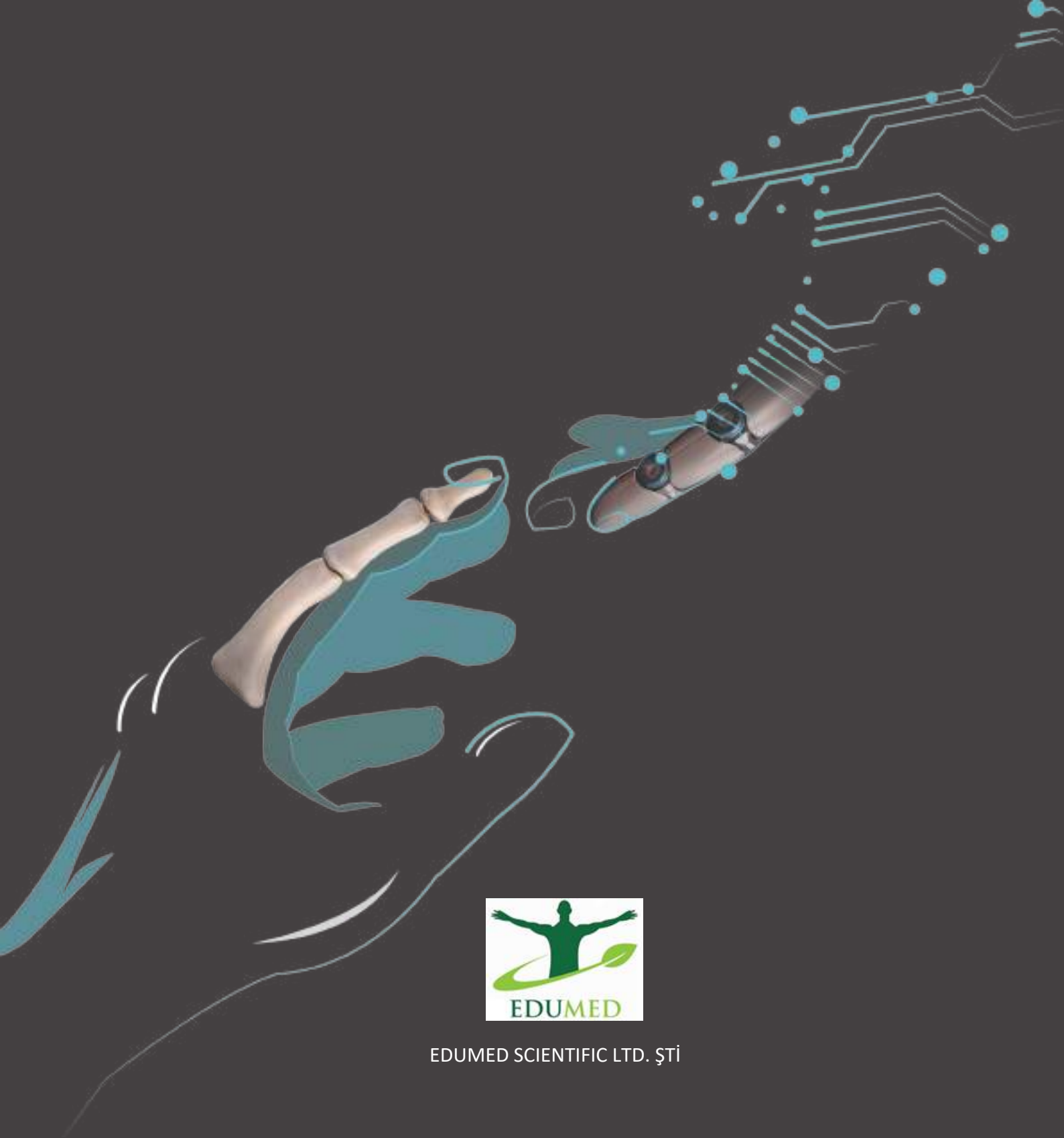


# EDUMED SCIENTIFIC

## Ü R Ü N K A T A L O Ğ U



EDUMED SCIENTIFIC LTD. ŞTİ



**Tıp Dünyası  
Simülasyona  
odaklandı.**

**Siz ?**

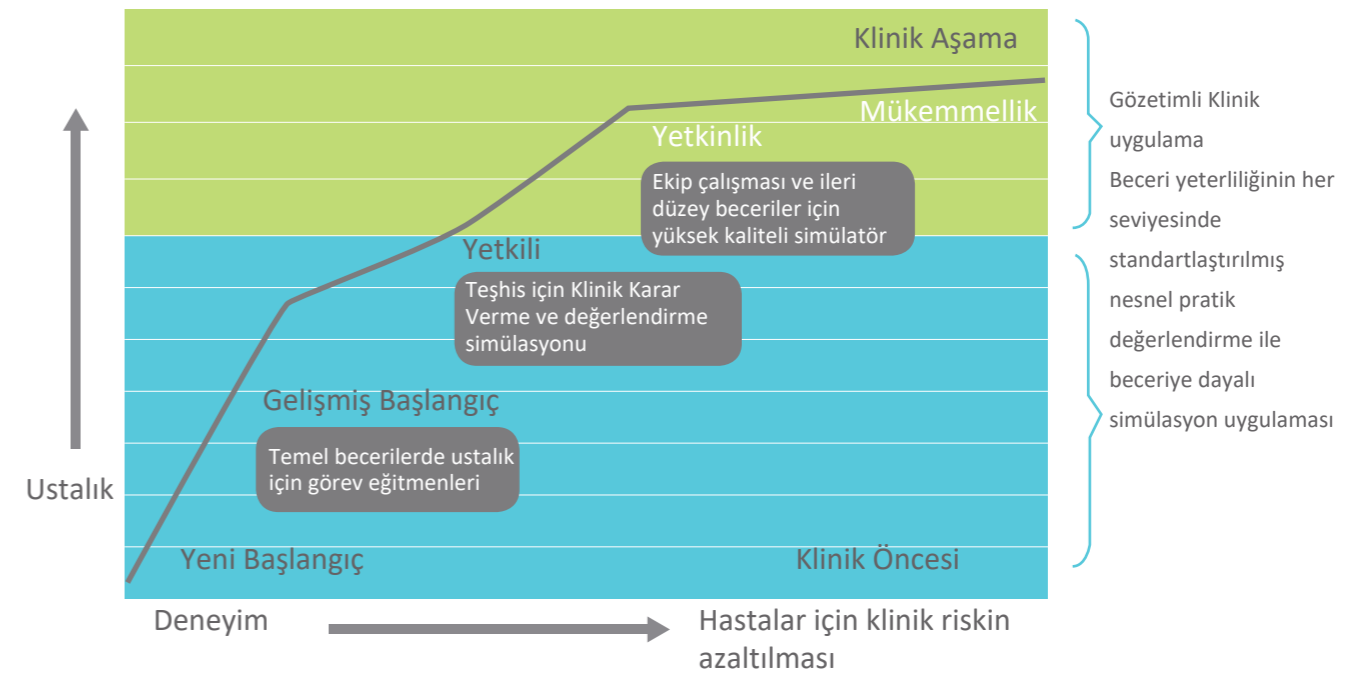


# MEDİKAL SİMÜLASYON

Tıp eğitimi simülasyonu, sağlık uzmanlarımızın ilk hastalarıyla daha iyi bir deneyim yaşamaları için güven ve bilgiye sahip olmaları için güvenli bir ortamda uygulama yapmalarına olanak tanır. Bu, parçası olmak için çok heyecan verici bir sektör. Çünkü biz doğrudan insanların daha az hata yapmasına ve hayat kurtarmasına yardımcı oluyoruz. Hiç kimse tecrübe sahibi olmadan ilk ameliyat olan ya da tedavi olan hasta olmak istemez.

Rol	Kazanım
Kursiyerlerin/öğrencilerin prelinik bir ortamda tıbbi beceriler kazanmalarına izin verir	Erken öğrenme aşamasında öğretmen süresini ve hizmet sunumu üzerindeki etkisini azaltır
Temel tıbbi becerilerin edinilme hızını büyük ölçüde hızlandırır	Klinik öncesi yetkinlik seviyelerini artırır
Normal ve anormal vakaları kullanarak gelişmiş teşhis ve karar verme becerilerini öğretir.	Daha gelişmiş durumlarda daha yüksek güven seviyelerini kazandırır
Eğitim yöntemlerini ve değerlendirme kriterlerini standartlaştırır	Eğitim standartlarını iyileştirir
.....	.....

## Nasıl etkiler?



# Biz kimiz?

Edumed Scientific Ltd. Şti ; Çin Halk Cumhuriyeti kuruluşu Tellyes Scientific Inc., şirketinin Türkiye temsilcisi olarak medikal simülasyon pazarına ürün sunmaktadır.

Tellyes Scientific Inc., Dünya'nın her yerindeki müşterilerine en iyi hizmeti ve çözümü sağlama yeteneği ile tıp eğitimi ve öğretim endüstrisinin dünya çapında lider tedarikçilerindedir.

Tellyes Scientific Inc. Çin halk Cumhuriyetinde ulusal ve uluslararası borsaya kote olabilecek denli büyüklükteki medikal simülasyon kuruluşudur.

Firmanın Merkezi Çin'in Tianjin şehrinde dir. 2001 yılında kurulmuştur. Şu anda 9.000 m2'yi aşan ofis ve simüle hastane alanı ve 22.000 m2'lik üretim tesisi ile 470'in üzerinde çalışana sahiptir. En profesyonel ekiplere sahip olan Tellyes, müşterilerinin gerek satış gerekse satış sonrası servis ihtiyaçlarına hızlı bir şekilde cevap verebilme kabiliyetine sahiptir.

Tellyes Scientific Inc.i rakiplerinden ayıran en önemli şey, Ar-Ge yeteneğidir. 470 çalışanın 160'tan fazlası Ar-Ge bilim insanı ve mühendisidir. Ağustos 2015 sonu itibarıyla Tellyes Scientific Inc. 749'u patent, 105'i yazılım telif hakkı, 72'si ticari marka olmak üzere 926 IP'ye sahiptir. Yıllar geçtikçe, Tellyes Scientific Inc. medikal model, maket ve simülatör için ulusal ve uluslar arası alanda mankenler ve simülatörler için desmi satın alma programının tercih edilen satıcısıdır.







Annual product training was held among Thailand customers and distributors



Army 2018 in Moscow, Russia



Task trainers and high-fidelity simulators exhibited on Tellyes booth in Arab Health

## Whom we partner with in the world



Thailand medical training centre



Delegation of Russian Academy of Natural Sciences Visited Tellyes Scientific 2019



MARS CBRN in Southeast Asia



TAME held a product training for end users from Boromarajonani Nursing College in Thailand



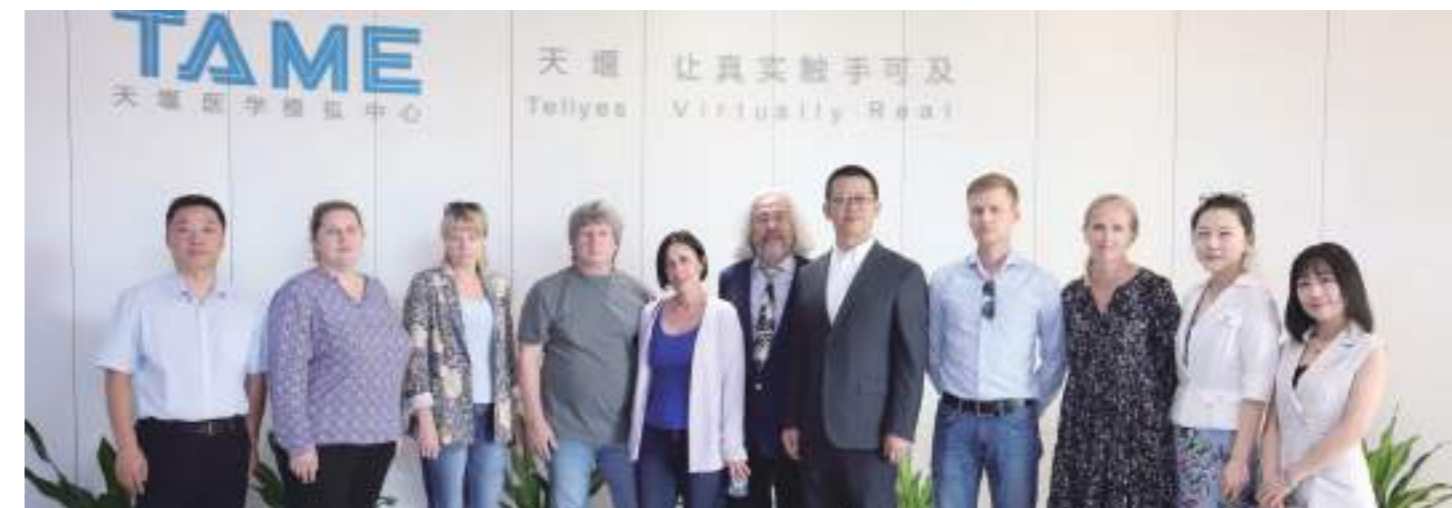
Tellyes exhibited in Dasil 2016



Training of MARS CBRN for Rector from University of Health Science and Director from CBRN Institute in Turkey 2022



ASPE tutors provided Train the Trainers courses for the end users of Tellyes




Delegation of Russian Academy of Natural Sciences Visited Tellyes Scientific 2019



 0312.4282864

 [edumed@edumed.com.tr](mailto:edumed@edumed.com.tr)

 Sancak Mh. Konrad Adenauer  
Cd. No31/B Çankaya /ANKARA

 Web ; [www.edumed.com.tr](http://www.edumed.com.tr)



# İÇERİK

○	Travma- ilk ve acil yardım	001
⚡	Klinik Bakım ve girişim	015
🧪	Klinik Uygulamalar	040
👶	Pediatry	097
👩	Jinekoloji	169
👶	Obstetrik	209
👶	Aile Planlaması	221
👶	KBB & Göz	235
👶	Rehabilita	249
👶	Ultraso	254
👶		257
👶		259
👶		270
👶		295

## ⚡ Trauma & First Aid

Combat Self-aid & Buddy-aid Manikin	002
Full-body Burn Assessment Manikin	005
Combat Maimed Half-Body Corpse Simulator	006
Advanced Trauma Modules	007
Trauma Modules	009
All Purpose Care & Trauma Manikin	010
Trauma Quick Kit	013

## ⚡ Emergency

Adult Water Recue Training System	016
Interactive Airway Management Simulator	019
Comprehensive Airway Management Model	022
Airway Management Trainer	023
CPR & Defibrillation Manikin	024
DefibReady	026
Interactive CPR Training & Assessment Simulator	029
Guardian Basic	031
Guardian Pro	033
Amputated and Trauma Bleeding Arm	036
Amputated and Trauma Bleeding Leg	037
Wearable Airway Management Module	038
Closed Fracture Fixation and Spinal Cord Injury Handling Model	039

## 🧪 Nursing

All-purpose Patient Care Simulator	041
All-purpose Patient Care Simulator (Basic)	045
Venus Nursing	047
Advanced Full-body Geriatric Nursing Manikin(Male)	052
Advanced Full-body Geriatric Nursing Manikin(Female)	054
Upper Stump Bandaging Simulator	056
Lower Stump Bandaging Simulator	057



Suction Trainer		058
Suction Training Manikin		059
Multi-purpose Gastric Lavage Trainer		060
Nasolacrimal Duct Obstruction Trainer		061
NG Tube & Oral Care Simulator		062
NG Tube & Tracheal Care Simulator		063
Blood Pressure Trainer Arm		064
Multi-purpose Injection Trainer		065
Venipuncture Pad		066
Strap-on Intramuscular Injection Simulator		067
Intradermal Injection Training Arm		068
IV Injection Training Hand		069
IV Training Arm		070
Advanced IV Training Arm		071
All-purpose IV Training Arm		072
Intramuscular Injection of Upper Arm Muscles		073
Arterial Puncture Arm		074
Advanced Arterial Puncture Arm		075
Venipuncture Training Arm with Circulation Vein		076
Arterial Puncture Training Arm with Circulation Artery		077
IV Training Hand Model with Alarm		078
IV Training Leg		079
Buttock Mate Intramuscular Injection Model		080
Buttock Injection Model (with Anatomical Structure)		081
Mate Injection Model (Buttock-wearing Type)		082
Transparent Male Catheterization Model		083
Transparent Female Catheterization Model		084
Advanced Male Catheterization Model		085
Advanced Female Catheterization Model		086
Catheterization Model		087
Advanced Wearable Male Catheterization Model		088
Advanced Wearable Female Catheterization Model		088
Enema Administration Model		089
Enema and Assisted Defecation Training Model		090
Advanced Wearable Artificial Defecation Training Model		091
Bedsore Cleansing and Dressing Model		092
Central Venous Catheterization Simulator		093
Diabetic Foot Trainer		094
Ostomy Care Simulator		095
Peritoneal Dialysis Model		096

COVID-19 Task Trainer		098
Simulated Bronchoscopy Model		100
Upper GI Endoscopy Training Model		101
Wearable Groin Surgical Training Suit		102
Wearable Thoracoabdominal Surgical Operation Suit		104
Wireless Auscultation Trainer & VenuScope		107
Wearable Bladder Puncture Model		110
Wearable Abdominal Puncture Model		111
Wearable Lumbar Puncture Model		112
Wearable Thoracentesis Model		113
Advanced Wearable Thoracentesis Model		114
Adult Tibial Puncture Leg (with Stand)		116
Adult Bone Marrow Aspiration Leg		117
Pneumothorax Percussion and Puncture Training Model		118
Pneumothorax Trainer		119
Pneumothorax & Chest Drain Model		120
Pneumothorax Simulator		121
Chest Drain & Needle Decompression Trainer		122
Thoracentesis Training and Demonstration Simulator		123
Thoracostomy Catheter Removal Trainer		124
Adult Thoracentesis Simulator		125
Liver Abscess Puncture & Thoracentesis Training Simulator		126
Abdominocentesis & Femoral Vein Puncture Simulator		127
Abdominocentesis Training Simulator		128
Adult Lumbar Puncture Simulator		129
Lumbar Puncture Simulator		130
Adult Bone Marrow Aspiration Model		131
Pericardiocentesis Simulator		132
Pericardial Puncture and Endocardial Injection Simulator		133
Multi-purpose Clinical Puncture Simulator		134
Tracheostomy Model		136
Thyroid Gland Examination Simulator		137
Suture Practice Arm		138
Suture Practice Leg		139
Advanced Suture Pad		140
Suture Tutor		141
Local Anaesthesia for Minor Surgery Product		142
Local Anesthesia Skin Pad		143
Local Anesthesia Skin Roll		143
Minor Skin Procedures Kit		144

Surgical Multi-skill Training Simulator	145
Preoperatively Aseptic Training Model	146
Aseptic Surgery and Surgical Incision Design Training Model	147
Electronic Surgical Knot Tying Model	148
Knot Tying Trainer	149
Knot Tying Trainer (the Emulational Type)	150
Angiodiastasis Ligation Model	151
VesselBox Ligation Trainer	152
Deep Bleeding Knot Tying Trainer	153
Abdominal Opening and Closure Trainer	154
Great Saphenous Vein Catheterization Trainer	155
Knee for Aspiration	156
Knee for Joint Injection	157
Shoulder for Joint Injection	158
Elbow for Joint Injection	159
Ankle Injection Model	160
Wrist Joint Injection Model	161
Knee Arthroscopy Model	161
Wrist Arthroscopy Model	162
Shoulder Arthroscopy Model	163
Intestinal Anastomosis Model	163
Fingernail Removal Trainer	164
Tendon Repair Model	165
Lipoma Resection Model	165
Rectal Digital Examination Trainer	166
Perianal Abscess Trainer	167
Advanced Rectal Touch Examination Model	168

Pediatric Transparent Nasal Feeding and Gastric Lavage Model	185
Infant Transparent Lavage Model	186
Venipuncture Training Baby Head	187
Venipuncture Training Baby Head with Rotatable Valves	188
Infant IV Arm	189
Infant Scalp Puncture Model	190
Neonate Umbi Care Manikin	191
Evaluation and Care of Neonatal Manikin	192
Preemie Baby	193
Baby Stap	194
Pediatric Lumbar Puncture Simulator	195
Infant Intraosseous Infusion Trainer	196
Child Femoral Access Leg	197
Infant Nursing Manikin	198
Advanced Infant Nursing Manikin	199
Down Syndrome Baby Care Manikin	200
Pediatric Care Manikin with Down Syndrome	201
Neonatal Peripheral and Central Venipuncture Model	202
Infant Full Body Venipuncture Model	203
Child IV Training Arm	204
Infant Venipuncture Leg Model	204
Advanced Infant Arteriopuncture Training Arm	205
Advanced Pediatric Venipuncture Hand Model	206
Pediatric Urethral Catheterization	207
Child Enema Training Simulator	208



## Pediatric

Guardian Baby	170
All-purpose Pediatric Care Simulator	172
All-purpose Pediatric Care Simulator (Basic)	175
Intelligent Baby for Touching Training	176
Intelligent Baby (Boy)	178
Intelligent Baby (Girl)	179
Neonate Care Manikin (Boy)	180
Neonate Care Manikin (Girl)	181
Combined Neonate Care Manikin	182
Neonate Airway Management Trainer	183
Infant Tracheostomy Care Manikin	184



## Gynaecology

Advanced Gynecologic Simulator Plus	210
Obstetric Examination Trainer Torso	212
Advanced Gynecologic Simulator	214
Advanced Gynecological Examination Simulator	216
Posterior Vaginal Fornix Puncture Model	217
Excision of Benign Tumor of Breast Simulator	218
Wearable Breast Self Examination Model	219
Breast Inspection and Palpation Model	220
Episiotomy and Suturing Training Simulator	220



## Obstetric

Wearable C-Section Simulator		222
Episiotomy Suturing Trainers		224
Cervical Dilatation/Effacement Model		225
Fundus Assessment Skills Trainer		226
Advanced Fundus Assessment Skills Trainer		227
Obstetric Manikin		228
Advanced Childbirth Simulator		229
Advanced Childbirth Skill Training Model		230
Maternity Model		231
Difficult Labor Demonstration Model		232
Delivery Process Demonstration Simulator		232
Pelvis with Fetal Heads Model		233
Placenta Model		233
Pregnancy Stages-8 Models		234



## Family Planning

Transparent D&C Simulator (Anteversion)		236
Transparent D&C Simulator (Horizon)		237
Transparent D&C Simulator (Retroversion)		238
Dilatation and Curettage Model		239
IUD Insertion Model I		240
IUD Insertion Model II		241
IUD Insertion Model III		242
Menstrual Cycle Demonstration Model		243
Vasoligation Trainer		244
Male Condom Model		245
Contraception Guidance Model		246
Female Contraception Trainer		246
Female Contraception Model		247
Testis Examination Simulator		247
Implant Contraceptive Training Model		248



## ENT & Ophthalmology

Intra-aural Examination Trainer		250
Epistaxis Simulator		251
Maxillary Sinus Puncture Trainer		252
Eye Retinopathy Trainer		253



## Rehabilitation

Wearable Hemiplegia Nursing Simulation Suit		255
Aged Simulation Suit		256



## Anatomy

Human Circulatory System Model		258
--------------------------------	--	-----



## TCM

Pulse Training Simulator Plus-Server		260
Pulse Training Simulator Plus-Client		260
HerbVR		262
Acupuncture Training Head		263
Acupuncture Training Arm		264
Acupuncture Training Buttock		265
Acupuncture Training Model		266
Needling Techniques Trainer		267
TCM Multi-Skill Task Trainer		268
SP Moulage for TCM		269



## Ultrasound

FAST Ultrasound Training Phantom		271
Ultrasound Pericardial Puncture Model		273
Central Venous Catheterization Ultrasound Training Model		274
Breast Ultrasound Examination Model		276
Wearable Breast Ultrasound Examination Model		277
Abdominal Ultrasound Phantom		278
Foreign Body Ultrasound Training Model		280
Amniocentesis Ultrasound Trainer		281
Abscess Drainage Ultrasound Trainer		282
Femoral Arteriovenous Puncture & Abdominocentesis Ultrasound Training Model		283
Vascular Access Ultrasound Training Model		284
Pneumothorax & Thoracic Closed Drainage Ultrasound Training Model		285
Thoracentesis Ultrasound Training Model		287
Adult Lumbar Puncture Ultrasound Training Model		290
PICC Ultrasound Training Model		291
Pediatric Lumbar Puncture Ultrasound Training Model		292
Knee Arthrocentesis Ultrasound Training Model		293



## Screen-based Training

LungsReady Breathing Simulator		296
Virtual Ventilator Training System		298
LaparoCart Simulator		301
Clinical Decision Making System		304
Image Diagnostic Thinking Training System		306

# SIHHiYE SİMÜLASYON DONATIMI

SAVAŞ - SALDIRI - TERÖR - AFETE KARŞI  
KOYMA SİMÜLASYON DONATIMI

# MARS

(ARTIRILMIŞ GERÇEKLIK) SIHHİYE SİMÜLASYON SİSTEMİ



# MARS

(ARTIRILMIŞ GERÇEKLIK) SIHHIYE SİMÜLASYON SİTEMİ

SAVAŞ VE HAREKAT  
ORTAMLARINDA PERSONELİN  
SIHHIYE SİMÜLASYON  
EĞİTİM SİSTEMİ

- GÜÇLÜ BİR MİLLETİN ARKASINDA;  
DAİMA GÜÇLÜ BİR SİLAHLI KUVVET BULUNUR.
- SIHHIYE SİMÜLASYON EĞİTİMİ;  
SİLAHLI KUVVETLER EĞİTİMİNİN VAZGEÇİLMEZ BİR  
GEREĞİDİR.
- SIHHIYE SİMÜLASYON EĞİTİMİ GERÇEĞE YAKIN  
ORTAMLARDA, GERÇEĞİ ÇAĞRIŞTIRAN  
EKİPMANLA YAPILIR.



# MARS

## (ARTIRILMIŞ GERÇEKLİK) SIHHİYE SİMÜLASYON SİSTEMİ

ATEŞLİ SİLAH YARALANMALARI, YANIKLAR DAHİL OLMAK ÜZERE EKSİKSİZ DEĞİŞTİRİLEBİLİR TRAVMA MODÜLLERİ SETİ,

PATLAMALAR VE DELİCİ YARALANMA SİMÜLASYONLARI

AÇIK KIRIK BACAK SİMÜLASYON İLE ARTERİYEL KANAMAYI VE TURNİKE UYGULAMASINI SİMÜLE EDER

DERİN CİLT YARALANMASI İLE İLGİLİ 6 EK TRAVMA MODÜLÜ

BAŞ, KOLLAR, GÖVDE VE BACAK BÖLGELERİ KANAMA MODÜLLERİNE BAĞLANMAK İÇİN EK MODÜLLER

SOLUK YOLU TIKANIKLIĞININ SİMÜLASYONUNU SAĞLAYAN GERÇEKÇİ SOLUK YOLU ANATOMİK YAPISI

ENDOTRAKEAL ENTÜBASYON, TRAKEOTOMİ EĞİTİMİNİ DESTEKLEYEN SPONTAN SOLUNUM VE KRİKOTİROTOMİ SİMÜLASYONLARI

PNÖMOTORAKS VE HEMOTORAKS SİMÜLASYONLARI

KBRN VAKA SİMÜLASYONLARI

BİLGİSAYAR ÜZERİNDEN VAKA SENARYOLARI







- 18 Needle decompression
- 19 SpO2 probe and heart rate detection
- 21 Realistic male genitals catheterization available
- 21 Ruggedized for outdoors operation (waterproof, dustproof, shockproof)
- 22 Radiation Injury - foaming at mouth, ear bleeding, etc.

- 13 Blood pressure measurement
- 14 Pupillary reaction
- 15 Bandaging for axillary injury
- 16 IV
- 17 Sternal IO



# MARS

(ARTIRILMIŞ GERÇEKLIK) SIHHIYE SIMÜLASYON SİT

## CESUR - Sıhhiye Simülasyon -Temel Gerçeklik Simülatörü

Ürün Kodu: EDM 9110

### GENEL

Erkek tam vücut mankeni, hemostaz, bandajlama, sabitleme, canlandırma ve havalandırma dahil yakın çevre tim ekiplerince yardımı eğitimi ve değerlendirmesi için tasarlanmıştır. Ürün birden fazla mulajla birlikte gelir ve yerinde kurtarma ve tedavi için kullanışlı, uygun maliyetli ve harika bir çözüm sunmaktadır.



### BECERİ KAZANIMLARI

- Anatomik gerçeklik
- Çok konumlu kanama durduma simülasyonları  
Kırıklarda olay yeri girişimsel uygulamalar ve hasta transferi
- İğne ve cerrahi krikotrotomi
- Trakeotomi
- CPR /TYD becerileri
- Hava yolu(airway) yönetimi
- Orta klaviküler hatta 2./3. İnterkostal aralıkta iğne dekompresyonu



### ÖZELLİK

- 1) Anatomi olarak; Doğru anatomik yapılar ve gerçekçi kemik işaretleri , Hareketli boyun, iki taraflı omuz eklemleri, dirsek eklemleri, bilek eklemleri, kalça eklemi, diz eklemleri, ayak bileği eklemleri vb. sayesinde çoklu vücut pozisyonları mevcuttur.
- 2) Gerçeğe yakın görünümlü ağız, burun boşluğu, farenks, trakea, sol ve sağ ana bronş ile eksiksiz ve gerçekçi hava yolu anatomisi; dişler, dil, palatoglossal kemer, palatofaringeal kemer, bademcik, glottis, epiglotis , uvula, vb.
- 3) Özefageal entubasyon ile mide şişkinliği simülasyonu
- 4) Alt uzuvlar gövdeye sadece elle hızlı, kolay ve rahat bir şekilde bağlanabilir ve çıkarılabilir.



- 1) 1) Yüz kanaması, kafa derisi kopması, boyun kanaması, omuz kanaması, önkol kanaması, avuç içi kanaması, bacak batın travması, baldır kanaması, dorsalis pedis kanaması, uyluk amputasyonu kanaması vb. dahil olmak üzere uzaktan kumandalı çoklu kanama bölgeleri ve yaralanma faktörleri simülasyonu.
- 2) Humeral shaft kırıkları, distal ulna ve radius kırıkları, femur kırıkları, tibia ve fibula kırıkları gibi uzun kemik kırıkları simülasyonu. Açık ve kapalı kırık girişimsel işlemler simülasyonları r.
- 3) Tüm vücut kısımlarında mevcut olan çeşitli bandaj uygulamaları.
- 4) Spiral yaralanmalarda, immobilizasyon için boyunluk kullanılabilir. Boyun 30 derecelik bir açı üzerinde hareket ettiğinde alarmlar duyulabilir.
- 5) Krikoid kırık ve tiroid kırık palpe edilerek iğne ve cerrahi krikotiroidotomi, trakeotomi yapılabilir. Tüm sarf malzemeleri, tekrarlanan kullanım için değiştirilebilir.
- 6) Tansiyon pnömotoraks simüle edilebilir. Başarılı bir delme, bir kırılma hissi ile birlikte gelir ve gerçek hava bir şırınga ile çekilebilir. Delinmiş cilt, hava sızıntısı olmadan en az 400 deliğe dayanabilir.



- 1) Kanayan bölgenin proksimal ucunda arteriyel nabız hissedilebilir ve basınç kullanılarak hemostaz sağlanabilir. Basınç ayarlanan aralığa ulaştığında kanama otomatik olarak durabilmektedir.
- 2) Patlamaların neden olduğu kesilmiş uzuvlardaki taze yara kanamasını simüle edebilmektedir. Bacaklarda travmatik stres reaksiyonu görülebilir ve bilinçsiz hareket oluşumuna müsaittir. Turnike uygulanarak Hemostaz sağlanabilmektedir.
- 3) Patlama ve ateşli silah yaralanmasının neden olduğu bağlantı alanı kanaması, karın içi patlama yarası
- 4) Ayarlanabilir hız ile arteriyel nabız kanamasının gerçekçi görüntüsü ve nabız hızı 40 atım/dk ile 120 atım/dk arasında ayarlanabilmektedir.
- 5) 1,5L maksimum kanama hacmine sahip iç kanama kontrol sistemi bulunmaktadır.
- 6) Hava yolunu açmak için mankenle birlikte baş eğme/çene kaldırma ve çene itme simülasyonuna uygundur. u
- 7) Orofaringeal ve nazofaringeal hava yolu gerçeğe yakın görünmlü pasajları ile ET entübasyon , Laringeal maske, kombi tüp, çift lümenli endobronşiyal tüp, laringoskop vb. simülatif kullanımlarına uygundur.
- 8) ALS hava yolu yönetimi için tambu ile ventilasyonu, LMA yerleştirilmesi ve çeşitli entübasyon, Manken ile ağızdan ağza, basit solunum cihazından ağza, ventilatörden ağza ve diğer ventilasyon yöntemleri uygulanabilmektedir. Başarılı ventilasyon ile göğüs hareketi görülebilmektedir.
- 9) CPR gerçekleştirirken 5 cm'den fazla göğüs kompresyon derinliğinde geri bildirim alınabilmektedir.

#### PAKET ÖZELLİKLERİ

PAKETLİ VE PAKETSİZ AĞIRLIK VE ÖLÇÜLER (cm)	54kg	34 G	125 D	68 Y
	33.2kg	35 G	125 D	68 Y

#### DONATIM İÇERİĞİ

Sihhiye Simülasyon temel Gerçeklik Simülatörü	1
Kamufraj Giysisi	1
Asker Postalı Şapka, Kemer gibi giysi aksesuarları	1
Vücuda takılabilir batın travma modülü	1
Vücuda takılabilir açık batın travması modülü	1
Amputasyon bacağı (Sol)	1
Göğüs 1 ad ve boyun deri seti 5 ad set	1
Turnike	1
Krikoid Kıkırdakları	10
Balon ampul	2
Pnomotoraks modülü (Sol)	1
Pnomotoraks modülü (S)	1
Sıvı takviye pompası	1
Kanama bağlantı tüpleri	1
Drenaj tüpleri	1
Şarj Cihazı	1
Kontrol kumandası	1
Kullanım Kılavuzu	1

## Tüm Vücut Yanık / Değerlendirme Mankeni

Ürün Kodu: EDM9040

#### GENEL

Tam vücut erkek manken, vaka sabitlenmesi taşıma ve bandajlama dahil olmak üzere yanık eğitimi ve değerlendirmesi için tasarlanmıştır. Ürün, gerçekçi yanık yarası mülaajları ile birlikte sunulmaktadır. Tedavi için kullanışlı, uygun maliyetli ve olay lerinde yerinde kurtarma ve tedavi için mükemmel çözüm mankeni



#### BECERİ KAZANIMLARI

- Anatomik gerçeklik
- Yanıklar için kurtarma ve tedavi
- Yanma derecesinin belletilmesi
- Yanık yarası değerlendirme

#### ÖZELLİK

- Yanık alanını değerlendirmek için gerçekçi görünümlü anatomik kemik yapısı
- Gelişmiş dayanıklılık için sağlam malzeme bağlantılarına sahip tam vücut biyonik kemik yapısı
- Boyun, iki taraflı omuz eklemleri, dirsek eklemleri, bilek eklemleri, kalça eklemi ve diz eklemleri gibi vücut eklemleri hareketlidir.
- Model, I derece, yüzeysel II derece, derin II derece ve III derece dahil olmak üzere farklı yanık derecelerini gösteren gerçekçi yanık yaralarını simüle etmektedir. .
- Hemen hemen tüm vücut kısımlarında kullanılabilen çeşitli bandajlama uygulamaları
- Gerçeğe yakın cilt malzemesi gerçek ve yumuşak hissettirir

## Savaş/terör Patlaması Yarım Vücut Ceset Simülatörü

Ürün Kodu :EDM1577

### GENEL

Patlamanın neden olduğu alt uzuvları eksilmiş ve bağırsakları dağılmış bir erkek üst vücut cesedinin gerçekçi görünümlü simülasyonu



### BECERİ KAZANIMLARI

- Ağır patlayıcı yaralanmaların tanınması ve anlaşılması
- Bu tür vakalarla karşılaşılmasında fiziksel uyumluluk ve psikolojik dayanıklılık
- Bu tür vakalarda Karar verme becerileri

### ÖZELLİKLER

- Real representation of a male upper body after explosion with realistic feel and touch.
- Simulation of war's cruelty and cause huge impact on trainees' senses and psychology to improve their adaptability, ability to deal with emergency and make options.
- Detached eyeball and scattered intestines.
- Display and simulation of whole body explosive injuries.
- High amputation wounds with muscle combination bone fracture.
- The product includes an upper body corpse, amputated lower limbs, internal organs, etc.

## TRAVMA MODÜLLERİ SETİ

ÜRÜN KODU: EDM4011

### GENEL

Travma Modül seti herhangi bir kurtarma ve travma Mankeni ile kullanılabilir, patlama ve kimyasal felaketlerden kaynaklanan yaraları simüle eder. Simüle edilmiş travma yaraları, sağlık görevlilerinin ve askeri sıhhiye timlerinin, savaşta yaralanan kurbanları tedavi eden veya afetlerde görevli kurtarma elemanları gibi kimselerin eğitimine yardımcı olacaktır.



### BECERİ KAZANIMLARI

Travma eğitim alanların yaraları hızlı bir şekilde tanımlamasını, teşhis etmesini ve pansuman yapmasını kolaylaştırmak.

### ÖZELLİKLER

- Kursiyerlere gerçekçi uygulama sağlamak için gerekli olan görünüm ve performansın gerçekçiliği
- Travma simülasyonunun gerçekliğini artırmak için çeşitli kanamayan / kanayan yaralar bağlanır.
- Travma Modülleri
  1. Kanama Durdurma üst bacak modülü
  2. Kanama Durdurma üst kol modülü
  3. Travma kafası
  4. Travma ve entübasyon başlığı
  5. Travma ayağı
  6. Açık batın yaralanması modülü
  7. Varisli alt ekstremitte modülü

8. Karın kası pedi (büyük, yaralı)
9. Karın kası pedi (küçük, yaralı)
10. Uyluk kası pedi (bıçak yaralanması ile)
11. Uyluk kası pedi (süturyaralanması) Sıradışı Bıçak yaralanması modülü
12. Yatak yarası (dekübitüs) bakım modülü
13. Postmastektomi ve torakotomi insizyon modülü
14. Sağ uyluk için metal yabancı cisim delme modülü
15. Sol femur için açık kırık modülü
16. BCG aşılmasından sonra normal cilt modülü
17. BCG aşılmasından sonra anormal cilt modülü
18. Önkol yanık modülü
19. Emniyet kemeri yaralanması ve köprücük kemiğinin açık kırık modülü
20. Açık pnömotoraks ve yanık ile göğüs travması modülü
21. Yüz yanığı, alın yırtığı ve çene kemiği kırığı
22. Yaralı sağ el modülü
23. Abdominal insizyon ve drenaj modülü
24. Kolostomi karın modülü
25. Oskültasyon fonksiyonlu karın duvarı modülü
26. Diz altı amputasyon modülü
27. Diyabetik ayak modülü
28. Humerus açık kırık modülü

### PAKET ÖZELLİĞİ

AĞIRLIK (kg) & ÖLÇÜLER (cm)	24kg	73.5 G	42.5D	46 Y
-----------------------------	------	--------	-------	------

## TRAVMA MODÜLLERİ SETİ

ÜRÜN KODU ; EDM 4672

### GENEL

Herhangi bir Kurtarma ve Travma Mankeni ile birlikte kullanılabilir, Çatışmalarda ve saldırılarda ortaya çıkan patlamalar ve kimyasal felaketlerde oluşabilecek yaraları temsil etmektedir. Simülatif travma yaraları, sağlık görevlilerinin ve askeri sihiye personelinin afetlerde ve savaşta ve çatışmalarda yaralanan kurbanları tedavi eden herkesin eğitimine yardımcı olacak şekilde travmatik yaraların tanınmasına ve belletilmesinde yardımcı olabilecek niteliktedir.

### ÖĞRETİM BECERİLERİ

- Öğrencilerin/Kursiyerlerin/eğitim görenlerin yaraları hızlı bir şekilde tanımlamasını, teşhis etmesini ve pansuman ve diğer müdahaleleri yapmasını kolaylaştırmaktadır.

### ÖZELLİKLER

- Anatomik ve tarvmatolojik ve patolojik açıdan gerçekçi görünüme dayalı eğitim donatımıdır.
- Simülatif görümlü çeşitli Kanama / kanamalarda Simüle kan akışı ortamında travmatik girişimlerin müdahale becerine uygunluk.
- Set içinde bulunan simüle edilmiş yara modülleri,
  - 1) I, II, III derece Yanık yüz
  - 2) Alın bölgesinde açık derin yara
  - 3) Çenedeki açık derin yara
  - 4) Açılan klavikula kırığı ve göğüste kontüzyon yarası
  - 5) Barsak eviseresyonlu açık batın yaralanması
  - 6) Sağ üst kol (humerus) açık kırığı
  - 7) Sağ el açık kırığı (parankimal laserasyon dahil)
  - 8) Sağ avuç içinde mermi girişi
  - 9) Sağ uyluk kemiği (femur) açık kırığı
  - 10) Sol uyluk kemiği (Femur) kompleks femur kırığı
  - 11) Sağ uyluk kemiğinde metal batma yarası
  - 12) Sağ tibia açık kırığı
  - 13) Kesici travma ile sağ ayağın açık kırığı
  - 14) Sol kolda yanıklar: I, II, III derece
  - 15) Sol uyluk kemiğinde kesik travma
  - 16) Sağ kaval kemiği kapalı kırığı ve sol ayak bileği ve ayakta ezik yaraları



### PAKET ÖZELLİĞİ

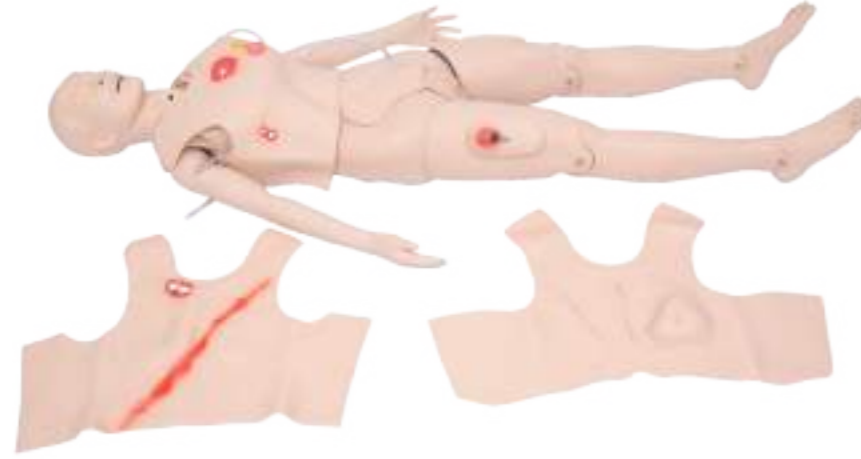
Ağırlık (Kg) & Ölçü (cm)	6kg	46G	19D	37Y
--------------------------	-----	-----	-----	-----

## TRAVMA MANKENİ VE MODÜL SETİ

Ürün Kodu : TYE9011

### GENEL

Temel bakımın yanı sıra çeşitli acil durumlarda travma bakımı eğitimi için geniş bir modül yelpazesine sahip yetişkin hasta mankeni.



### BECERİ KAZANIMLARI

- Trakeal entübasyon
- Yüz temizliği ve diş bakımı
- Lavaj/besleme için NG tüpü
- Trakeotomi sonrası bakım
- Oral, nazal ve trakeal tüp aspirasyonu
- Sütür , kanama durdurma ve pansuman
- NIBP/ kan basıncı ölçüm simülasyonu
- Damar içi (İV)ve kas içi (İM) enjeksiyon
- Üriner Kateterizasyon ve lavman

### ÖZELLİKLER (anatomik )

- Değiştirilebilir üç kafa ile tüm vücut
- Manuel olarak oluşturulan karotis nabzına ve genişlemiş ve normal göz bebeklerine sahip standart entübasyon başlığı
- Kulağı kopmuş travma entübasyon kafası, göz, dudak, boyun ve kafa derisinde laserasyonlar, anizokori, burun kanaması, yanak kazığı, kırık dişler, morarmış yüz/kafa
- Kırık kafatası, burun, çene kemiği ve servikal vertebra, tek taraflı midriyazis, hemotimpanum, sapmış trakea ile genel travma başı
- Çeşitli travma modülleri

### ANA ÖZELLİKLER

Ampute/travma bacak ve ampute/travma kol, arteriyel basınç altında kanamayı temsil etmek için simüle kanla infüze edilebilir  
İğne damara girerken bir "patlama" hissedilir ve iğnenin doğru yerleştirildiğini doğrulayan gerçekçi bir kan geri dönüşü olur  
Değiştirilebilir cilt ve damarlar  
Değiştirilebilir gerçekçi cinsel organlar, tekrarlanan kullanımlara dayanır

### PAKETLEME ÖZELLİĞİ

Paket Ağırlığı (kg) & Ölçüler cm)	31.1kg	102.5 G	54 D	48 Y
	12.6kg	58 G	48 D	32 Y

### DONATIM İÇERİĞİ

Tam Boy bakım ve Travma simülasyon mankeni	1
Travmatik baş	1
Travmatik entübasyon kafası	1
Hava verme puarı	1
Kateter 16 Fr (30ml)	1
Rektal tüp	1
Giysi	1
Abdominal insizyon ve sütür modülü	1
Abdominal insizyon ve drenaj modülü	1
Keskin alet yaralanması olan batın	1
Kolostomi batın modülü	1
Yatak yarası kalça modülü	1
Diz altı ampüte bacak modülü	1
Bacak ve operasyonel insizyon later femur modülü	1
Travmatik süpürasyonlu lateral femur ve bacak modülü	1
Lateral femurda keskin alet yaralanması olan bacak modülü	1
Varisli ve ülserli alt ekstremite modülü	1
Diabetik ayak modülü	1
Ampüte uyluk modülü	1
Travmatik uyluk modülü	1
Ampüte kol modülü	1
Travmatik kol modülü	1
Simüle kan sıvısı rezervuarı	2
Travmatik ayak modülü	1
Açık batın travması modülü	1
Postmastektomi ve torakotomi insizyon modülü	1
Sağ uyluk için metal yabancı cisim delinme modülü	1
Sol femur için açık kırık modülü	1
BCG aşısı netbeli normal cilt modülü	1
BCG aşılama sonrası anormal cilt modülü	1
Önkol Yanık modülü	1
Humerus açık kırık Modülü	1
Emniyet kemeri yaralanması ve köprücük kemiğinin açık kırıkmodülü	1
Açık pnömotoraks ve yanık ile göğüs travması modülü	1
Yüz yanığı, alın laserasyonu ve mandibula kırık modülü	1
Açık laserasyonlu sağ el modülü	1

Kumanda kontrol kutusu		1
Stetestop	BPSim module	1
Tansiyon ölçer		1
Ses Kontrol kutusu		1
Kablo	AUDSim module	1
5V3A Güç kaynağı		1
Oskültasyon özellikli abdominal yapı		1
Kullanım Kılavuzu		1

**İSTENİLEN MODÜLLER OPSİYONEL YEDEK OLARAK SUNULABİLMEKTEDİR.**

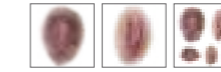
## HIZLI TRAVMA KİTİ

ÜRÜN KODU: EDM 0371

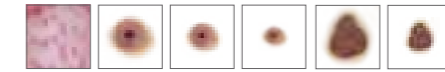
### GENEL

Bu setteki makyaj, baş, yüz, göğüs, karın, boyun, uzuvlar ve gövde dahil olmak üzere her türlü geçici travma modülünü içerir. Modüllerle gerçekçi travma simülasyon efektleri yaratılmakta, değerlendirme ve eğitim için ideal bir düzenlemedir.

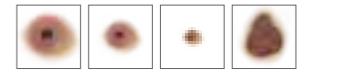
#### Patlayıcı Yara Modülleri



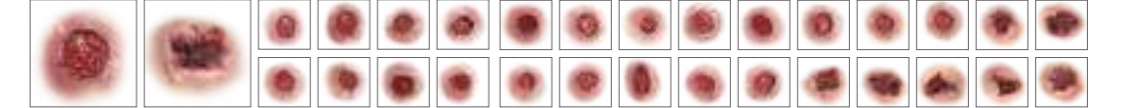
#### Biolojik Silah Yara Modülleri



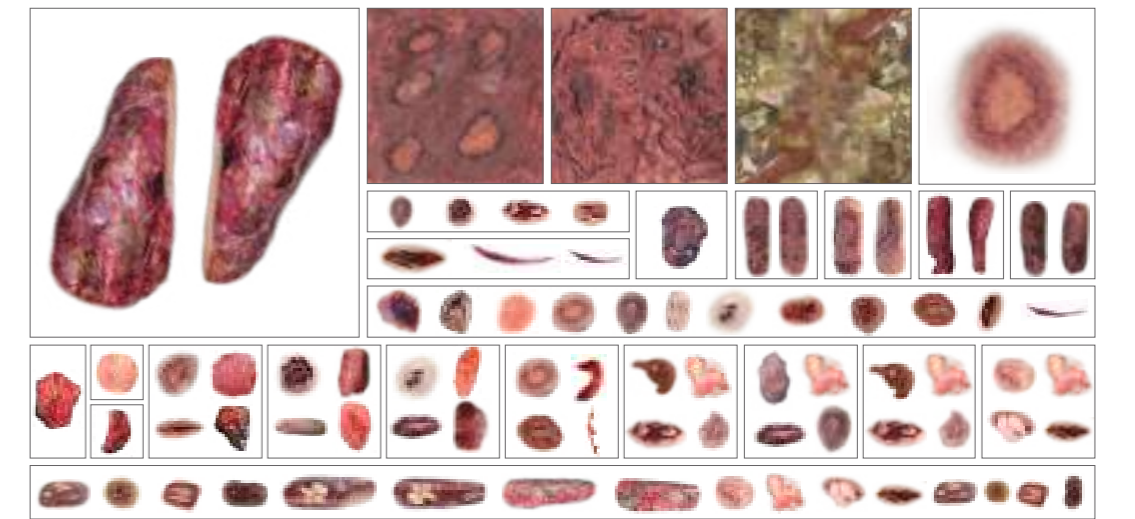
#### Zehirlenme Yara Modülleri



#### Ateşli Silah Yara Modülleri



#### Bombalama Yara Modülleri



### BECERİ KAZANIMLARI

- Muhtelif yaralanma simülasyon eğitimler
- Travma çeşitlerini tanıma
- Travmatik yaralarda müdahale ve pansuman

### Features

- Patlayıcı Yaralanma, Bıçak Yaralanması, İyonize Radyasyon, Soğuk Yarası, Zehir, Ezilme Yarası, Ateşli Silah Vuruşu, Yanık, Biyolojik Silah, Çürükler, Penetran Yaralanma, teğetsel yara, Tüp Yarası, Aşınma, Çürüme, Yırtılma, Kırılma vb. ., hafif, orta, şiddetli ve kritik dahil
- 200'den fazla Kendi Kendine Yardım ve Arkadaş Yardımı ile simülatif yaralanma modülü
- Ek seçenekler arasında kan kremi, eski kan, taze kan, kirli toz, kara barut, hasar gölge makyajı, alkollü yağlı boya, fırça, sünger, vazelin, deterjan, ıslak mendil vb.
- Basit ve hızlı işlem, ancak gerçekçi efektlerden oluşan simülatif yaralanma ekipmanları



### PAKET ÖZELLİKLERİ

Paket ağırlığı (kg) & Ölçüler (cm)		10kg		39G		26.5 D		54.5Y
------------------------------------	--	------	--	-----	--	--------	--	-------

### DONATIM İÇERİĞİ

HIZLI TRAVMA KİTİ		1
KULLANIM KILVUZU		1

# İLK VE ACİL YARDIM EĞİTİM DONATIMI



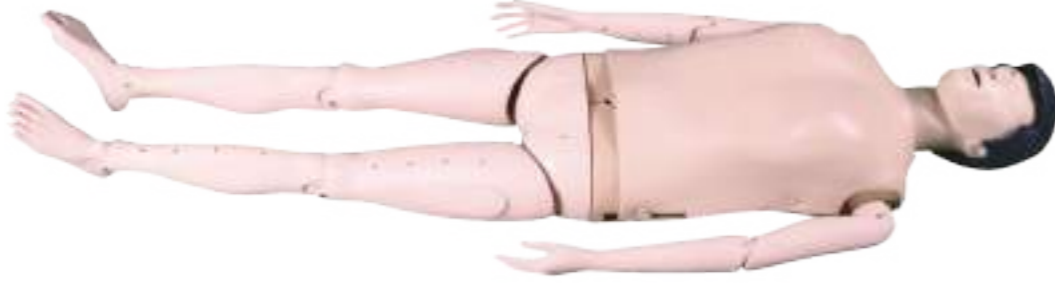
## Yetişkin Suda Kurtarma eğitim Manekeni



Product No.: EDM9035

### GENEL

Yetişkin Suda Kurtarma Eğitim Sistemi, gerçekçi ağırlıkta erkek tam vücut mankeni ve eğitim ve değerlendirme için bir kontrol tableti PC ile birlikte set olarak sunulmaktadır. Açık denizlerde, akarsularda, göllerde veya diğer iç su yollarında arama kurtarma çalışmaları için ideal bir uygulama mankenidir.



### EĞİTİM BECERİLERİ

- Suda arama - Kurtarma
- Soluk verme
- CPR Uygulama
- Karın basıncı/Heimlich manevra simülasyonu



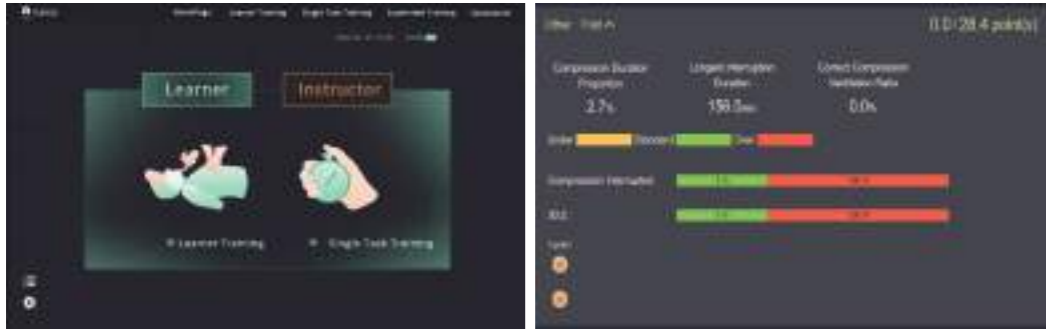
### Features

- Donanım: IP68 su geçirmezlik belgesine sahip, gerçekçi ve dayanıklı, gerçeğe yakın his ve dokunuşa sahip tam vücut erkek kablosuz manken.
- 1) Batan durumu ve yüzer durumu göstermek için mankenin kablosuz uzaktan kumandası bulunmaktadır.
- 2) Manken, batma konumunu gösterebilen bir şamandıra ile birlikte sunulmaktadır.
- 3) Boyun eklemi, omuz eklemi, dirsek eklemi, bilek eklemi, kalça eklemi, diz eklemi ve ayak bileği eklemi gibi mafsallı eklemler nedeniyle manken çeşitli anatomik pozisyonlara müsaittir.
- 4) Ağızdan ağza veya BVM (Ambu) ventilasyonu gibi çoklu ventilasyon yöntemleri mevcuttur. Başarılı operasyonla göğüs hareketi görülebilir. Yapay havalandırma tidal hacmi tespit edilebilmektedir.
- 5) Hava yolunu açmak için mankenle birlikte baş eğme/çene kaldırma ve çene itme kullanılabilir. Hava yolu açıldıktan sonra tespit edilebilmektedir.
- 6) Manken üzerindeki meme uçları, CPR kompresyon pozisyonunu belirlemeye yardımcı olabilmektedir. Göğüs kompresyonu ile gerçek bir insanınkiyle aynı miktarda güç gerektirir. Sıkıştırma derinliği ve frekansı tespit edilebilmektedir.
- 7) Hava yolundaki suyu ve herhangi bir yabancı cismi temizlemek için manken ile karın itme hareketleri Heimlich manevrası yapılabilir.
- 8) Manken 100000'den fazla göğüs kompresyonuna uygun dayanıklılık testi yapılmıştır.
- 9) Sudan zarar görmeyen Dahili şarj edilebilir pil, tam şarj ile 4 saat boyunca iyidir.



- Yazılım :
  - 1) Kablosuz bağlantı ve iletişim için web tabanlı tablet PC den giribildirim alınabilen yazılım.
  - 2) Suda arama ve kurtarma tüm süreç eğitimi, gerçek zamanlı rehberlik ve denetim.
  - 3) Göğüs kompresiyonu, ventilasyon, kompresyon-ventilasyon koordinasyonu gibi eğitimler tarafından sürelerinin ayarlanabildiği simülatif eğitim yazılımı mevcuttur.
  - 4) Öğrenciler/ kursiyerler performanslarını kendi kendine test yapabilir.
  - 5) CPR operasyon verilerinin ve grafik analizinin gerçek zamanlı görünümü.
- 6) Objektif işlem için otomatik puanlama.
- 7) Yerleşik AHA ve ERC CPR kriterlerine göre performans ölçümleri ve farklı öğrenciler için çoklu zorluk seviyelerinin ayarlanabildiği düzenleme
- 7) Kompresyon derinliği, kompresyon frekansı, kompresyon pozisyonu, ventilasyon hacmi, ventilasyon süresi, hava yolu açıklığı vb. gibi gerçek zamanlı CPR verilerinin kayıt altına alınabildiği ekran gösterimi ile anında geri bildirim.

- 8) 8) Tüm eğitim ve test verileri, yeniden oynatma ve inceleme için otomatik olarak kaydedilmektedir.
- 9) Kullanıcılar, toplam eğitim puanı, toplam süre, döngü grubu sayısı, kompresyon puanı, ortalama kompresyon derinliği, ortalama kompresyon frekansı, kompresyon pozisyonu doğruluk oranı, göğüs tam geri tepme oranı dahil olmak üzere tek görev eğitimi ayrıntılarını görüntüleyebilmektedirler. Ventilasyon skoru, ortalama ventilasyon hacmi, ortalama ventilasyon süresi, hava yolu açma doğruluk oranı; Tüm CPR uygulamalarında kardiyak bası yüzdesi, maksimum kesinti süresi, vb. Puanlar grafik çizelgelerinde görüntülenebilir.
- 10) Uygulamalarda referans için otomatik yorumlar mevcuttur.
- 11) Skorlar kayıt altına alınabilmekte ve gerektiğinde yazdırılabilmektedir.



### PAKET ÖZELLİKLERİ

Paket ağırlığı (Kg) & Ölçüler (Cm) | 56 kg | 160 U | 49.5 G | 24.5Y

### DONATIM İÇERİĞİ Components

Yetişkin erkek suda kurtarma eğitim mankeni	1
Balon Pompası	1
Şarjer	1
Uzaktan Kontrol kumandası	1
Kullanım Kılavuzu	1

## İnteraktif ET Entubasyon Simülasyonu

ÜRÜN KODU EDM1011

### GENEL

Anatomik olarak doğru yapılara sahip bu erkek model, hava yolu yönetimi becerisini uygulamak ve entübasyon derinliğini ve doğruluğunu, ventilasyonu ve bir tablet aracılığıyla laringoskop kullanımını değerlendirmek için ideal bir seçimdir.



### BECERİ KAZANIMLARI

- Maske ile ventilasyon uygulama
- LMA entübasyonu
- Oral ve Nasal tüp uygulaması
- Endotrakeal entübasyon uygulaması
- Tirokrikosertez uygulaması
- Trakeostomi uygulaması

### ÖZELLİKLER

• **Anatomi:** Burun, ağız, dişler, dil, farinks, gırtlak, küçük dil, palatoglossal ark, palatofaringeal ark, bademcik, küçük dil, glottis, krikoid kıkırdak, tiroid kıkırdak, trakea, sol ve sağ bronşlar, akciğerler gibi gerçeğe benzer anatomik yapılar, yemek borusu.

#### • Ana Özellikler:

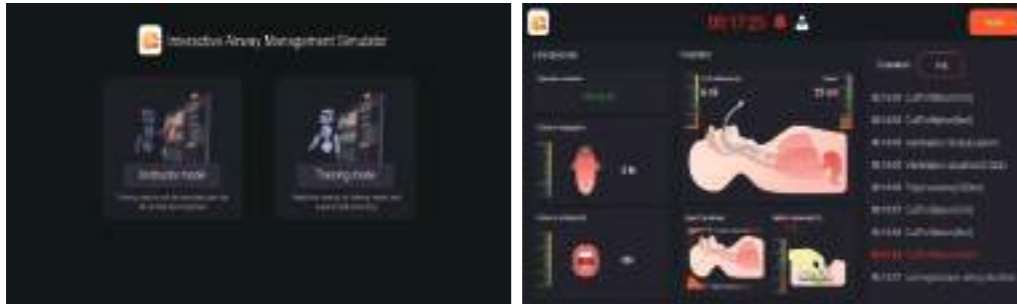
Model hakkında:

- 1) Model üzerinde Baş eğme-çene kaldırma, çene itme manevrası ve Koklama Pozisyonu ile hava yolu açılabilir ve ardından oral endotrakeal entübasyon ve/veya maske ventilasyonu yapılabilmektedir.
- 2) İyi konumlandırılmış, baş açısı ve başın ekstansiyon açısının algılanmasına izin verebilmektedir.
- 3) Başarılı entübasyon sonrası Bag-Valf-Maske kullanılarak ventilasyon. Ventilasyon sırasında gözlemlenebilir göğüs yükselmesi ve inişi ve ventilasyon süresi ve tidal hacim tespit edilebilmektedir.

- 4) Tüp hava yolunun doğru pozisyonuna yerleştirilirse suni ventilasyon yapıldığında iki taraflı akciğer yükselmesi görülebilir; Tüp çok derine (23 cm'den daha derine) sokulursa ve sağ bronşa girerse, tek akciğer ventilasyonuna neden olur ve alarm çalar; veya tüp yanlışlıkla yemek borusuna takılırsa, alarm da çalacaktır.
- 5) Sellick manevrası yapılarak krikoid kıkırdağa uygulanan baskı saptanabilir.
- 6) Entübasyon tüpü (ETT), çift lümenli tüpler (DLT), Combi-Tube, laringeal maske, direkt laringoskop, video laringoskop, fleksibl video laringoskop gibi cihazlar kullanılarak endotrakeal entübasyon yapılabilir.
- 7) Üst kesici dişler değiştirilebilir ve laringoskop kullanımı sırasında kesici dişlere uygulanan kuvvet tespit edilebilir.
- 8) Boyundaki krikoid kıkırdağ ve tiroid kıkırdağı gerçek gibi hissedilir ve iğne batırılırsa bir "pop" veya direnç kaybı hissedilebilir
- 9) "Entübe edilemiyor" durumuna yol açan zor hava yolunu simüle etmeye izin verir.
- 10) Boyun derisi ve krikotiroid membran gibi sarf malzemeleri değiştirilebilir
- 11) 4 saatten fazla sürekli kullanım için şarj edilebilir pil

#### 1) Kontrol yazılımı ;

- 1) Model ve Ekran cihazı (Tablet PC) Wifi bağlantısı ile birbirine bağlıdır. Eğitim ve değerlendirme Tablet PC üzerinden yapılabilen ve debriefing amaçlı sonuçlar yazdırılabilmektedir.
- 2) Hem laringoskop blaydleri ve çeşitleri, hem de entübasyon tüpü cihazlarını seçebilen Eğitimci modu ve Eğitim modu bulunmaktadır.
- 3) Eğitimden önce önce manşet basıncı ayarlanabilir ambu düzeneği bulunmaktadır. Basınç anormalse bir uyarı görüntülenebilmektedir. Basıncı normal veya anormal değerlere göre ayarlanabilmektedir Ventilasyonunu, laringoskop kullanımını ve entübasyonu otomatik olarak değerlendirme özellikleri bulunmaktadır. Bunlar;
  - Ventilasyon: saptanabilir ventilasyon süresi/süreleri/süresi/frekansı ve tidal hacim
  - Laringoskop kullanımı: laringoskopun çalışma süresinin, laringoskop kullanımı sırasında kesici dişler üzerindeki kuvvetin ve dile uygulanan kuvvetin otomatik kaydı
  - Entübasyon: Boynun algılanabilir fleksiyonu ve başın ekstansiyonu, entübasyon konumu ve derinliği, kaf şişirme, Sellick manevrası ve krikoid kıkırdağa uygulanan basınç düzeyi geribildirimleri alınabilmektedir.



- 4) Tüp glottise yerleştirildiğinde doğru derinliğe ulaşırsa arayüzde dinamik bir görüntü görülebilir; tüp çok derine sokulursa bronşa girecek ve bronş görünümü oluşacaktır; Tüp yanlışlıkla yemek borusuna takılırsa, gerçek zamanlı görüntüyü de gösterecektir.
- 5) Doğru, aşırı derin veya anormal entübasyon, doğru hava yolu açıklığı, kaf şişirme gibi sesli uyarılar olacaktır.
- 6) Eğitimci modunda kursiyerler değerlendirilebilir ve tüm operasyon ve alarm olayı gerçek zamanlı olarak kaydedilebilir. Eğitim için göz alıcı sonuç, kaydedilebilir ve yazdırılabilir
- 7) Eğitimci, değerlendirilen işlem öğeleri, subjektif değerlendirme kriterlerini ve puanları ekleme veya değiştirme gibi değerlendirme kriterlerini belirleyebilir.
- 8) Eğitim sonuçları süreye, kateter tipine ve entübasyon yardımcı aletine göre görüntülenebilir; Sonuçlar ve değerlendirme içeriğinin tümü veya bir kısmı yalnızca Eğitimci modunda dışa aktarılabilir
- 9) Eğitim modu, kursiyerlere kendi kendine ve karşılıklı eğitim ve öğrenim sunar ve görüntüleme, dışa aktarma ve yazdırmaya izin veren eğitim raporları sunar.

#### PAKETLEME ÖZELLİKLERİ

Ağırlık (Kg) & Ölçüler (Cm)	11.3kg	71U	44G	31Y
-----------------------------	--------	-----	-----	-----

#### DONATIM İÇERİĞİ

İnteraktif ET Entubasyon Simülatörü	1
Steteskop	1
Laringoskop	1
Enjektör	2
Entubasyon tüpü ve Style	1
Balon Mask (Ambu) BVM	1
AdaptörAdapter	1
Kullanım Kılavuzu	1

## KAPSAMLI E/T ENTUBASYON EĞİTİM MAKETİ

ÜRÜN KODU EDM 1009

### GENEL

Gerçekçi anatomik yapıda erkek eğitim maketi. E/T entübasyon simülasyonuna uygun trakeal yapı Oral endotrakeal entübasyon, maske ventilasyonu, tirokosentez ve trakeotomi operasyonu yapılabilmektedir.

### BECERİ KAZANIMLARI

- Oral endotrakeal entübasyon
- Maske ventilasyonu
- Tirokosentez
- Trakotomi

### ÖZELLİKLER

Bronşlar, akciğerler gibi gerçeğe benzer anatomik yapılar, yemek borusu pasajı

#### Ana Özellikler:

- 1) Baş eğme-çene kaldırma ile hava yolu açılabilir ve ardından oral endotrakeal entübasyon ve maske ventilasyonu yapılabilmektedir.
- 2) Gerçek boyut ve renkte simüle edilmiş akciğer yapılarına sahiptir. Solda iki, sağda bronşla bağlantılı üç lob görülmektedir.
- 3) Tüp hava yolunun doğru pozisyonuna yerleştirilirse, yapay ventilasyon yapıldığında iki taraflı akciğer yükselişi ve düşüşü görülebilir; Tüp çok derine (25 cm'den derine) sokulduğunda veya tüp yanlışlıkla yemek borusuna takılırsa, alarm geribildirimini almaktadır.
- 4) Zor hava yolunu simüle etmek için hava yolu tıkanıklığı işlevi vardır
- 5) Cilt ve boğaz gibi sarf malzemeleri değiştirilebilmektedir.
- 6) Göğüs yapısının sınırlarını belirleyen transparan gövde bulunmaktadır.
- 6) Koruyucu boyunluk ile birlikte sunulmaktadır.

### PAKETLEME ÖZELLİKLERİ

Paket ağırlığı (Kg) & Ölçüler (Cm)	11.5kg   71.U   43.G   30.5Y
------------------------------------	------------------------------

### DONATIM İÇERİĞİ

Kapsamlı E/T Entübasyon Eğitim Maketi	1
Trakea	1
Balon	1
Güç adaptarı	1
Kullanım Kılavuzu	1



## E/T Entubsayon Eğitim Maketi

ÜRÜN KODU ; EDM 1514

### GENEL

Doğru anatomik yapıya sahip yetişkin hava yolu girişimsel uygulamaları için geliştirilmiştir. Gerçekçi renk ve cilt yapısında yetişkin erkek kafasının görünümü ile öne çıkan bu ürün, öğrencilerin ve eğitmenlerin trakeal entübasyonu ve ventilasyonu öğrenmesi ve öğretmesi için geliştirilmiştir. Ayrıca karotid arterin atık simülasyonu ve simülatif E/T aspirasyon uygulamalarına müsaittir.



### BECERİ KAZANIMLARI

- Yetişkin ağız boğaz anatomik yapısının öğrenilmesi
- E/T Entübasyon teknikleri, Sellick manevrası vb.
- E/T entübasyon araç ve gereçlerinin kullanım eğitimleri
- Ventilasyon teknikleri
- Aspirasyon teknikleri

### ÖZELLİKLER

- Ağız açıklığı ile yetişkin erkek manken gerçek boyutlu kafa yapısı
- Burun, ağız, dişler, dil, farinks, gırtlak, küçük dil, ses telleri, krikoid kıkırdak, trakea, bronşlar, yemek borusu ve akciğerler dahil olmak üzere gerçekçi ve doğru anatomik yapıların sergilenmesi
- Doğru havalandırma, akciğer torbalarının şişmesine yol açacaktır.
- Karotid arter nabzını manuel olarak simüle edin
- Gerçekçi his ve dokunuşa sahip dayanıklı malzeme
- Kompakt masa üstü tasarım
- E/T Entübasyon, ventilasyon ve aspirasyon becerilerini öğrenmek için ideal seçim

### PAKETLEME ÖZELLİKLERİ

Paket Ağırlığı (Kg) & Ölçüler (Cm)	6.8kg   60U   48G   31Y
------------------------------------	-------------------------

### DONATIM İÇERİĞİ

E/T Entubsayon Eğitim Maketi	1
BasınçPuarı	1
eğitim için E/T Tüp ve style	1

## CPR & DEFİBRİLYASYON MAKETİ

ÜRÜN KODU : EDM 9120

### GENEL

CPR eğitimi, değerlendirme, defibrilasyon ve veri istatistikleri için tasarlanmış bir erkek tam vücut mankenidir. Kontrol yazılımı, bilgilendirme için operasyon verilerini gerçek zamanlı olarak görüntüleyebilmektedir. Birden çok kursiyerin verilerini toplayabilmekte ve farklı birimlerden gelen verileri entegre ederek karşılaştırma yapabilmektedir.



### BECERİ KAZANIMLARI

- İleri yaşam destek ve temel yaşam destek beceri kazandırma
- Defibrilasyon ve EKG simülasyon uygulama becerisi

### ÖZELLİKLER

- Gerçekçi görünüme ve gerçeğe yakın his ve dokunuşa sahip dayanıklı tam vücut mankeni
- Kablosuz ve bağlantısız tasarım
- Anatomik olarak doğru hava yolu yapıları arasında ağız boşluğu, burun boşluğu, dişler, sert damak, dil, palatoglossus arki, palatofaringeal ark, bademcik, posterior faringeal duvar, epiglottis, glottis, krikoid kıkırdak, tiroid kıkırdak, trakea ve özofagus yer alır.
- Ağızdan ağza, resüsitasyon balonu ve suglottik hava yolu vb. yoluyla yapay ventilasyon için hava geçirmez tasarım.
- Orofaringeal ve nazofaringeal kateterler, klinik gerçek aletler kullanılarak yerleştirilebilir. Takılan kateterin uzunluğu gerçek hastalarla aynıdır.
- Göğüs yapılanması, CPR el konumunun bulunmasına yardımcı olabilmekte ve sıkıştırma gücü gerçek bir kişiye yakındır.
- Bilateral karotis darbeleri manuel olarak üretilebilmesine uygundur.
- CPR operasyonlarını izlemek ve değerlendirmek ve güvenmeden geri bildirim vermek için yerleşik kontrol sistemi bulunmaktadır.
- Mankenle gerçek defibrilatör kullanılabilmekte ve mevcut EKG verileri cihaz ekranından alınabilmektedir.
- Gerçek deşarj işlemi yapılabilir ve doğru işlemten sonra EKG verileri kayıt altına alınabilmektedir.
- Defibrilatör tarafından verilen enerji, sistem tarafından algılanan verilerle tutarlıdır
- Manken, gerçek EKG monitörlerine bağlanabilmekte ve EKG verilerini dinamik olarak gösterilmektedir.
- Manken 100000'den fazla kardiyak batıya dayanıklıdır.
- Dahili şarj edilebilir pil, tam şarjla 4 saat boyunca çalışabilmektedir.

### • YAZILIM

- Web tabanlı yazılım
- Kablosuz kontrol. Bir kontrol ünitesi, birden fazla kursiyerin veri toplamasını destekler
- Gerçek zamanlı tüm süreç rehberliği ve tek kişilik CPR eğitiminin denetimi
- Kullanıcı tanımlı süre ile birlikte kompresyon ve ventilasyon için özel görev eğitimi mevcuttur
- Kullanıcı tanımlı süre ile kendi kendine test eğitimi
- Gerçek zamanlı görüntü sıkıştırma ve havalandırma verileri ve grafikleri, dinamik dağılım haritası mevcuttur
- Otomatik objektif puanlama
- İlaç, defibrilasyon, kompresyon ve ventilasyon dahil olmak üzere Gelişmiş Kardiyak Yaşam Desteği (ACLS) tüm süreç eğitimi ve değerlendirmesi
- 2020 AHA ve 2021 ERC yönergeleriyle uyumlu ve birden fazla zorluk seviyesi mevcuttur.
- Kompresyon derinliği, kompresyon oranı, el pozisyonu, ventilasyon hacmi, ventilasyon süresi ve hava yolunun açılıp açılmadığına ilişkin grafiksel gösterim ve anında geri bildirim.
- Kullanılan gerçek defibrilatörün defibrilasyon modu, polaritesi ve defibrilasyon enerjisinin otomatik tespiti ve yüklenmesi
- Eğitim/değerlendirme türü, zamanı ve personele göre filtrelemeyi destekleyen tüm eğitim ve değerlendirme verilerinin otomatik olarak saklanması
- Toplam puan, toplam süre ve döngü sayısı dahil olmak üzere bir eğitim sonucunun ayrıntıları görüntülenebilir; sıkıştırma puanı, ortalama sıkıştırma derinliği, ortalama sıkıştırma oranı, sıkıştırma konumunun doğruluğu, tam geri tepme oranı; ventilasyon skoru, ortalama ventilasyon hacmi, ortalama ventilasyon süresi, hava yolu açma doğruluğu; toplam CPR süresinin yüzdesi olarak kompresyon süresi, maksimum kesinti süresi
- CPR operasyonunun her bir yönünün puan dağılımını göstermek için mevcut grafik tablosu
- Kursiyerin operasyon özelliklerine göre otomatik yorumlar üretilebilir.
- Eğitim verileri kayıt düzeni
- Tek kompresyon ventilasyonunun grafik biçimi ve kalite değerlendirmesi gözden geçirilebilir
- Eğitim/değerlendirme sonuçları basılabilir veya dışa aktarılabilir.



### PAKET ÖZELLİKLERİ

Paket ağırlığı (kg) & Ölçüler (cm)	13.6kg	94G	32D	50Y
------------------------------------	--------	-----	-----	-----

### DONATIM İÇERİĞİ

İYD/CPR & Defibrillation Mankeni	1
Taşıma ve koruma çantası	1
Şarjer	1
Giysi	1
Akciğer Torbası	5
Kullanım Kılavuzu	1

## SİMÜLATİF DEFİBRİLATOR - DefibReady

ÜRÜN KODU.: EDM6120

### GENEL

DefibReady, hekimlik, paramedik ve hemşirelik öğrencilerinin yanı sıra diğer birinci basamak sağlık çalışanları için manuel harici defibrilasyon, AED, pacing ve izleme işlemi gerçekleştirmeleri için güvenli ve tekrarlanabilir yüksek kaliteli bir eğitim durumu oluşturmak üzere tasarlanmıştır. Sistem, simüle edilmiş bir defibrilatör, giyilebilir bir defibrilasyon yeleği ve bir kontrol sisteminden oluşur.



### BECERİ KAZANIMLARI

- Defibrillation uygulama eğitimleri
- Pacing uygulama eğitimleri
- Moniterizasyon becerileri

### ÖZELLİKLER

- Gerçek bir defibrilatörle hemen hemen aynı görünüm
- Parametre görüntüleme ve kurulum için yüksek çözünürlüklü dokunmatik ekran
- Düğmeler ve düğmeler gerçek bir defibrilatör işlevi görebilmektedir
- “ : ” “ : ” düğmeleriyle enerji düzenlemesi yapılabilmektedir.
- Şarj & deşarj işlemleri DefibReady ile yapılabilir.
- Defibrilasyon enerjisi seçimi
- Yüksek gerilim akımdan uzak, kullanıcılar için her zaman güvenli
- İzleme Modu, AED Modu, Manuel Defibrilasyon Modu, Pacing Modu dahil olmak üzere 4 mod mevcuttur
- DefibReady'de bir şarj etme düğmesi vardır ve tıpkı gerçek bir defibrilatör gibi şarj olma ses efektleri bulunmaktadır.
- 2 dakikalık alarm duraklatma düğmesi. Monitör Modunda basıldığında alarm veren ışık ve ses kendiliğinden kapanmakta, ancak ekrandaki parametrelerde yanıp sönen alarma sahiptir.
- İzleme Modunda alarm, NIBP kurulumu ve günlük incelemesi için menü düğmesi
- Farklı seviyelerde alarm sesleri ve alarm ışığı efektleri
- Doğru pozisyon için görsel hatırlatıcıya sahip gerçekçi defibrilasyon kaşıkları ve pedleri
- Enerji regülasyonunun hızlı çalışma, şarj edilmesi ve boşaltılması için defibrilasyon kaşıkları üzerinde butonlar
- Defibrilasyon kaşıkları, yetişkin ve çocuk kullanımı arasında boyut değişikliği için çıkarılabilmektedir.

- AED Modunda ped bağlantısının otomatik olarak algılanması. Ped düştüğünde veya çıktığında gelen sesli uyarı
- DeibReady, 5 uçlu kablo, bir nabız oksimetresi, bir NIBP manşonu, bir kablo ısı probu ve bir CO2 örnekleme kanülü ile birlikte sunulmaktadır.
- Gerçek bir defibrilatör gibi DefibReady ile gerçek aksesuar bağlantısı deneyimi yaşanmaktadır.
- 5 derivasyonlu EKG dekolmanının tespiti mümkündür.
- Nabız oksimetre ayrılmasının saptanması mümkün olabilmektedir.
- İşitilebilir sesle gerçek tansiyon balonunda hava doldurma ve hava tahliyesi mümkün olabilmektedir.
- Harici güç kaynağı ve yerleşik pil mevcuttur. Dahili pilin tam şarjı 8 saatlik kullanımı desteklemektedir.



### DEFİBRİLASYON YELEĞİ

İnsan veya veya mankenler tarafından giyilebilir 5 uçlu EKG ile bağlantıyı destekleyen kaşıklar. DefibReady uygulamasını destekleyen defibrilasyon kaşıkları ve pedlerle kullanım kolaylığı bulunmaktadır.



**KONTROL SİSTEMİ**

- EKG, EtCO2, Pleth, HR, RR, SpO2, NIBP, vb.'nin ekrandan izlenilme avantajı.
- Ayarlanabilir EKG leadleri
- Otomatik ve manuel Arterial tansiyon ölçümü imkanı
- İzleme Modunda bulunan dondurma ve veri inceleme işlevleri; trend çizelgeleri ve NIBP verilerinin görüntülenebilmesi
- Alarmlar kurgulanabilme imkanı,
- Durum çubuğu, bir döngüde birden fazla alarm mesajı gösterebilmektedir.
- Defibrilasyon enerjisi ayarlanabilir; mevcut defibrilasyon enerjisini göstermektedir.
- Şarj tamamlandığında bir sesli uyarı gelmektedir.
- Kümülatif elektrik çarpması sayısı ve en son elektrik çarpmasının enerjisi görüntülenebilmektedir.
- Senkronize kardiyoversiyon modundayken, ekranda "Senkronizasyon" görülebilmektedir.
- Başarılı defibrilasyondan sonra EKG dalga biçimlerinde değişim gözlenmektedir.
- AED'nin uygulama eğitimine uygundur.
- AED sesli ve görsel rehber yer almaktadır.
- Elektrik şoku verilip verilmeyeceğini belirtmek için akıllı kalp ritmi analizi yapılabilmektedir.
- CPR işlemi için metronom mevcuttur
- Ayarlanabilir CPR modları ve süresi bulunmaktadır.
- İsteğe bağlı ilerleme hızı ve sabit ilerleme hızı gözlemlenebilmektedir.
- Web tabanlı eğitim yazılımı bulunmaktadır.
- Defibrilatör bağlantısı ve kontrolü için QR kodu taranabilmektedir.
- Atriyal Fibrilasyon, Ventriküler Fibrilasyon, Kardiyak Arrest, Kalp Atışı Yapma, Taşikardi gibi yetişkin ve pediatrik vakalar dahil olmak üzere dahili 16 defibrilasyon ve pacing vakası
- Eğitim yazılımı vaka akışını görüntüleyebilir ve vakayı manuel olarak kontrol edebilir
- Kurtarma sürecini zenginleştirmek için resüsitasyon becerileri mevcuttur
- 2020 AHA yönergeleriyle uyumludur
- Eğitim yazılımı, EKG, kalp hızı, EtCO2, solunum hızı vb. dahil olmak üzere farklı vaka durumlarının yaşamsal belirtilerini görüntüleyebilmektedir.
- İşlem günlükleri otomatik olarak oluşturulabilir ve eğitim yazılımında görüntülenebilmektedir.
- Uygulamada, sonuç olarak hayatta kalabilir, ölüm veya tedavi durdurma geribildirimleri alınabilmektedir.

**PAKETLEME ÖZELLİKLERİ**

Paket ağırlığı (kg) & Ölçülen (cm)	8.8kg	51G	45D	40Y
------------------------------------	-------	-----	-----	-----

**DONATIM İÇERİĞİ**

DefibReady ve kullanım yeleği	1	Tansiyon ölçüm ekipmanı	1
CO2 kanülü a	1	Beden sıcaklığı probu	1
5-lead Kablo	1	Kullanım Kılavuzu	1
Pulse oksijen probu	1		

**İnteraktif CPR Eğitim Simülatörü**

ÜRÜN KODU :EDM9013

**GENEL**

Simülatör, CPR eğitimi, değerlendirmesi ve bilgilendirme için tasarlanmıştır. Verileri gerçek zamanlı olarak görüntüleyebilir ve büyük ekranlara yansıtılabilmektedir. Klinik beceri yarışmaları ve günlük CPR egzersizleri ve öğretimi için ideal bir seçimdir. Sınavlar ve uygulamalar için işlem verilerini ve performansı kontrol etmek ve görüntülemek için yararlı olan bir tablet PC ile bağlantıyı desteklemektedir.

**BECERİ KAZANIMLARI**

- Anatomik gerçeklikte uygulama. ve alıştıırma
- CPR /TYD beceri ve uygulama adımları

**ÖZELLİKLER**

Ağız boşluğu, solunum yolu ve göğüs işaretleri dahil olmak üzere gerçeğe yakın Erkek anatomik yapılar Ana Özellikler:

- 1) Tam vücut, kullanımı ve taşınması kolay
- 2) Tam şarj ve gerçek zamanlı pil durumuyla 10 saatin üzerinde sürekli çalışma süresiyle hem güç adaptörünü hem de pil takımını desteklemektedir.
- 3) Kayıt sisteminden performans geçmişi izlenebilmektedir.
- 4) CPR beceri geliştirme
- 5) AHA(2020) ve ERC(2021) yönergelerine uygunluk
- 6) Kompresyon derinliğini, hızını, el pozisyonunu, geri tepmeyi, göğüs kompresyonlarındaki kesintileri (>10 sn), gerçek zamanlı tidal hacmi, ventilasyon: kompresyon oranını, yetersiz ve aşırı ventilasyonları tespit etmek için yüksek duyarlı
- 7) Gerçekçi cilt hissi ve dokunuşu.



### PAKETLEME ÖZELLİKLERİ

paket Ağırlığı (kg) & Ölçüler(cm)	10kg	39G	26.5D	54.5Y
-----------------------------------	------	-----	-------	-------

### DONANIM İÇERİĞİ

CPR Simulator	1
Taşıma ve Koruma Çantası	1
Transformer	1
Kullanım Kılavuzu	1

## TEMEL CPR MAKETİ(YARIM BEDEN)

ÜRÜN KODU ; EDM1516

ÜRÜN KODU; EDM1516.1(6"LI PAKET)

### GENEL

Yarım beden / gövde. kullanımı ve taşınması kolay

Temel CPR eğitimi için tasarlanmıştır, gerçek zamanlı olarak görüntülenebilen operasyon verileri ile değerlendirme ve bilgi almaya uygundur. Öğrenci ve Kursiyerler için ideal bir eğitim aracıdır. ihtiyaç duyulduğunda gerçek performans göstermeye hazır bulunuş eğitimleri için sıklıkla kullanmaya uygundur. .



### BECERİ KAZANIMLARI

- Anatomik gerçeklikte beden yapısı
- CPR'nin amaç ve ilkelerini kolayca anlama ve gerçek zamanlı geri bildirim sayesinde eğitsel öğrenimi geliştirmeye yardımcı olabilecek özellikte

### ÖZELLİKLER

- 1) Yarım gövde, kullanımı ve taşınması kolaydır.
- 2) Dişler, dil, küçük dil, gırtlak, epiglot, gırtlak, ses teli vb. dahil olmak üzere doğru anatomik yapılarla sahip, gerçeğe yakın erkek beden yapısı
- 3) Kalp masajı pozisyonunu bulmak için gerçekçi ve doğru anatomik yapılar
- 4) Gerçekçi cilt hissi ve dokunsallık
- 5) Yapay iki taraflı karotid arter nabızı simülasyonu
- 6) Kablosuz bağlantı
- 7) Manken 100.000'den fazla göğüs sıkıştırması deneyimlemeye uygundur.
- 8) Tam şarjla 4 saatin üzerinde sürekli çalışma süresine sahip dahili şarj edilebilir batarya
- 9) Guardian Basic (6'lı Paket) ile çalışıldığında yazılım üzerinde görüntülenen her modelden çalışma verileriyle eğitim ve inceleme için altıdan fazla modeli kontrol edebilmektedir.





**YAZILIM DONATIMI**

1) **Yazılım**, cep telefonu, tablet PC vb. herhangi bir terminale kurulabilir ve Windows, OSX, Android, IOS ve diğer genel işletim sistemleriyle uyumludur. Kablosuz iletişimi gerçekleştirmek için ön kurulumu gerek yoktur.

**2) CPR**

A) AHA(2020) ve ERC(2021) yönergelerine uygundur

B) Tek CPR eğitim sürecini desteklemek ve sürecin gerçek zamanlı rehberlikte denetimine uygundur.

C) Sınırlı eğitim süresi içinde kardiyak bası, solunum vermeyi desteklemektedir.

D) Kendi kendine test eğitimi için özelleştirilmiş eğitim süresi

E) Egzersiz sırasındaki kompresyon derinliği, oranı, pozisyonu, tidal hacmi, ventilasyon süresi, hava yolu açıklığı vb.

operasyon verileri gerçek zamanlı olarak bir tablo olarak görüntülenebilmektedir. Kullanıcılar, yanlış işlemi düzeltmek için uygun olan ayrıntıları görüntüleyebilmektedir.

F) Tüm eğitim ve değerlendirme verileri otomatik olarak kaydedilebilir. Kullanıcılar, toplam eğitim puanları, toplam eğitim süresi, döngü sayısı dahil olmak üzere belirli bir eğitimin ayrıntılarını görüntüleyebilir; ortalama kompresyon derinliği, hızı, kompresyon pozisyonunun doğruluğu, göğüs geri tepme oranı; ortalama ventilasyon hacmi, süresi, hava yolu açıklığının doğruluğu; tüm CPR'deki kompresyon süresinin oranı, maksimum kesintiye uğrayan süre, vb.

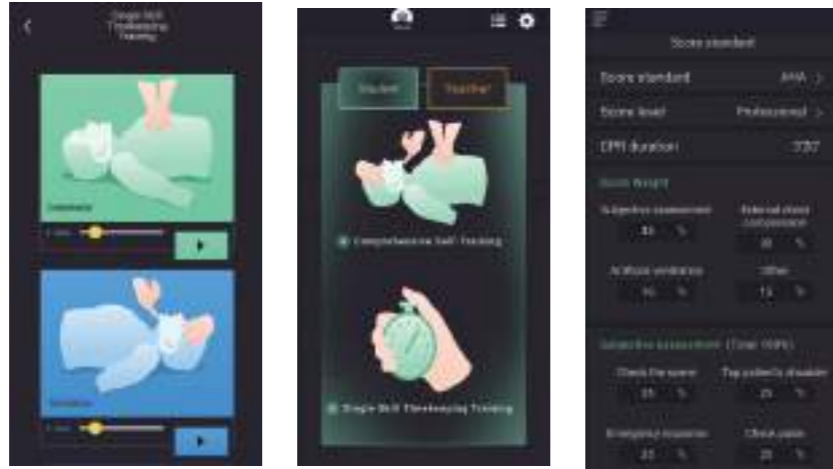
G) Gözden geçirme, değerlendirme ve bilgi alma için veri düzenleme

H) Sonuçların kaydedilmesi ve dışa aktarılması mümkündür

I) Skor listesinin ve cihazın saatıyla eşleşmesini sağlamak için zamanı otomatik olarak kalibre edilebilmesi mümkündür.

**3) TEMEL CPR MAKET (6'lı Paket)** desteği, sensör tarafından toplanan objektif eğitim verileri ile eğitmenin subjektif verilerini dışa aktarılabilir bir eğitim performans verileri oluşturulabilir.

**4) TEMEL CPR MAKET (6'lı Paket)**, isteğe bağlı yönlendirici modu ve ağ modu sunmaktadır.

**PAKETLEME ÖZELLİKLERİ**

Paket ağırlığı (kg) & Ölçüler (cm) | 8.5kg | 76G | 37D | 25Y

**TEMEL CPR MAKET DONATIM İÇERİĞİ**

TEMEL CPR MAKET	1
Şarjer	1
Taşıma ve Koruma Çantası	1
Akciğer Torba/Balonu	5
Kullanım Kılavuzu	1

**TEMEL CPR MAKET SETİ DONATIM İÇERİĞİ**

TEMEL CPR MAKET SETİ (6'lı set)	1
Şarjer	1
Router	1
Taşıma ve Koruma Çantası	1
Akciğer Torba/Balonu	30
Kullanım Kılavuzu	6

**TEMEL CPR MAKETİ(TAM BEDEN)**

ÜRÜN KODU; EDM9019

ÜRÜN KODU; EDM9019.1(6'LI SET)

**GENEL**

TEMEL CPR MAKETİ(TAM BEDEN), işlem sırasında kalpten beyne kanın görsel akışını simüle edebilen CPR eğitimi, değerlendirmesi ve bilgi alma için tasarlanmıştır. Öğrenci ve Kursiyerler için ideal bir eğitim aracıdır. ihtiyaç duyulduğunda gerçek performans göstermeye hazır bulunuş eğitimleri için sıklıkla kullanılmaya uygundur. .

**BECERİ KAZANIMLARI**

- Anatomik gerçeklikte beden yapısı
- CPR'nin amaç ve ilkelerini kolayca anlama ve gerçek zamanlı geri bildirim sayesinde eğitsel öğrenimi geliştirmeye yardımcı olabilecek özellikte

**ÖZELLİKLER****• Gerçekçilik:**

- 1) Otomatik çift taraflı karotis nabızı, spontan solunum, gözbebeği reaksiyonu dahil olmak üzere gerçeğe yakın tüm vücut erkek anatomik yapı
- 2) Kardiyak bası pozisyonunu uygun bir şekilde bulmak için gerçekçi kaburgalar, ağız boşluğu, solunum yolu ve göğüs işaretleri ve diğer anatomik yapılar

**•Ana Özellikler:** Manken:

- 1) Simüle edilmiş kan dolaşımı gösteren ışıklar ve dinamik geri bildirimli ventilasyon talimatları ile donatılmıştır

- 2) Dişler, dil, küçük dil, glottis, küçük dil, gırtlak, ses teli vb. dahil olmak üzere doğru anatomik yapılar.
- 3) Kompresyon pozisyonunu bulmak için gerçekçi ve doğru anatomik görünüm.
- 4) Gerçekçi cilt hissi ve dokunsallık
- 5) Kablosuz tasarım
- 6) Manken 100.000 den fazla kardiyak bası deneyimi
- 7) Tam şarjla 4 saatin üzerinde sürekli çalışma süresine sahip dahili şarj edilebilir batarya
- 8) TEMEL CPR MAKET SETİ (6'lı set) görüntülenen her modelden çalışma verileriyle eğitim ve inceleme için altıdan fazla modeli kontrol edebilmektedir.

### YAZILIM ;

1) Yazılım, cep telefonu, tablet, PC vb. herhangi bir terminale kurulabilir. ve IOS, Android, Windows, MacOS, Linux ve diğer genel işletim sistemleriyle uyumludur

### 2) CPR :

A) 2015 AHA ve ERC yönergelerine uygun, maks. Aşırı derin kardiyak bası ile sıkıştırma derinliği 6.5 cm'nin üzerindedir.

B) CPR doğru şekilde yapıldığında baş ve göğüsteki tüm ışıklar tamamen yanar ancak kompresyon derinliği yeterli değilse (AHA 2020 için <5 cm) ışıkların yalnızca bir kısmı yanar

C) Kompresyon derinliğini, hızını, el pozisyonunu, geri tepmeyi, göğüs kompresyonlarındaki kesintileri (>10 sn), gerçek zamanlı tidal hacmi, ventilasyon: kompresyon oranını, yetersiz ve aşırı ventilasyonları, bilinçli muhakemeyi algılamak için yüksek hassasiyetli sensörler bulunmaktadır.

D) Sonuçları kaydetmek ve dışa aktarmak mümkündür

E) Skor listesinin ve cihazın saatiyle eşleşmesini sağlamak için zamanı otomatik olarak kalibre edilebilmesi mümkündür.

3) TEMEL CPR MAKET (6'lı Paket), isteğe bağlı yönlendirici modu ve ağ modu sunmaktadır.

### Specifications

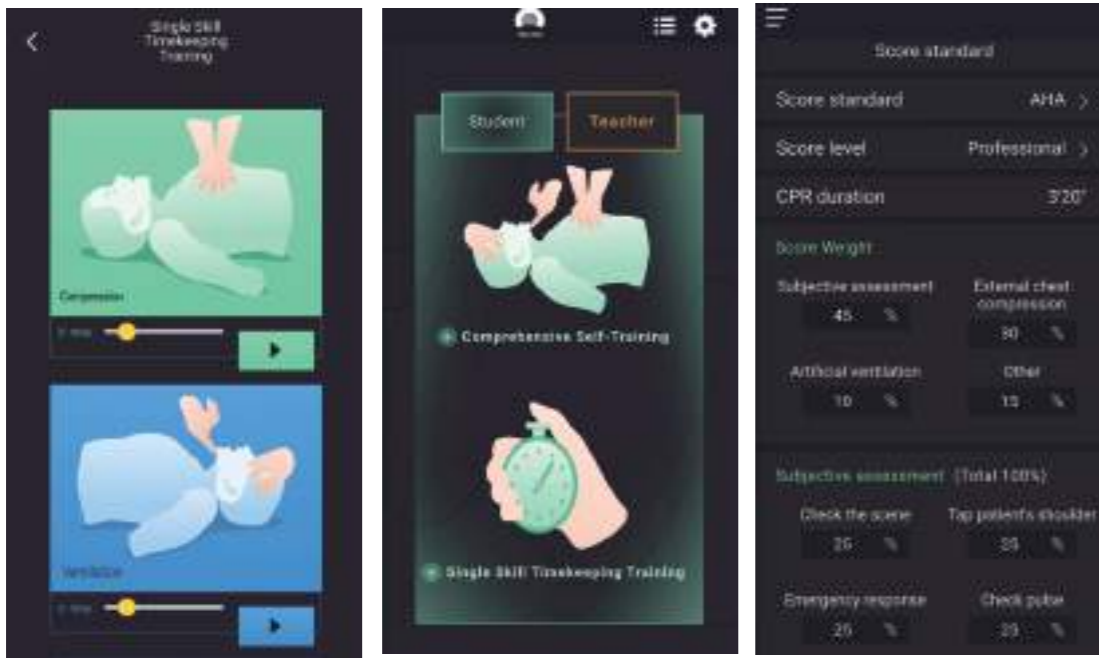
Paket ağırlığı (kg) & Ölçüler (cm)	12.7kg	95G	50D	33Y
------------------------------------	--------	-----	-----	-----

### TEMEL CPR MAKET (TAM BOY) DONATIM İÇERİĞİ

TEMEL CPR MAKETİ (TAM BOY)	1
Şarjer	1
Taşıma ve Koruma Çantası	1
Akciğer Torba/Balonu	5
Kullanım Kılavuzu	1

### TEMEL CPR MAKET SETİ (TAM BOY) DONATIM İÇERİĞİ

TEMEL CPR MAKET SETİ (TAM BOY) (6'lı set)	1
Şarjer	1
Router	1
Taşıma ve Koruma Çantası	1
Akciğer Torba/Balonu	30
Kullanım Kılavuzu	6



## TRAVMATİK KANAMALI AMPÜTE KOL MAKETİ

ÜRÜN KODU No.: EDM1028

### GENEL

Gerçekçi görünümde Ampute ve Travmatik Kanama Kolu kolay, hızlı travma bandajı ve hemostaz simülasyonuna yönelik tasarlanmıştır.



### EĞİTİM BECERİLERİ

- Doğru Turnike Uygulaması ile kanama durdurma simülasyon eğitimi
- Acil sağlık çalışanının travma stabilizasyonunu yönetmeye yönelik hazırlanmıştır.
- Baskı bandajı ile hemostaz eğitimi yapılabilmektedir.

### ÖZELLİKLER

- Öğrencilere/Kursiyerlere gerçekçi uygulama sağlamak için gerekli olan görünüm ve performansın gerçekçiliği
- Kanayan veya kanamayan sunum seçeneği ile ikisinin si nin bir arada karşılaştırılabilmesi
- Ampute bir kol (kullanımı için kanamayı durdurmak için üst kolda dirsek eklemi üzerinde turnike) ve bir travma kolu sarılabilir simülatif açık yara içerir
- Deltoid enjeksiyon simülasyonu

### PAKETLEME ÖZELLİKLERİ

Paket ağırlığı (kg) & Ölçüler(cm)	2.6kg	68.5G	16D	14Y
-----------------------------------	-------	-------	-----	-----

### DONATIM İÇERİĞİ

Travmatik kanamalı kol ve Ampüte üst kol (Birer adet set halinde)	1
İnfüzyon torbası	1
Kullanım Kılavuzu	1

## TRAVMATİK KANAMALI AMPÜTE BACAK MAKETİ

ÜRÜN KODU : EDM1302

### GENEL

Gerçekçi görünümde ampute ve travmatik Kanama bacağı kolay, hızlı travma bandajı ve hemostaz simülasyonuna yönelik tasarlanmıştır.



### BECERİ KAZANIMLARI

- Doğru Turnike Uygulaması ile kanama durdurma simülasyon eğitimi
- Acil sağlık çalışanının travma stabilizasyonunu yönetmeye yönelik hazırlanmıştır.
- Baskı bandajı ile simülatif hemostaz eğitimi yapılabilmektedir.

### ÖZELLİKLER

- Öğrencilere/Kursiyerlere gerçekçi uygulama sağlamak için gerekli olan görünüm ve performansın gerçekçiliği
- Kanayan veya kanamayan sunum seçeneği ile ikisinin si nin bir arada karşılaştırılabilmesi
- Ampute bir bacak (kullanımı için kanamayı durdurmak için üst kolda diz eklemi üzerinde turnike) ve bir travma bacağı sarılabilir simülatif açık yara içerir
- Vastus lateralis kas enjeksiyon simülasyonu

### PAKETLEME ÖZELLİĞİ

Paket ağırlığı (kg) & Ölçüler(cm)	6.9kg	41G	31D	32.5Y
-----------------------------------	-------	-----	-----	-------

### DONATIM İÇERİĞİ

Travmatik kanamalı üst bacak ve ampüte üst bacak (Birer adet set halinde)	1
İnfüzyon torbası	1
Kullanım kılavuzu	1

## HAVAYOLU AÇMA EĞİTİM SİMÜLATÖRÜ (GIYİLEBİLİR)

ÜRÜN KODU: EDM1112

### GENEL

Bu ürün manken veya simüle hasta üzerinde kullanılabilir. Yüksek gerçeklik ve doğrulukta eğitim senaryoları oluşturmaya yardımcı olur ve simüle hastalardan doğrudan geri bildirim sağlar. Cilt, krikoid kıkırdak ve tiroid kıkırdak dahil olmak üzere güvenlik koruma önlemlerine ve doğru anatomik yapılar sahiptir. Gerçekçi geri bildirim ve gerçekçi görünüm, görsel ve dokunsal olarak eğitimin aslına uygunluğunu sağlar. Trakeostomi ile iğne ve cerrahi krikotirotomi ameliyatları yapılabilir. Cilt insizyonu ile simüle kan görülebilir.



### BECERİ KAZANIMLARI

- Trakeostomi
- İğne ve cerrahi krikotirotomi
- Anatomy gerçeklik
- El becerisi geliştirme

### ÖZELLİKLER

- **Anatomi:** Deri, krikoid kıkırdak ve tiroid kıkırdak dahil gerçeğe yakın anatomik yapı
- **Gerçekçilik:** Yüksek kaliteli ve gerçekçi cilt ve trakea
- **Ana Özellikler:**
  - 1) Ürün, mankenlere ve simüle hastalara uygulanabilir.
  - 2) Uygun maliyetli sarf malzemeleri
  - 3) İnsizyon ile Simülatif cilt kanaması görülebilir.
  - 4) Simüle hasta üzerinde bir etki bırakmayacak koruyucu boyunluk düzeneği

### PAKETLEME ÖZELLİKLERİ

Paket ağırlığı (kg) & Ölçüler (cm)	3.7kg	48G	39D	24Y
------------------------------------	-------	-----	-----	-----

### DONATIM ÖZELLİKLERİ

Simülatif Boyunluk	1
Simülatif Trakea	12
Boyun derisi	2
Kullanım Kılavuzu	1

## KAPALI KIRIK TESPİTİ VE OMURİLİK YARALI HASTA TAŞIMA MANKENİ

ÜRÜN KODU : EDM9018

### Outline

Yüksek gerçeklikte tam boy manken, öğrenci ve/veya kursiyerlerin öğrenme ihtiyaçlarına göre farklı konumlara ayarlanabilir. Yaralının ikincil etkilenmelerini önlemek için kapalı kırık tespiti ve muhtemel omurilik yaralanması önlemleri dahil olmak üzere çeşitli ilk yardım eğitimi ve uygulamalarında yaygın olarak kullanılabilir.



### BECERİ KAZANIMLARI

- Omurilik yaralanma şüphesi olan hastanın doğru tutuşla sevke hazırlanması
- Uzun kırıkların hızlı teşhis ve tespiti
- Bilinçli ilk yardım uygulama simülasyonu

### ÖZELLİKLER

- **Gerçekçilik:** Gerçekçi uygulama için görünüm ve doku gerçekçiliği.

#### •Ana Özellikler:

- 1) Ön kolda ulnar ve alt bacağın afibula altında, kemiklerin kırık uçları farkedilir şekilde kapalı kırık simülasyonu
- 2) kırık kemiklerin yüzeyinde gerçekçi sürtünme hissi.
- 3) Boyundaki sensör, boyun yükselme açısını algılayabilmektedir. Açı 30°den büyük olduğunda, alarm uyarısı bulunmaktadır.
- 4) Beldeki sensör alarm uyarısı ile bel eğriliğini algılayabilmektedir.
- 5) Modele atel, boyunluk gibi tespit ekipmanları uygulanabilmektedir.

### PAKETLEME ÖZELLİKLERİ

Paket ağırlığı (kg) & Ölçüler (cm)	24kg	162.5U	54G	48Y
------------------------------------	------	--------	-----	-----

### DONATIM İÇERİĞİ

KAPALI KIRIK TESPİTİ VE OMURİLİK YARALI HASTA TAŞIMA MANKENİ	1
Atel	1
Boyun ateli	1
Giysi	1
Kullanım Kılavuzu	1

# HEMŞİRELİK BECERİLERİ VE BAKIM SİMÜLATÖRLERİ

## ÇOK AMAÇLI HASTA BAKIM SİMÜLATÖRÜ

ÜRÜN KODU : EDM9002

### GENEL

Bu simülatör, tüm temel hemşirelik becerileri için öğretim gereksinimlerini karşılamak üzere tasarlanmıştır. Eklemleri , anatomik pozisyonlara izin verecek şekildedir.



### BECERİ KAZANIMLARI

- Öğrenci ve kursiyerlerin genel hasta üzerinde gözlemlene
- Yüz ve saç temizliği ve bakımı
- Ağız bakımı becerileri eğitimi
- E.Trakeal tüp yerleştirilmesi
- Lavaj/sondaj için oral ve nazal entübasyon
- Oral, nazal ve trakeal aspirasyon
- Oksijen tedavisi
- Trakeotominin ameliyat sonrası bakımı
- kalp/akciğer ve abdominal oskültasyon
- Tansiyon ölçüm simülasyonu
- I.V. enjeksiyon uygulama becerileri
- Intramüsküler enjeksiyon uygulama becerileri
- İleostomi ve kolostominin ameliyat sonrası bakımı
- Gerçeğe yakın görünüm ve his ile değiştirilebilir erkek ve kadın cinsel organı –
- Pupillar değişim gözlemi
- Yüz ve saç temizliği ve bakımı
- Giyilebilir yatak yarası bakım modülü: Y
- Hastanın pozisyonlandırılması
- Holistik bakım beceri eğitimleri ; el ve ayak, perine vd.
- Bütünsel hemşirelik bakımı: sünger banyosu, giysi değişimi hastaya soğuk ve sıcak kompresyon tatbiki
- Üriner Kateterizasyon



### ÖZELLİKLER

#### • Ana Özellikler:

- 1) Esnek bağlantılar farklı pozisyonlara uygunluk
- 2) Değiştirilebilir cilt ve damar yapıları
- 3) İntraket,le girişim imkanı,
- 4) Mankenin Eklemleri Şunları İçerir:

Gövde – döndürme (ileri ve geri), fleksiyon ve ekstansiyon

Boyun – rotasyon (ileri ve geri), fleksiyon ve ekstansiyon

Omuz – abduksiyon, adduksiyon, rotasyon (medial ve lateral), fleksiyon ve ekstansiyon Dirsek – rotasyon (medial ve lateral), fleksiyon ve ekstansiyon

Bilek – fleksiyon ve ekstansiyon, abduksiyon, adduksiyon, rotasyon (medial ve lateral)

Kalça – kaçırma, adduksiyon, döndürme (medial ve lateral), fleksiyon ve ekstansiyon Diz – fleksiyon ve ekstansiyon, döndürme (medial ve lateral)

Ayak bileği – dorsifleksiyon, plantar fleksiyon, abduksiyon, adduksiyon, rotasyon (medial ve lateral) İki standartlaştırılmış modül (her ikisi de diğer ürünlerle birlikte kullanılabilir)



#### Tansiyon ölçüm simülasyonu

- Non-invaziv kan basıncı(tansiyon), gerçek tansiyon aleti ile steteskop ile ölçülebilmektedir.
- Korotkoff sesleri alınabilmektedir.
- Basınç değeri dinamik mmHg ile gösterilir, değer tam olarak 1 mmHg olarak ayarlanabilmektedir.
- Sistolik kan basıncı, diyastolik kan basıncı, hacim ve nabız sayısı ayarlanabilir.
- Ayarlanabilir aralık: 0-300 mmHg
- Sistolik ve diyastolik basınç, hacim ve kalp hızı aynı anda kontrol monitöründeki LED ekranda görüntülenebilmektedir.
- Otomatik kalibrasyon, düşük güç tüketimi. Sistem 10 dakika işlem yapılmadığında kapanacaktır.

#### Oskültasyon Modülü

- Ayarlanmış 54 normal ve anormal oskültatif sesler (kalp sesi (14), solunum sesi (13) ve bağırsak sesi (6) ve hastanın sesi (21))
- Kolay kullanımlı arayüz
- 5 farklı türde ses aynı anda ve herhangi bir kombinasyonda alınabilmekte ve ilgili durum ekranda gösterilmektedir
- Bireysel çalışma için kulaklık kullanılabilir. öğreticinin gösterebildiği seslerin yayınlandığı için ses kontrol kutusu ve simülatörün içinde bir de hoparlör bulunmaktadır.



#### PAKET ÖZELLİKLERİ

Demonte Paket Ağırlığı (kg) & Ölçüler (cm)	20.4kg	92.5 G	55.5D	25.5Y
--	--------	--------	-------	-------

#### DONATIM İÇERİĞİ

ÇOK AMAÇLI HASTA BAKIM SİMÜLATÖRÜ		1
Peruk		1
Basınç puarı		1
Ü.Kateter 16 Fr (30ml)		1
Rektal tüp		1
Giysi		1
Simülatif Kan		2
İntravenöz enjeksiyon kolu	IV kol modülü	1
Sıvı şişesi/torbası		1
Ses Kontrol kutusu	Oskültasyon Modülü	1
Balantı kablosu		1
5V3A güç kaynağı		1
Yatak yarası modülü		1
Tansiyon ölçüm kolu		1
Kontrol kutusu		1
Steteskop	Tansiyon ölçüm Modülü	1
Tansiyon aleti		1
Konvertör		1
Kullanım Kılavuzu		1

## ÇOK AMAÇLI TEMEL HASTA BAKIM SİMÜLATÖRÜ

ÜRÜN KODU ; EDM9002.1

### GENEL

Tüm temel hemşirelik becerileri için öğretim gereksinimlerini karşılamak üzere tasarlanmıştır. Eklemler, simülâtörün çeşitli anatomik pozisyonlarına uygundur.



### BECERİ KAZANIMLARI

- Baş ve yüz temizleme ve bakım Face & hair cleaning and care
- Ağız ve burun boşluğu girişimsel hijyen ve diğer girişimsel işlemleri işlemleri



- Pupillada anizokori demonstrasyonu



- Endotrakeal entubasyon tüp uygulama ve solunum yolu açma
- Lavaj ve gavaj için oran ve nasıl girişimler için oral ve nasal yol açıklığı
- Oral, nasal, and tracheal aspirasyon



- Oksijen inhalasyonu
- Ameliyat sonrası trakeostomi bakımı
- Ameliyat sonrası ileosmi ve kolostomi bakım uygulamaları
- Ü.Kateter simülasyonu için değişebilir anatomik yapısal gerçekçilikte erkek ve kadın genital organları
- Yatakta pozisyon verme simülasyonları
- El ayak ve perine bakım simülasyonları
- Holistic hemşirelik bakım sünger banyosu giysi değiştirme soğuk ve sıcak kompres uygulama simülasyonu

### Features

1) Anatomik hareketlere izin veren eklem bağlantı düzeni Esnek bağlantılar farklı pozisyonlara izin verir.

2) Mankenin eklemleri şunları içerir:

Gövde – döndürme (ileri ve geri), fleksiyon ve ekstansiyon

Boyun – rotasyon (ileri ve geri), fleksiyon ve ekstansiyon

Omuz – abduksiyon, adduksiyon, rotasyon (medial ve lateral), fleksiyon ve ekstansiyon

Dirsek – rotasyon (medial ve lateral), fleksiyon ve ekstansiyon

Bilek – fleksiyon ve ekstansiyon, abdüksiyon, adduksiyon, rotasyon (medial ve lateral)

Kalça – kaçırma, addüksiyon, döndürme (medial ve lateral), fleksiyon ve ekstansiyon

Diz – fleksiyon ve ekstansiyon, rotasyon (medial ve lateral)

Ayak bileği - dorsifleksiyon, plantar fleksiyon, abdüksiyon, adduksiyon, rotasyon

(medial ve lateral)

## VENÜS HEMŞİRELİK GİRİŞİM MANKENİ

ÜRÜN KORU ; EDM9001

### GENEL

Gerçek boyutlu Genel Hasta Bakım Mankeni, hasta taşıma ve transfer konusunda eğitim fırsatları sunan esneklik için tamamen mafsallı uzuvlar ve gövde ile hastanelerin, hemşirelerin ve eğitim tesislerinin hasta bakımı eğitimindeki ihtiyaçlarını karşılamak üzere tasarlanmıştır.



### BECERİ KAZANIMLARI

Venüs Hemşireliği, gerçek hayattaki hemşirelik operasyonlarının uygulanmasını hedefler. Temel bakım ve özel bakım uygulamalarına izin verir.

### ÖZELLİKLER

- Yaklaşık 30 Kg. ağırlık
- Yetişkin tam beden yaklaşık 160 cm boyundadır.
- Genel olarak kadın görünümüne sahip olmakla birlikte değişebilir erkek genital organı ile birlikte sunulmaktadır.
- Hastaduy üzerinde genel hijyenik prosedürler uygulanabilmektedir.
- Normal ve dilate pozisyondaki gözbebekleri
- Yatak banyosu uygulamasına izin veren cilt
- Yatakta giysi değiştime uygulamaları
- Kulak yıkama ve kulağa damla simülasyonu
- Damla uygulamasına müsait göz yapısı
- Parmak ve Ayak Manipülasyonu ve bandaj uygulama



Saç yıkama uygulaması için peruk uygulaması

- Genel vücut bakımı ve perine temizliği uygulaması
- Ağız içi bakım ve Protez Temizleme
- Ağız ve Burun Hijyenik uygulamalar
- Endo trakeal Aspirasyon, trakeal kanül uygulaması



- Oral and nasal intubation for lavage/ gavage



- Artificial carotid pulse
- Allows practice of IV placement, infusion of fluids, and drawing of blood, includes reservoir bags, carrying tray, and simulated blood powder
- Intramuscular Injection Sites: Arm, Thigh, Buttock



- Trakeostomi bakımı ve aspirasyonu



- Ostomi ve kolostomi bakım uygulaması



- Gastrik bakım ve mide yıkama
- Gastik ve nazo gastrik entübasyon
- Enema uygulama



- Erkek ve kadın üriner kateterizasyon uygulaması





- Fundus muayenesi ve değerlendirme becerileri uygulama simülasyonu
- Yumuşak ve esnek pudendum, Pelvik muayene uygulama simülasyonu
- Kapalı torasik drenaj, perikardiyal drenaj, T-tüp drenajı, peritoneal drenaj ve pnömotoraksın drenaj tedavisi bakım simülasyonu
- Spekülüm uygulama simülasyonuna uygun kadın genital yapısı
- Dekübit ülserlerinin bakımı simülasyonu
- Bandaj uygulama simülasyonu için yara modülleri
- Bölgesel yaralanma ve travma modülleri ile kanama durdurma simülasyonu
- Basınçla kanama durduma simülasyonuna yönelik modüller şunlardır.
  - Kanayan Bacak Modeli
  - Kanayan Kol Modeli
  - Yara bakımı ve değerlendirmesi:
- arterial tansiyon simülasyon seti



- Birden çok farklı işleve sahip değiştirilebilir karın duvarı
- Karın kesisi ve sütür modülü
- Abdominal insizyon drenajı modülü
- Abdominal uzunlamasına keskin yaralanma modülü
- Amputasyon bacak diz altından
- Uyluğun lateral kutanöz femoral insizyon modülü
- Uyluğun lateral kutanöz femurunda süpürasyon modülü
- Uyluğun lateral kutanöz femurunun uzunlamasına yara modülü
- Varisli damarlar ve alt ekstremitte ülserleri modülü
- Diyabetik ayak modülü



• Torakal ve abdominal oskültasyon



- 54 adet normal ve anormal kalp, solunum ve barsak seslerine ve hasta seslerinin alınabilmesi simülasyonu
  - 21 çeşit Normal Ses (örn. öksürük, kusma, hıçırma vb.)
  - tip Kalp Sesi (örn. normal kalp sesi, sinüs bradikardisi, sistolik üfürümler vb.)
  - 13 tip Akciğer sesi (ör. normal alveoler solunum, orta su kabarcığı sesi, kaba ıslak ses, vb.)
  - 6 tür Kase sesi (örn. normal bağırsak sesleri, zayıf bağırsak sesleri, fetal kalp sesleri, vb.)
- Kullanıcılar tarafından özelleştirilmiş sesler eklenebilme simülasyonu
- Maksimum beş farklı ses aynı anda dinlenebilme
- Seslerin kulaklıktan veya hoparlörden duyulabilmesi veya doğrudan simülatör tarafından dışa aktarılabilme simülasyonu
- Eklemler Kan Basıncı Eğitim Kolu üzerinde tansiyon uygulama simülasyonu

## PAKETLEME ÖZELLİĞİ

Paket ağırlığı (kg) & ölçüler (cm)	27.1kg	102.5l	54w	48h
------------------------------------	--------	--------	-----	-----

## DONATIM İÇERİĞİ

Venus hemşirelik girişim Mankeni		1
kadın Peruğu		1
Şişirme puarı		1
kateter 16 Fr (30ml)		1
Rektal Tüpnal tube		1
Giysi		1
Ses kontrol kutusu		1
Kablo	oskültasyon simülasyon seti	1
5V3A Güç kaynağı		1
Kontrol box		1
Steteskope	Tansiyon ölçüm simülasyon seti	1
Tansiyonölçer		1
Abdominal yapı modülü	Fundus ve uterus modül seti	1
Fundus of uterus muayene modülü		2
Uterus modülü		1
Abdominal insizyon ve sütür modülü		1
Abdominal insizyon ve drenaj modülü		1
Abdomen bölge kesik yara modülü		1
Colostomi uygulama bodülü		1
Abdomen bölge oskültasyon modülü		1
Yatak yarası kalça modülü	Travma girişim ve bakım modül seti	1
Dizaltı ampütasyon modülü		1
Operatif insizyon ve lateral femoral bacak modülü		1
Süpüratif travmatik bacak modülü		1
Kesik yara bacak modülü		1
varisli alt ekstremitte modülü		1
Diabetik ayak modülü		1
Ampüte doku modülü		1
Travmatik doku modülü		1
Ampüte kol modülü	Kanama durdurma modül seti	1
travmatik kol modülü		1
Sıvı deposu		1
Konverter		1
Kullanım Kılavuzu		1

## YAŞLI BAKIM (Geriatric) HEMŞİRELİK MANKENİ (ERKEK)

Product No.: TYE9005

### Outline

The full-size male nursing manikin has an elderly appearance with skin wrinkles and folds. Complete lifelike range of motions. It is designed to meet the needs of hospitals, nursing and educational facilities in training male geriatric patient care, as well as patient handling and transfer.



### Skills Gained

- This nursing manikin is targeted on the practice of real life nursing operations for male senior patients. It allows exercises of basic care as well as specialized care

### Features

- Face and hair care washing (combing)
- Smooth, washable surface and bed baths
- Clothing changes
- Dilated, constricted and normal pupils
- Hearing aid placement and removal
- Ear canal irrigation, otic drops
- Eye irrigation
- Oral care, denture cleaning
- Oral and nasal hygiene: lavage, gavage, suctioning, tracheal cannula
- Tracheostomy care
- Uncircumcised male urinary catheterization
- Oxygen inhalation therapy
- Intramuscular injection sites: Arm, Thigh, Buttock
- Allows practice of IV placement, infusion of fluids
- Bladder irrigation
- Thoracentesis, bone marrow aspiration, lumbar puncture
- Enema administration
- Prostate examination, prepuce available
- Ostomy care
- Colostomy
- Sacral ulcer
- Various tumors (benign and malicious)
- Skin folds
- Realistic patient positioning
- Simulated joint stiffness

- Fully articulated limbs, move like a person
- Blood pressure skills
  - 1) Independent setup of systolic pressure and diastolic pressure
  - 2) Adjustable systolic pressure and diastolic pressure within 0-300mmHg
  - 3) Adjustable volume of Korotkoff sounds

### Specifications

Packed weight(kg) & dimensions(cm)	25kg	94l	39w	45h
------------------------------------	------	-----	-----	-----

### Components

Full-body Geriatric Nursing Manikin	1
Clothes	1
Nasogastric feeding tube	1
Gastric tube	1
Enema tube	1
Catheterization tube	1
Deltoid block	1
Gluteus maximus block	1
Buttock block	2
Dorsum of hand	1
Infusion set	1
Control box	1
Blood pressure gauge & power adaptor(500mA/DC9V)	1
Stethoscope	1
Hemiplegia suit	1
Walking stick	1
Slippers	1
Bedsore block	4
Operation manual	1



## Advanced Full-body Geriatric Nursing Manikin (Female)

Product No.: TYE9006

### Outline

The full-size female nursing manikin has an elderly appearance with skin wrinkles and folds. Complete lifelike range of motions. It is designed to meet the needs of hospitals, nursing and educational facilities in training female geriatric patient care, as well as patient handling and transfer.



### Skills Gained

- This nursing manikin is targeted on the practice of real life nursing operations for female senior patients. It allows exercises of basic care as well as specialized care

### Features

- Face and hair care washing (combing)
- Smooth, washable surface and bed baths
- Clothing changes
- Dilated, constricted and normal pupils
- Hearing aid placement and removal
- Ear canal irrigation, otic drops
- Eye irrigation
- Oral care, denture cleaning
- Oral and nasal hygiene: lavage, gavage, suctioning, tracheal cannula
- Tracheostomy care
- Female urinary catheterization
- Oxygen inhalation therapy
- Intramuscular injection sites: Arm, Thigh, Buttock
- Allows practice of IV placement, infusion of fluids
- Bladder irrigation
- Thoracentesis, bone marrow aspiration, lumbar puncture
- Enema administration
- Ostomy care
- Colostomy
- Sacral ulcer
- Various tumors (benign and malicious)

- Skin folds
- Realistic patient positioning
- Simulated joint stiffness
- Fully articulated limbs, move like a person
- Blood pressure skills
  - 1) Independent setup of systolic pressure and diastolic pressure
  - 2) Adjustable systolic pressure and diastolic pressure within 0-300mmHg
  - 3) Adjustable volume of Korotkoff sounds

### Specifications

Packed weight(kg) & dimensions(cm)	25kg	94l	39w	45h
------------------------------------	------	-----	-----	-----

### Components

Full-body Geriatric Nursing Manikin	1
Clothes	1
Oxygen therapy catheter	1
Nasogastric feeding tube	1
Gastric tube	1
Enema tube	1
Catheterization tube	1
Deltoid block	1
Gluteus maximus block	1
Buttock block	2
Dorsum of hand	1
Infusion set	1
Fluid reservoir	2
5ml Syringe	1
50ml Syringe	1
Rubber tourniquet	1
Control box	1
Blood pressure gauge & power adaptor(500mA/DC9V)	1
Stethoscope	1
Operation manual	1





## Upper Stump Bandaging Simulator

Product No.: TYE1506

### Outline

Practice and demonstrate standard bandaging procedures.



### Skills Gained

- Stump bandaging training methods including circular oblique, spiral wrappings as well as reverse-spiral and recurrent fold, abdomen multiple-ends bandaging are available

### Features

- Realism of appearance and performance necessary to provide realistic practice for trainees
- The upper torso includes the two arms — one is amputated above the elbow, the other above the wrist. Both arms are slightly extended in a patient-like position to facilitate bandaging
- Operation to fix collarbone, antibrachium, and humerus fracture.

### Specifications

Packed weight(kg) & dimensions(cm)	27.38kg	86.5l	53.5w	35.5h
------------------------------------	---------	-------	-------	-------

### Components

Upper Stump Bandaging Simulator	1
Wig	1

## Lower Stump Bandaging Simulator

Product No.: TYE1507

### Outline

Practice and demonstrate standard bandaging procedures.



### Skills Gained

- Stump bandaging training methods including circular oblique, spiral wrappings as well as reverse-spiral and recurrent fold, abdomen multiple-ends bandaging are available

### Features

- Realism of appearance and performance necessary to provide realistic practice for trainees
- One leg is amputated below the knee; the other at mid-thigh
- The lower torso is representative of a patient in a supine position with legs slightly abducted
- With anatomic landmarks including navel, anterior superior iliac spine, genitalia, buttocks cleft
- May carrying the bandage around the body over the uninvolved hip at the level of the iliac crest

### Specifications

Packed weight(kg) & dimensions(cm)	29kg	86.5l	53.5w	35.5h
------------------------------------	------	-------	-------	-------

### Components

Lower Stump Bandaging Simulator	1
Operation manual	1

## Suction Trainer

Product No.: TYE1505

### Outline

Students can measure nasal, oral and oropharyngeal suctioning with this task trainer. Designed for endotracheal suction practice as well. Effective tool with lifelike tactile qualities for training in airway suction.



### Skills Gained

- A sputum-like substance can be collected by proper suction
- Insertion of a catheter orally, nasally, or through the tracheostomy opening
- Observe the passage of the catheter

### Features

- Realism: Realism of appearance and performance necessary to provide realistic practice for trainees
  - Anatomy: Realistic anatomy including nasal cavity, oral cavity, superior, middle, inferior nasal concha, pharynx, tongue, denture, esophagus, trachea, etc.
  - Key Features:
    - 1) Insertion of a catheter orally, nasally, or through the tracheostomy opening
    - 2) The movement of the catheter tip are directly observed through the "open" side window
    - 3) Simulated sputum can be performed with the simulator
- Versatility: Washable and can be dismantled easily

### Specifications

Packed weight(kg) & dimensions(cm)	4.45kg	46l	41.5w	29h
------------------------------------	--------	-----	-------	-----

### Components

Suction Trainer	1
Mucous extractor	1
Operation manual	1

## Suction Training Manikin

Product No.: TYE9004

### Outline

This male full-body manikin can be placed in a variety of positions. It is designed for suction training and education.



### Skills Gained

- Anatomical familiarity
- Suction skills

### Features

- Anatomy: Life-like airway structures including glottis, larynx, nasal cavity, oral cavity, teeth, tongue, uvula, epiglottis, trachea, esophagus, clavicle, ribs, xiphoid process etc.
- One normal pupil and one dilated pupil
- Oxygen inhalation training can be carried out through mouth and nose
- Suction training through mouth and nasal
- Suction training after tracheotomy
- Manual carotid pulse

### Specifications

Packed weight(kg) & dimensions(cm)	kg	102.5l	54w	45h
------------------------------------	----	--------	-----	-----

### Components

Suction Training Manikin	1
Suction tube for medical use	1
Clothes	1
Syringe 50ml	1
Drainage tube	1
Air pump bulb	1
Cannula	1
User Manual	1

## Multi-purpose Gastric Lavage Trainer

Product No.: TYE1502

### Outline

The simulator is designed for instruction of gastric lavage through nasal and oral passage. It features realistic landmarks in the transparent abdomen "window" including trachea, esophagus, lungs, and stomach etc.

It also designed for practicing of gastrointestinal care procedures via nasal and oral access. For exceptional realism, mucous-like fluids can be simulated as a real patient. Fluid can be added to the lungs and stomach for realistic gastric lavage and suctioning.



### Skills Gained

- Gastrointestinal decompression
- Collection of gastric juice
- Duodenal drainage
- NG tube insertion & irrigation
- Aspiration of oxygen
- Oral hygiene
- Gastric juice sampling
- Oropharyngeal and nasopharyngeal insertion and suctioning
- The simulated fluid can be drained away from digestive tract after the simulation

### Features

- Anatomy: Anatomical structures in the transparent window can be observed including teeth, tongue, uvula, epiglottis, larynx, trachea, bronchia, lungs, esophagus, stomach, diaphragm, liver, gallbladder, pancreas, small intestine and colon etc.
- Realism: Realism of appearance and performance necessary to provide realistic practice for trainees
- Key Features:
  - 1) The simulator is designed as torso body, the distance between central incisor to the stomach is about 45-55 cm, can be posited as 30° semi-sitting and sitting up position
  - 2) Gastric lavage measures including: lavage via oral and nasal passage with stomach pump, electric aspirator, gastric lavage tube and automatic gastrolavage machine

### Specifications

Packed weight(kg) & dimensions(cm)	11.6kg	86.5l	53.5w	35.5h
------------------------------------	--------	-------	-------	-------

### Components

Multi-purpose Gastric Lavage Trainer	1
Gastric tube #16	1
Inflating bulb	1
Fluid reservoir	1
Operation manual	1

## Nasolacrimal Duct Obstruction Trainer

Product No.: TYE1512

### Outline

This model enables trainees to practice syringing of lacrimal passages.



### Skills Gained

- Syringing of lacrimal passages

### Features

- Anatomy: The inner anatomical structure including normal lacrimal canal, two lacrimal ducts with the left and right sides and the bilateral nasolacrimal duct. The angle of each lacrimal duct can be adjustable according to the needle point of view
  - Realism: Realism of appearance and performance necessary to provide realistic practice for trainees
  - Key Features:
    - 1) With correct performance, the liquid can be discharged from nasal cavity and oral cavity
    - 2) Simulated sanies can be performed in the lacrimal passages to upgrade the skill practice
- Versatility: Washable and can be dismantled easily

### Specifications

Packed weight(kg) & dimensions(cm)	5kg	55.5l	43.5w	27.5h
------------------------------------	-----	-------	-------	-------

### Components

Nasolacrimal Duct Obstruction Trainer	1
Dacryosyrinx	1
Operation manual	1

## NG Tube & Oral Care Simulator

Product No.: TYE9003

### Outline

This Simulator has been developed to aid with the instruction, training, and practice of vital NG tube and oral care skills. The simulator is also designed for instruction of gastric care procedures through nasal and oral access.



### Skills Gained

- NG tube insertion and removal
- Feeding tube insertion and removal
- Gastric lavage and gavage
- Orotracheal intubation
- Oral care and dental prosthesis care
- Pupil observation

### Features

- Realism: Glottis, larynx, nasal cavity, oral cavity, dental prosthesis, tongue, uvula, epiglottis, trachea, esophagus, clavicle, ribs, xiphoid, stomach
- Key Features:
  - 1) Stomach may be filled with fluid
  - 2) Artificial carotid pulse
- Versatility: Semireclining and prostration is available, the head can rotate 45° to one side

### Specifications

Packed weight(kg) & dimensions(cm)	15.6kg   102.5l   54w   48h
------------------------------------	-----------------------------

### Components

NG Tube & Oral Care Simulator	1
Clothes	1
Fluid reservoir	1
Disposable infusion set	1
#16 gastric tube	1
Inflating bulb	1
Operation manual	1

## NG Tube & Tracheal Care Simulator

Product No.: TYE1503

### Outline

This Simulator has been developed to aid with the instruction, training, and practice of vital NG tube and tracheal care skills. The simulator is also designed for instruction of gastric care procedures through nasal and oral access.



### Skills Gained

- NG tube insertion and removal
- Feeding tube insertion and removal
- Gastric lavage and gavage
- Oral and nasal intubation

### Features

- Anatomy: Nasal cavity, oral cavity, teeth, tongue, uvula, epiglottis, trachea, bronchia, lungs, esophagus, stomach
- Key Features:
  - 1) Stomach may be filled with fluid
  - 2) Artificial carotid pulse
  - 3) The chest wall can be opened to reveal the stomach and lungs in order to observe operation process and the trainee's performance
- Versatility: Semireclining, prostration and lateral position is available, the head can rotate 45° to one side

### Specifications

Packed weight(kg) & dimensions(cm)	11.85kg   86.5l   53.5w   35.5h
------------------------------------	---------------------------------

### Components

NG Tube & Tracheal Care Simulator	1
#16 gastric tube	1
Inflating bulb	1
Fluid reservoir	1
Operation manual	1



## Blood Pressure Trainer Arm

Product No.: TYE1023.1

### Outline

A training device for teaching blood pressure skills. Provides an excellent means to practice listening and distinguishing blood pressure sound prior to actual clinical experience. This lifelike simulator allows the presetting of variable systolic and diastolic pressures from 0-300 mmHg, incorporating sphygmomanometer placement. With this realistic unit, the student can find the preset results and the instructor can unfailingly know if the student has performed the procedure accurately.



### Skills Gained

- Adjust pulse rate
- Select systolic and diastolic settings
- Turn auscultatory gap on or off
- Easily calibrate unit for use with the sphygmomanometer appointed
- Auscultate Korotkoff sounds with the stethoscope appointed
- Read pressures on sphygmomanometer

### Features

- Realism:
  - 1) Realism of appearance and performance necessary to provide realistic practice for trainees
  - 2) The outer skin has been specially processed to provide a very realistic simulation
- Key Features:
  - 1) Experience vivid blood pressure training with real stethoscope and sphygmomanometer, for auscultatory blood pressure only
  - 2) Digital Korotkoff sound and it is possible to audibly discern the Korotkoff phases
  - 3) Designed for practicing skills including: Cuff placement, Auscultation of Korotkoff sounds, Blood pressure reading etc.
  - 4) Systolic & diastolic pressure, volume and heart rate are displayed on LCD simultaneously
  - 5) Easy calibration and electronic control unit, automatically shuts down after 10-minute stand by status

### Specifications

Packed weight(kg) & dimensions(cm)	2.6kg	69l	16.5w	14.5h
------------------------------------	-------	-----	-------	-------

### Components

Articulating Blood Pressure Trainer Arm	1
Sphygmomanometer	1
Operation manual	1

## Multi-purpose Injection Trainer

Product No.: TYE4007

### Outline

Multiple tissue layers and soft tissue injection pad is designed for practicing of intradermal, subcutaneous, and intramuscular tissue injection techniques.



### Skills Gained

- Intradermal injection
- Subcutaneous injection
- Intramuscular tissue injection

### Features

- Anatomy: Epidermis, dermis, fat and muscle
- Realism: Tissues are soft and flexible to the touch
- Key Features:
  - 1) Epidermis layer peels back to quickly release subcuticular liquid
  - 2) Liquid can be injected into the tissues and squeezed out
- Versatility: Durable replaceable tissue layers
- Strap-on base plate

### Specifications

Packed weight(kg) & dimensions(cm)	0.55kg	28.5l	16w	14.5h
------------------------------------	--------	-------	-----	-------

### Components

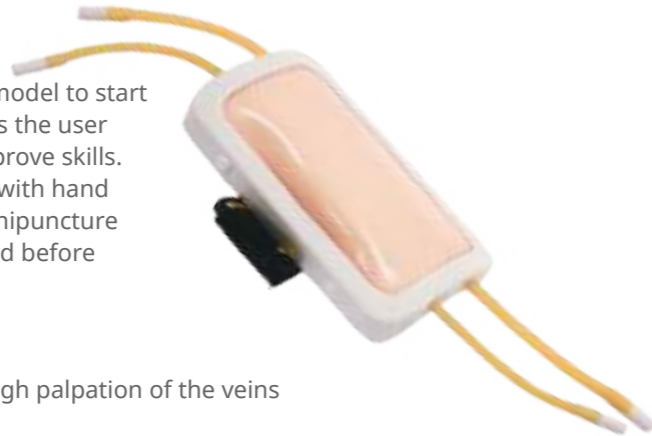
Multi-purpose Injection Trainer	1
1ml syringe	1
2ml syringe	1
Operation manual	1

## Venipuncture Pad

Product No.: TYE1027

### Outline

This valuable aid pad is an excellent model to start practice an IV skill. The model enables the user to increase the difficulty and thus improve skills. It has realistically mimic a lower arm with hand which permit detailed exercises in venipuncture so that the technique can be mastered before actually administering to patients.



### Skills Gained

- Identify puncture locations through palpation of the veins
- Venipuncture practice
- Vein roll-over

### Features

- Realism: Realism of appearance and performance necessary to provide realistic practice for trainees
- Key Features:
  - 1) Easy to wear and use
  - 2) This model has two different-sized veins positioned at the same depth
  - 3) Realistic characteristic "pop" can be felt when needle penetrates veins
  - 4) Produces a realistic backflow of blood or fluid injected in the syringe
  - 5) Innovative material offers less needle drag when accessing veins and improved tear resistance, which prolong the usage

### Specifications

Packed weight(kg) & dimensions(cm)	2kg	28.5l	16w	14h
------------------------------------	-----	-------	-----	-----

### Components

Venipuncture Pad	1
5ml syringe	1
Scalp Needle	1
Spare vein (Thin)	1
Spare vein (Thick)	1
Spare skin	1
Operation manual	1

### Spares

02080008	Spare Vein (Thin)
	Spare Vein (Thick)
02080007	Spare Skin

## Strap-on Intramuscular Injection Simulator

Product No.: TYE1021

### Outline

Easily be worn and ideal for trainees to understand the anxiety of real patients. In addition, this high-quality simulator can also be strapped onto the upper arm of an SP (Standardized Patient) or a life-size task trainer with all important palpable anatomical landmarks such as the acromion and deltoid. It allows practicing correct intramuscular and subcutaneous injections.



### Skills Gained

- Deltoid muscle injection

### Features

- Realism: Realism of appearance and performance necessary to provide realistic practice for trainees
- Key Features:
  - 1) Produces a realistic backflow of blood or fluid injected in the syringe
  - 2) Subcutaneous & intramuscular injection skills can be enhanced with the soft, life like skin and the natural bony landmarks
  - 3) Lights in green when correct injection and depth. Lights in red and a buzzer to provide feedback on bone contact, wrong localization or too deep injection
  - 4) Simulated liquid can be injected and later been drained away

### Specifications

Packed weight(kg) & dimensions(cm)	0.75kg	44.5l	16.5w	16h
------------------------------------	--------	-------	-------	-----

### Components

Strap-on Intramuscular Injection Simulator	1
2ml syringe	1
Operation manual	1

## Intradermal Injection Training Arm

Product No.: TYE1024

### Outline

Trainees can practice intradermal injections safely and conveniently with this simulator. The unit consists of the right forearm and palm.



### Skills Gained

- Intradermal Injection

### Features

- Realism: Soft skin provides realistic feel and appearance ensure a realistic training experience
- Key Features:
  - 1) Correct injection will produce a skin welt
  - 2) Rotatable pad is used for repeated use
- Versatility: Injection pad is easy to replace

### Specifications

Packed weight(kg) & dimensions(cm)	1.15kg	44l	16w	15.5h
------------------------------------	--------	-----	-----	-------

### Components

Intradermal Injection Training Arm	1
Spare skin	2
1ml syringe	1
Operation manual	1

### Spares

02050027	Spare skin
----------	------------

## IV Injection Training Hand

Product No.: TYE1025

### Outline

This valuable task trainer is ideal for practice in giving Intravenous puncture on the lower arm and hand. It has a realistically mimic lower arm with providing complete venous access for IV therapy which permit detailed exercises in venipuncture so that the technique can be mastered before actually administering to patients.



### Skills Gained

- Identify puncture locations through palpation of the veins at both lower arm and hand
- Venipuncture Practice in superficial vein of the lower arm
- Vein roll-over

### Features

- Realism: Realism of appearance and performance necessary to provide realistic practice for trainees
- Key Features:
  - 1) Easy to set up and use
  - 2) Realistic characteristic "pop" can be felt when needle penetrates veins
  - 3) Produces a realistic backflow of blood or fluid injected in the syringe
  - 4) The hand skin and the veins can be easily removed and replaced after use

### Specifications

Packed weight(kg) & dimensions(cm)	2.9kg	35l	19.5w	24.5h
------------------------------------	-------	-----	-------	-------

### Components

IV Injection Training Hand	1
Spare skin	1
Spare vein	1
Fluid reservoir	2
Scalp needle	1
Operation manual	1

### Spares

02010518	Spare skin
02080006	Spare vein

## IV Training Arm

Product No.: TYE1010.10

### Outline

This valuable task trainer is ideal for practice in giving Intravenous puncture. It realistically mimics an arm providing complete venous access for IV therapy which permits detailed exercises in venipuncture so that the technique can be mastered before actually administering to patients. The venipuncture can also be performed along the median cephalic, median basilic, and median cubital veins.



### Skills Gained

- Identify puncture locations through palpation of the veins
- Venipuncture
- IV cannulation
- IV infusion
- Deltoid muscle injection

### Features

- Realism of appearance and performance necessary to provide realistic practice for trainees
- Key Features:
  - 1) Realistic characteristic “pop” can be felt when needle penetrates veins
  - 2) Produces a realistic backflow of blood or fluid injected in the syringe
  - 3) The hand skin and the veins can be easily removed and replaced after use
  - 4) Intramuscular injections may be performed in the deltoid muscle

### Specifications

Packed weight(kg) & dimensions(cm)	2.6kg	77.5l	18.5w	17.5h
------------------------------------	-------	-------	-------	-------

### Components

IV Training Arm	1
Spare skin	1
Spare vein	1
Spare deltoid pad	1
Fluid reservoir	2
Scalp needle	1

### Spares

02080186	Spare skin
01005291	Spare vein
02080176	Spare deltoid pad

## Advanced IV Training Arm



Product No.: TYE1010.50

### Outline

The Advanced IV Training Arm is designed for intravenous puncture and infusion training. It simulates a real Asian adult arm with true-to-life appearance and texture. Trainees can experience actual IV operations and venipuncture as they would with a real patient.

### Skills Gained

- Identify puncture locations through palpation of the veins
- Venipuncture and IV infusion
- Correctly use tourniquet

### Features

- Realism: Realism of appearance necessary to provide realistic practice for trainees
- Key Features:
  - 1) It can be used to perform puncture and infusion training of the dorsal venous network of hand, cephalic vein in the elbow, median cubital vein and basilic vein.
  - 2) When performing vein puncture on the back of hand, fingers can be bent to tighten the skin; when performing vein puncture in the elbow, the arm can be rotated to find correct puncture position
  - 3) The disinfection process can be simulated before puncture operation, and the traces left behind can be easily removed
  - 4) Blood vessels can be seen and can be located by palpation
  - 5) It produces a realistic backflow of blood in the syringe after correctly placed the tourniquet and punctured. If the tourniquet is not ligated or ligated in an incorrect position, backflow of blood cannot be seen
  - 6) After the successful puncture, loosen the tourniquet and continuous intravenous infusion can be simulated with adjustable 0-100 drops/min. If the tourniquet is not released, the infusion cannot be performed
  - 7) The syringe needle and injector can be well fixed on the sites
  - 8) Blood vessels are durable and can be punctured repeatedly
  - 9) During the whole operation, no external blood bag, water bag or other auxiliaries are necessary, easy to be carried
  - 10) A continuous flow (at least 200ml) of fluid and the trainee can complete the whole training by himself without being interfered by another person whom used to help to drain the external fluid bag
  - 11) The hand and elbow modules can be easily removed and replaced after use
  - 12) The skin on the back of the hand includes thin and thickened one, offering two choices for puncture. The thin skin can support a smaller puncture angle to ensure that blood return happens within 15-30 angle of needle insertion during puncture.



### Specifications

Packed weight(kg) & dimensions(cm)	5.8kg	87l	27w	24h
------------------------------------	-------	-----	-----	-----

### Components

Advanced IV Training Arm	1
Spare Hand (Standard)	1
Spare Elbow (Standard)	1
Spare Hand (with thickened vessels)	1
Spare Elbow (with thickened vessels)	1
Infusion Set	1
50ml syringe	1
Tape (30pcs/box)	2
Infusion Indwelling Needle	2
Charger	1
Operation Manual	1

### Spares

02060479	Spare Hand (Standard)
02060478	Spare Elbow (Standard)
02060481	Spare Hand (with thickened vessels)
02060480	Spare Elbow (with thickened vessels)

## All-purpose IV Training Arm

Product No.: TYE1026

### Outline

The All-purpose IV Training Arm is designed for intravenous puncture and injection training. It simulates a real arm with true-to-life size, appearance and texture. Trainees can experience actual IV operations and venipuncture as they would with a real patient.



### Skills Gained

- Venipuncture
- Puncture location identification through palpation of the veins
- IV infusion
- Deltoid muscle injection
- Intradermal injection

### Features

- Realism of appearance and texture for realistic practice
- Key Features:
  - 1) Realistic “pop” can be felt as the needle penetrates the veins
  - 2) Vascular system in the arm and vascular network at the back of hand
  - 3) Proper insertion will produce backflow of blood and the needle can be fixed with medical tapes
  - 4) Its venous system includes eight blood vessels with correct anatomical structures
  - 5) The fingers can be bended as a real human
  - 6) Deltoid muscle injection and intradermal injection can be performed

### Specifications

Packed weight(kg) & dimensions(cm)	4.5kg	83.5l	19w	14.5h
------------------------------------	-------	-------	-----	-------

### Components

All-purpose IV Training Arm	1
Scalp needle	1
Syringe	2
Disposal syringe	1
Skin pad	1
Fluid reservoir	1
Operation manual	1

### Spares

02080001	Spare skin
02080177	Deltoid pad
02040212	Intradermal injection pad
02080002	Spare vein kit
01001788	Spare vein (5*7mm)
01001754	Valve stand with 16 holes
02120080	Water valve plug
02120027	Arm connector

## Intramuscular Injection of Upper Arm Muscles

Product No.: TYE1022

### Outline

This simulator is designed for practice of intramuscular and hypodermic injections on the upper arm. The inner anatomical structure of thorax and upper arm is shown to teach proper injection so the trainee can make an accurate choice of injection to avoid the danger of injecting the needle into nerves and veins in the upper arm muscles.



### Skills Gained

- Deltoid muscle injection
- Intramuscular injection
- Significant landmarks including acromion and deltoid can be palpated. The inner nerve, blood vessels and bone of the upper torso can be observed, including: cervical, thoracic lumbar vertebrae, brachial plexus, subscapular nerve, axillary nerve, median nerve, ulnar nerve, radial nerve, superior vena cava, internal jugular vein, subclavian vein, axillary vein, median cubital vein, basilic vein, cephalic vein, aorta, vertebral artery, axillary artery, etc.

### Features

- Realism:
  - 1) Realism of appearance and performance necessary to provide realistic practice for trainees
  - 2) Subcutaneous & intramuscular injection skills can be enhanced with the soft, lifelike skin and the natural bony landmarks
- Key Features:
  - 1) The outer skin has been specially processed to provide a very realistic simulation, and it leaves no injection marks, thus to keep the model in good condition
  - 2) The acromion apophysis and deltoid muscle are included making it possible to confirm injection spots by palpation
  - 3) Lights in green when correct injection and depth. Lights in red and a buzzer to provide feedback on bone contact, wrong localization or too deep injection
  - 4) Simulated liquid can be injected and later been drained away
  - 5) When an injection is made in a wrong spot or if it's made too deep, a red light will turn on, a buzzer sounds a warning, and a nerve lamp displays where the error has been made. The model also displays a green light for injections made in safe spots. These indicators reinforce correct technique and prevent users from making the same mistakes

### Specifications

Packed weight(kg) & dimensions(cm)	8.9kg	81.5l	62.5w	34h
------------------------------------	-------	-------	-------	-----

### Components

Intramuscular Injection of Upper Arm Muscles	1
2ml syringe	1
Operation manual	1

## Arterial Puncture Arm

Product No.: TYE1020

### Outline

This valuable task trainer is ideal for practice and demonstration in drawing arterial blood samples for monitoring blood gases analysis.



### Skills Gained

- Confirming proper needle location in the artery
- Identify puncture locations through palpation of the pulse at the radial sites

### Features

- Realism: Realism of appearance and performance necessary to provide realistic practice for trainees
- Key Features:
  - 1) Easy to set up and use
  - 2) Realistic arterial pressure produces a realistic backflow of blood in the syringe
  - 3) The hand skin and artery can be easily removed and replaced after use

### Specifications

Packed weight(kg) & dimensions(cm)	4.24kg	76.5l	18.5w	18h
------------------------------------	--------	-------	-------	-----

### Components

Arterial Puncture Arm	1
Inflating bulb	1
2ml syringe	1
Fluid reservoir	1
Operation manual	1

### Spares

02080012	Spare skin
02080013	Spare vein

## Advanced Arterial Puncture Arm



Product No.: TYE1020.1

### Outline

This model is ideal for practice and demonstration in arterial puncture and drawing arterial blood samples for monitoring blood gases analysis.

### Skills Gained

- Confirming proper needle location in the artery
- Identifying puncture locations through palpation of the pulse at the radial sites

### Features

- Realism: Realism of appearance and performance necessary to provide realistic practice for trainees
- Anatomy: Rasceta, radial styloid process
- Key Features:
  - 1) The model can automatically generate radial artery pulsation which can be adjusted from 1 to 3 grade. Different pulsation grade can produce different arterial blood pressure, and you can experience different pulse during puncture
  - 2) Radial artery pulsation can be palpated at the wrist. Puncture at the pulsating position, a discernable "pop" can be felt when entering the blood vessel
  - 3) It supports the collection of arterial blood samples in the radial artery
  - 4) The interior of the puncture site has liquid leakage-proof design, which is durable
  - 5) The puncture position is easy to replace
  - 6) The shoulder has a transparent visual window to observe the liquid level of the simulated blood, convenient for refilling the liquid in time
  - 7) Powered by built-in lithium battery, it can work continuously for no less than 3 hours



### Specifications

Packed weight(kg) & dimensions(cm)	7kg	88l	22.5w	23h
------------------------------------	-----	-----	-------	-----

### Components

Arterial Puncture Arm	1
Hand module	1
Elbow module	1
Syringe	1
Charger	1
Adhesive tape	1
Operation Manual	1

## Venipuncture Training Arm with Circulation Vein

Product No.: TYE4721

### Outline

This IV arm not only simulates blood collections, intravenous injection, and infusion but also provides intradermal injection training. It offers a complete & realistic venous access for trainees. The arm is designed to allow training in real clinical settings, with delicate needle-tip resistance and feature soft material with realistic tactile feeling. The circulation vein device offers leak-free veins with easy setup and maintenance.



### Skills Gained

- Identify puncture locations through palpation of the veins
- Intradermal injection
- Venipuncture and indwelling needle

### Features

- Realism: Realism of appearance and performance necessary to provide realistic practice for trainees
- Key Features:
  - 1) Realistic characteristic “pop” can be felt when needle penetrates veins
  - 2) Produces a realistic backflow of blood or fluid injected in the syringe
  - 3) This arm features various sites for practicing intracutaneous injections safely. The intradermal injection sites are located in the upper arm. If fluid is properly injected, a characteristic skin welt will form. The welt is removed by withdrawing the fluid after practice. Each site is reusable by dozens of students
  - 4) The venous system simplifies setup with only one external fluid bag supplying artificial blood to all veins simultaneously

### Specifications

Packed weight(kg) & dimensions(cm)	7kg	88l	22.5w	23h
------------------------------------	-----	-----	-------	-----

### Components

Venipuncture Training Arm with Circulation Vein	1
Spare vessel	1
Operation manual	1

### Spares

05016957	Spare skin
05016958	Spare vein

## Arterial Puncture Training Arm with Circulation Artery

Product No.: TYE4624

### Outline

Radial artery puncture is a common approach for blood collection and artery catheterization. Air bulb is used to simulate radial arterial pulsation, which makes the identification of puncture location more convenient. The rotatable vessel device enables the model for longtime use.



### Skills Gained

- Radial artery puncture with true-to-life feeling
- Arterial blood collection
- Radial line placement

### Features

- Anatomy: Radial artery, hand
- Realism: Realistic resistance of tissue and artery wall felt with the injection needle
- Key features: Rotatable valves are used to prevent leakage of blood after repeated use
- Versatility: Vessels and skin pads are easy to replace
- Strap-on base plate for fluid bag and arm

### Specifications

Packed weight(kg) & dimensions(cm)	6kg	88l	22.5w	23h
------------------------------------	-----	-----	-------	-----

### Components

Arterial Puncture Training Arm with Circulation Artery	1
Spare vessel	1
Operation manual	1

## IV Training Hand Model with Alarm

Product No.: TYE4727

### Outline

Designed for practice of venipuncture with alarm instrument.

### Skills Gained

- Venipuncture



### Features

- Durable and realistic material provides a good training of venipuncture
- The alarm instrument will indicate whether the operation is correct

## IV Training Leg

Product No.: TYE4719

### Outline

Lifelike reproduction of an Asian adult left leg. Practice venipuncture, sampling and transfusion on the leg.



### Skills Gained

- Lower limb venipuncture

### Features

- Anatomy: Great saphenous vein, small saphenous vein, dorsal vein of foot, medial superficial femoral vein, lateral superficial femoral vein
- Realism:
  - 1) Realistic soft, flexible skin texture
  - 2) A "pop" is felt as the needle enters the vein with a realistic flashback of blood confirming proper needle placement
- Key Features: External fluid bag supplies artificial blood to the veins simultaneously
- Versatility: Durable replaceable skin and vessels

### Specifications

Packed weight(kg) & dimensions(cm)	2.4kg	70l	16.5w	14h
------------------------------------	-------	-----	-------	-----

### Components

IV Training Leg	1
Infusion support	1
Infusion bottle	1
Dust-proof pad	1
Operation manual	1



## Buttock Mate Intramuscular Injection Model

Product No.: TYE1822

### Outline

This high-tech realistic medical model is perfect for teaching and practicing the proper injection skills on the gluteus and the method of avoid nerves and veins.



### Skills Gained

- Intramuscular injection in the gluteus maximus, gluteus medius, gluteus minimus
- Precise placement of needle to avoid median nerve

### Features

- Anatomy: Pelvis, lumbar vertebrae, sacrum, coccyx, pubic symphysis, hip muscles, femoral, sciatic nerve, superior gluteal nerve, artery, vein
- Realism: Real feel skin covering for added realism
- Key Features:
  - 1) The left side is transparent to allow the trainer to observe the internal anatomical structure
  - 2) Green LEDs light up when correct injection sites have been acquired, the Red LEDs light up with a buzzer sounds when incorrect injection sites have been acquired
  - 3) The trainee can infuse real liquid, the infused liquid will be collected in a small tank inside the model and will be drained out from related tube after finished training
  - 4) Durable material for multi-injection and leave no needle marks after injection
- Versatility: Durable replaceable tissue layers

### Specifications

Packed weight(kg) & dimensions(cm)	5.05kg	46l	41.5w	29h
------------------------------------	--------	-----	-------	-----

### Components

Buttock Mate Intramuscular Injection Model	1
Screwdriver	1
2ml syringe	1
Operation manual	1

## Buttock Injection Model (with Anatomical Structure)

Product No.: TYE1821

### Outline

Designed for practicing injection techniques in gluteus maximus, gluteus medius, gluteus minimus and vastus lateralis and learning the interrelated anatomy.



### Skills Gained

- Intramuscular injection in the gluteus maximus, gluteus medius, gluteus minimus
- Vastus lateralis intramuscular injection
- Identifying anatomical landmarks

### Features

- Anatomy: Sciatic nerve, gluteal nerve, gluteus medius, gluteus minimus, piriformis, superior gemellus
- Realism: Soft and real feel skin is warm to touch
- Key Features:
  - 1) The left side of the model shows internal structure and the other side is used for injection
  - 2) The following key anatomical landmarks are realistic to palpate anterior superior iliac spine, vertex of iliac crest, tailbone, greater trochanter, posterior superior iliac spine. The area of muscular injection can be identified by cross and line method
  - 3) The trainee can infuse real liquid
  - 4) Durable material for multi-injection and leave no needle marks after injection
- Versatility: Replaceable pad for intragluteal injection and vastus lateralis intramuscular injection

### Specifications

Packed weight(kg) & dimensions(cm)	16kg	44.5l	36.8w	68.5h
------------------------------------	------	-------	-------	-------

### Components

Buttock Injection Model	1
5ml syringe	1
Buttock injection module	1
Leg injection module	1
Operation manual	1

### Spares

02050256	Buttock injection insert
02050257	Thigh injection insert

## Mate Injection Model (Buttock-wearing Type)

Product No.: TYE1823

### Outline

Ideal for trainees to wear in order to create real simulation scenario to understand the anxiety of real patients. Lights and a buzzer provide feedback on correct and incorrect approaches.



### Skills Gained

- Intramuscular injection in the gluteus maximus, gluteus medius, gluteus minimus
- Professional-to-patient communication

### Features

- Anatomy: Crista iliaca, apical side of anal cleft
- Realism: High elastic composites and feel realistic
- Key Features:
  - 1) Green LEDs light up when correct injection sites and deepness have been acquired, the flashing Red LEDs light up with a buzzer sounds when incorrect injection sites and deepness have been acquired
  - 2) Durable material for multi-injection and leave no needle marks
  - 3) Simulated injection liquid can be injected into it and released through tube

### Specifications

Packed weight(kg) & dimensions(cm)	3.5kg	48l	38.5w	24h
------------------------------------	-------	-----	-------	-----

### Components

Mate Injection Model	1
2ml syringe	1
Operation manual	1

## Transparent Male Catheterization Model

Product No.: TYE1824

### Outline

This transparent model allows observing anatomical pelvic structure and practicing of the proper insertion. Trainees can experience actual resistance and pressure as they would with a real patient.



### Skills Gained

- Catheter placement
- Withdrawal of catheter
- Bladder irrigation
- Correct handling of anatomy

### Features

- Anatomy: Ureter, bladder, urethra, genitals
- Realism: Supple urethra and resistant sphincter providing realistic response
- Key Features:
  - 1) Urine (water) actually comes out when catheter is inserted properly
  - 2) Trainees can feel realistic urethrostenosis and curvature
  - 3) The penis can be adjusted to make an angle of 60° with abdomen
  - 4) An external fluid bag provides simulated urine, using non-return valve technology to ensure that the catheter is removed without leakage

### Specifications

Packed weight(kg) & dimensions(cm)	5.8kg	58.5l	48w	31.5h
------------------------------------	-------	-------	-----	-------

### Components

Transparent Male Catheterization Model	1
Catheter 16 Fr (30ml)	1
Fluid reservoir	1
Operation manual	1

## Transparent Female Catheterization Model

Product No.: TYE1825

### Outline

This transparent model allows observing anatomical pelvic structure and practicing of the proper insertion. Trainees can experience actual resistance and pressure as they would with a real patient.



### Skills Gained

- Catheter placement
- Withdrawal of catheter
- Bladder irrigation
- Correct handling of anatomy

### Features

- Anatomy: Pudendum, perineum, labia, clitoris, urethral orifice, bladder
- Realism: Supple urethra and resistant sphincter providing realistic response
- Key Features:
  - 1) Urine (water) actually comes out when catheter is inserted properly
  - 2) An external fluid bag provides simulated urine, using non-return valve technology to ensure that the catheter is removed without leakage

### Specifications

Packed weight(kg) & dimensions(cm)	5.2kg	58.5l	48w	31.5h
------------------------------------	-------	-------	-----	-------

### Components

Transparent Female Catheterization Model	1
Catheter 16 Fr (30ml)	1
Fluid reservoir	1
Operation manual	1

## Advanced Male Catheterization Model NEW

Product No.: TYE1826.1

### Outline

The model simulates the lower abdomen and pelvis of an adult male with true-to-life size and texture of genitals and perineum. It facilitates the practice of catheterization. Trainees can experience actual resistance and pressure as they would with a real patient. The genitalia are realistically soft and pliable.



### Skills Gained

- Catheter placement
- Withdrawal of catheter
- Bladder irrigation
- Anatomical understanding

### Features

- Anatomy: Genitals, perineum, bladder
- Realism: Supple urethra and resistant sphincter providing realistic response
- Key Features:
  - 1) Urine (water) actually comes out when catheter is inserted properly.
  - 2) The penis can be adjusted to make an angle of 60° with abdomen, easy to insert catheter.
  - 3) An external fluid bag provides simulated urine, using non-return valve technology to ensure that the catheter is removed without leakage.
  - 4) Except using external fluid bag, built-in fluid reservoir can also provide simulated urine.
  - 5) Genitals can be removed for easy cleaning and maintenance.

### Specifications

Packed weight(kg) & dimensions(cm)	5.1kg	55l	44w	29h
------------------------------------	-------	-----	-----	-----

### Components

Advanced Male Catheterization Model	1
Refiller	1
Catheter 16 Fr (30ml)	1
Fluid reservoir	1
Operation manual	1

### Spares

02050266	Simulated male genital
----------	------------------------

## Advanced Female Catheterization Model NEW

Product No.: TYE1826.2

### Outline

The model simulates the lower abdomen and pelvis of an adult female with true-to-life size and texture of pudendum and perineum. It facilitates the practice of catheterization. Trainees can experience actual resistance and pressure as they would with a real patient. The genitalia are realistically soft and pliable.

### Skills Gained

- Anatomical understanding
- Catheter placement
- Withdrawal of catheter
- Bladder irrigation



### Features

- Anatomy: Pudendum, perineum, labia, clitoris, urethral orifice, bladder
- Realism: Supple urethra and resistant sphincter providing realistic response
- Key Features:
  - 1) Urine (water) actually comes out when catheter is inserted properly.
  - 2) An external fluid bag provides simulated urine, using non-return valve technology to ensure that the catheter is removed without leakage.
  - 3) Except using external fluid bag, built-in fluid reservoir can also provide simulated urine.
  - 4) Pudendum can be removed for easy cleaning and maintenance.

### Specifications

Packed weight(kg) & dimensions(cm)	5.6kg	58l	48w	33h
------------------------------------	-------	-----	-----	-----

### Components

Advanced Female Catheterization Model	1
Refiller	1
Catheter 16 Fr (30ml)	1
Fluid reservoir	1
Operation manual	1

### Spares

02050268	Simulated female genital
----------	--------------------------

## Catheterization Model NEW

Product No.: TYE1826

### Outline

The model simulates the lower abdomen and pelvis of an adult male or female with true-to-life size and texture of perineum. It facilitates the practice of catheterization. Trainees can experience actual resistance and pressure as they would with a real patient.

### Skills Gained

- Catheter placement
- Withdrawal of catheter
- Bladder irrigation
- Anatomical understanding



### Features

- Anatomy: Genitals, perineum, soft and movable prepuce, urethral orifice, bladder for male; pudendum, perineum, labia, clitoris, urethral orifice, bladder for female.
- Realism:
  - 1) Elastic reservoir inside can simulate the function of bladder detrusor.
  - 2) High-quality and durable material provides realistic feel and touch.
- Key Features:
  - 1) Interchangeable genitalia
  - 2) Urine (water) actually comes out when catheter is inserted properly.
  - 3) One-way valve guarantees no liquid leakage once the catheter is removed.
  - 4) The penis can be adjusted to make an angle of 60° with abdomen.
  - 5) An external fluid bag can be connected to provide uninterrupted "urine".
  - 6) Genitals can be removed for easy cleaning and maintenance.
  - 7) Compatible with different types of dual-lumen catheters and three cava balloon urinary catheters.
  - 8) Soft and movable prepuce for better exposure of urethral orifice and coronary sulcus

### Specifications

Packed weight(kg) & dimensions(cm)	9.8kg	58.5l	48w	31.5h
------------------------------------	-------	-------	-----	-------

### Components

Catheterization Model	1	Refiller	1
Male genitalia	1	Catheter	1
Female genitalia	1	User Manual	1
Fluid reservoir	1		

### Spares

02050623	Advanced simulated male genitalia
02050624	Advanced simulated female genitalia

## Advanced Wearable Male Catheterization Model

Product No.: TYE4697

### Outline

The model facilitates the practicing of catheterization. Trainees can experience actual resistance and pressure as they would with a real patient. The genitalia is realistically soft and pliable.

### Skills Gained

- Catheter placement
- Withdrawal of catheter
- Genital care

### Features

- Strap-on base plate



## Advanced Wearable Female Catheterization Model

Product No.: TYE4699

### Outline

The model facilitates the practicing of catheterization. Trainees can experience actual resistance and pressure as they would with a real patient. The genitalia is realistically soft and pliable.

### Skills Gained

- Catheter placement
- Withdrawal of catheter
- Vulva care

### Features

- Strap-on base plate



## Enema Administration Model

Product No.: TYE1819

### Outline

The anatomical structure of this model is lifelike. Trainees can realistically practice administering an enema using this lifelike model. A buttock pad is supplied to make the simulator stable.

### Skills Gained

- Enema procedures: large & small volume enema retention & non-retention enema

### Features

- Anatomy: Anus, crissum wrinkle, anal canal, recta
- Realism: Silicone skin and lifelike shape makes palpation realistic
- Key Features:
  - 1) The normalcy of anus is in a closed state, it is necessary to open anus through the insertion of finger or enema
  - 2) Trainees can experience actual resistance and pressure under enema procedure
  - 3) Using non-return valve technology to ensure that the catheter is removed without leakage
  - 4) Real liquid can be injected into liquid bag inside of the simulator. The liquid can be released from outlet so that the large number of enema is achievable
  - 5) The insertion depth of enema tube is different, up to 20cm



### Specifications

Packed weight(kg) & dimensions(cm)	5.2kg	46.5l	40.5w	40.5h
------------------------------------	-------	-------	-------	-------

### Components

Enema Administration Model	1
Silicone support block	1
Anal tube	1
Fluid reservoir	1
Operation manual	1

## Enema and Assisted Defecation Training Model

Product No.: TYE4742

### Outline

For training of enema and assisted defecation.



### Skills Gained

- Enema
- Assisted defecation

### Features

- Anatomy: Real human size with accurate anatomical structure
- Key Features:
  - 1) Represents long-term bedridden patients or aged and weak patients
  - 2) Lifelike model can display the position of standard enema
  - 3) Injectable glycerine enema (glycerine can be drained from the liquid discharge pipe by the side of the abdomen)
  - 4) The abdominal wall can be opened, and the end of the enema catheter can be seen from the transparent intestines
  - 5) Simulated feces can be put inside the intestines and taken out from the anus with appropriate skills
  - 6) Can be used to practice inserting finger into the rectum to remove stool
  - 7) It is convenient for dismounting and cleaning

## Advanced Wearable Artificial Defecation Training Model

Product No.: TYE4709

### Outline

For practice and training of artificial defecation.



### Skills Gained

- Artificial defecation

### Features

- Wearable design suitable for a group of two students to practice
- Soft skin made from imported material ensures real experience
- Come with cloth elastic, length and tightness of which can be adjusted

## Bed sore Cleansing and Dressing Model

Product No.: TYE4705

### Outline

This model can be used to practice washing and treating different types of pressure sores, including sinus, fistula, scab, bed sore infection, bone exposure, eschars, sutured wounds, blebs, and candida infections. Trainees can correctly recognize the pressure sores so as to enhance the sense of responsibility for patients and prevent the occurrence of pressure sores.



### Skills Gained

- Wound identification and assessment
- Measurement of wound
- Routine cleansing
- Dressing techniques

### Features

- Anatomy: Buttocks of the aged
- Realism: Soft skin and fidelity wound color
- Key Features: Routine cleansing and dressing changes can be taught and practiced on all wounds

### Specifications

Packed weight(kg) & dimensions(cm)	2.3kg	33l	27.5w	20.5h
------------------------------------	-------	-----	-------	-------

### Components

Bed sore Cleansing and Dressing Model	1
Operation manual	1

## Central Venous Catheterization Simulator

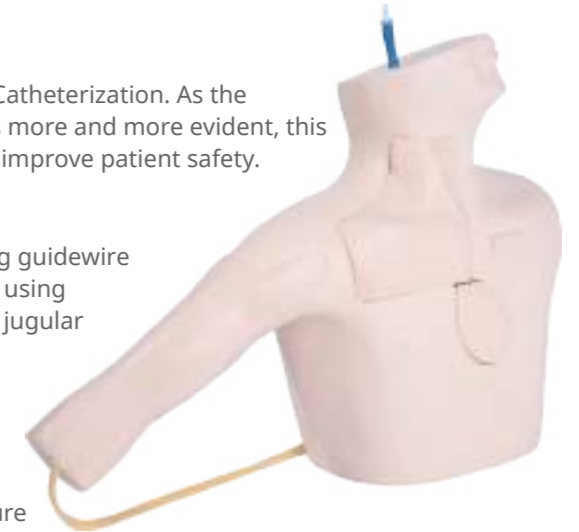
Product No.: TYE1510

### Outline

Designed for practicing of Central Venous Catheterization. As the importance of medical simulation becomes more and more evident, this simulator offers a cost-effective method to improve patient safety.

### Skills Gained

- Complete PICC line procedure including guidewire insertion, dilation, and full cannulation using percutaneous subclavian vein, internal jugular vein
- Peripherally Inserted Catheterization using Basilic, Cephalic or Cubital Veins
- Visual confirmation of proper catheter placement
- Measurement of central venous pressure
- Palpable anatomic landmarks clinically relevant for measuring catheter length



### Features

- Anatomy: Clavicle, ribs, internal jugular vein, subclavian vein, innominate vein, heart, brachiocephalic trunk, common carotid artery, subclavian artery
- Realism: Realistic sensation of needle insertion and catheterization Palpable clavicle, ribs and intercostal spaces
- Key Features:
  - 1) Trainees can observe the catheter position through transparent window (insert to the superior vena cava properly, mistakable inserting internal jugular vein and contralateral brachiocephalic vein)
  - 2) An automatic alarm will go on when incorrect catheterization into lung
  - 3) Liquid can be released easily
- Versatility:
  - 1) Replaceable blood vessels and skin pads (including arm skin, blood vessels, subclavian skin, internal jugular vein and skin of the anterior region of neck)
  - 2) Spare precordial skin for examination

### Specifications

Packed weight(kg) & dimensions(cm)	9.45kg	79.5l	61w	24h
------------------------------------	--------	-------	-----	-----

### Components

Central Venous Catheterization Simulator	1
Fluid reservoir	1
Y Shape connector	2
Plug	2
Latex tube	2
Transparency cover	1
Operation manual	1

## Diabetic Foot Trainer

Product No.: TYE1301

### Outline

The model offers many conditions which allow for the identification and staging of wounds and their probable causes.



### Skills Gained

- Wound assessment
- Routine cleansing
- Dressing techniques

### Features

- Anatomy: Symptoms of the 5 stages: shallow ulcer, deep infection, edema, necrosis, decay
- Realism: True-to-life appearance and bendable toes
- Key Features:
  - 1) The 1st ,2nd , 3rd toe demonstrate the serious invasive and traumatic foot lesion, coupled with the nerve lesion
  - 2) The 4th ,5th toe are thanatosis
  - 3) Flexible material allows toes to be moved

### Specifications

Packed weight(kg) & dimensions(cm)	1kg	39l	26w	14h
------------------------------------	-----	-----	-----	-----

### Components

Diabetic Foot Trainer	1
Operation manual	1

## Ostomy Care Simulator

Product No.: TYE1504

### Outline

This simulator is ideal for demonstration and practice of ostomy care procedures.



### Skills Gained

- Colostomy and ileostomy care
- Postoperative care of ostomy
- Enteral nutrition
- Practice fitting, cleaning and changing the pouch

### Features

- Realism: Soft and pliable material in order to achieve the most realistic tactile sensation
- Key Features: The stomas can be irrigated and simulated stool can be pumped to provide drainage and excretion at the ostomy
- Strap-on base plate

### Specifications

Packed weight(kg) & dimensions(cm)	6.2kg	46l	33.5w	45.5h
------------------------------------	-------	-----	-------	-------

### Components

Ostomy Care Simulator	1
Operation manual	1



## Peritoneal Dialysis Model

Product No.: TYE1511

### Outline

This model is designed for introducing necessary skills of CAPD procedures to patients, students, and nurses.



### Skills Gained

- Demonstration of the peritoneal dialysis
- Practice the indirect peritoneal dialysis exercise
- Continuous peritoneal dialysis

### Features

- Anatomy: Lower body of an adult in a standing position
- Realism: Obvious anatomical landmarks include umbilical, symphysis pubic
- Standard ostomy position

### Specifications

Packed weight(kg) & dimensions(cm)		6kg		46l		41.5w		29h
------------------------------------	--	-----	--	-----	--	-------	--	-----

### Components

Peritoneal Dialysis Model		1
T-type connector		1
Reservoir		1
Tube		1
Instruction manual		1

Clinical

## COVID-19 Task Trainer NEW

Product No.: TYE1517

### Outline

This product is designed for respiratory viruses detection training for COVID-19. It supports nasopharyngeal & oropharyngeal swab collection and is also a good choice for intubation, cricothyrotomy, tracheotomy and BVM ventilation practice with lifelike and correct anatomical structures.



### Skills Gained

- Anatomical understanding
- Nasopharyngeal & oropharyngeal swab collection
- Intubation
- Cricothyrotomy
- Tracheotomy
- BVM ventilation



### Features

- Anatomy: male head with lungs structure, realistic airway including nasal cavity, oral cavity, palatoglossal arch, palatopharyngeal arch, tonsil, pharynx, epiglottis, glottis, cricoid cartilage, thyroid cartilage, trachea, left and right bronchus, esophagus, etc.
- Key Features:
  - 1) When performing nasopharyngeal swab, if you reach the right position and depth, the swab will be pigmented as red, indicating a successful operation
  - 2) When performing oropharyngeal swab, swabs can scratch both tonsils and the posterior pharyngeal wall. If you reach the right position and range, the swab will be pigmented
  - 3) The model can be placed in a lying position, easy for oral intubation and BVM ventilation
  - 4) It's head and neck can be kept erect position by adjusting the bracket, practicing swab collection for people sitting
  - 5) Cricoid cartilage and thyroid cartilage structures support cricothyrotomy & tracheotomy operation

### Specifications

Packed weight(kg) & dimensions(cm)	11.9kg	72l	44w	31h
------------------------------------	--------	-----	-----	-----

### Components

COVID-19 Task Trainer	1
Airway management module	1
Drainage bag	1
Swab	1
Operation manual	1



## Simulated Bronchoscopy Model **NEW**

Product No.: TYE1579

### Outline

This male upper-body product is designed for bronchoscopy training and education.



### Skills Gained

- Anatomical familiarity
- Bronchoscope skills

### Features

- Anatomy: Life-like anatomical structures including nose, mouth, teeth, pharynx, tonsil, palatoglossal arch, palatopharyngeal arch, piriform recess, epiglottis, esophagus, fissure of glottis, trachea and main bronchus segments
- Realism: airway structure was derived from human CT scan data
- The main bronchus is divided into left and right sides with at least 5 divisions, each including apical segmental bronchus(□), posterior segmental bronchus(□), anterior segmental bronchus(□), lateral segmental bronchus(□), medial segmental bronchus(□), superior segmental bronchus(□), medial basal segmental bronchus(□), anterior basal segmental bronchus(□), lateral basal segmental bronchus(□), posterior basal segmental bronchus(□)
- Realistic intubation feedback almost like a real person, the airway is a whole piece with coherent and complete airway structures which can be observed under real bronchoendoscopy operation
- The carina of trachea with obvious features can be seen at the tracheal bifurcation
- Bronchoscopy can be performed using real bronchoscope
- Various real airway management devices can be used with this product
- The head can be tilted back and swing to left or right for required positions

### Specifications

Packed weight(kg) & dimensions(cm)	kg	l	w	h
------------------------------------	----	---	---	---

### Components

Bronchoscopy Training Model	1
-----------------------------	---

## Upper GI Endoscopy Training Model **NEW**

Product No.: TYE1578

### Outline

A realistic model with correct anatomical structures and complete internal structures to simulate upper GI endoscopy training.



### Skills Gained

- Understanding of anatomical structures
- Fiberoptic endoscopy
- ERCP
- Endoscopy

### Features

- Anatomy: Nasal cavity, oral cavity, pharynx, tonsil, palatoglossal arch, velopharyngeal arch, pyriform recess, epiglottis, tracheal opening, esophageal opening, esophagus, stomach and duodenum
- Realism:
  - 1) Realistic male appearance including head, neck and torso
  - 2) CT scan of a real person's upper digestive tract
- Key Features:
  - 1) Realistic and complete internal structures including cardia, dentate line, pylorus, major duodenal papilla (papilla of Vater), accessory duodenal papilla, and gastric angle. The main papilla contains part of the bile duct and pancreatic duct
  - 2) Use endoscope to observe mucosa, showing lifelike mucosa color, shape and feel
  - 3) The stomach can be pumped and inflated

### Specifications

Packed weight(kg) & dimensions(cm)	kg	l	w	h
------------------------------------	----	---	---	---

### Components

Upper GI Endoscopy Training Model	1
-----------------------------------	---

## Wearable Groin Surgical Training Suit



Product No.: TYE1802



### Outline

This model is an ideal choice for groin surgical training with true-to-life skin feel and touch, accurate anatomical structure. It's elastic and tear-resistant. It can be applied to patient simulators or SP's, which adds more realism to different scenarios.

### Skills Gained

- Disinfection, incision, hemostasis, separation, vascular ligation, resection, anastomosis, suture and dressing change in the groin area



### Features

- Anatomy:** The abdominal wall has layered structures, including skin, subcutaneous tissue, superficial fascia, aponeurosis of the external abdominal oblique, aponeurosis of the internal abdominal oblique, nerves. The contents of the inguinal canal have anatomical structures such as hernia sac, spermatic cord and its internal artery and vein, and cremaster.
- Realism:** Advanced material for true-to-life skin touch and feel.
- Key Features:**
  - It can be used for surgical teaching and skill training of indirect inguinal hernia repair.
  - The arteries and veins inside the spermatic cord can simulate blood outflow during surgical injury.
  - It is equipped with protective plate to protect SP from injury risk or damage.
  - The repair liquid with the product can be used to repair the skin incision caused by the operation, which is convenient for repeated use.
  - Surgical operation can be performed on both left and right groin areas.
  - Modules of the skin and surgical areas on both sides are replaceable.



### Specifications

Packed weight(kg) & dimensions(cm)	3.8kg	43l	35.5w	28.5h
------------------------------------	-------	-----	-------	-------

### Components

Wearable Groin Surgical Training Suit	1
Spare Skin	1
Surgical module (Left)	1
Surgical module (Right)	1
5ml syringe	1
Operation manual	1

## Wearable Thoracoabdominal Surgical Operation Suit



Product No.: TYE1519

### Outline

This product can be worn on a SP or any kind of patient simulator. Surgical operations can be performed with real instruments on the neck, chest, and abdomen area.



### Skills Gained

- Sternal puncture
- Surgical cricothyroidotomy
- Catherization
- Bladder puncture and drainage
- Thoracotomy
- Intra-thoracic and abdominal exploratory surgery
- Hemorrhage control of gross organ structures

### Features

- Anatomy: correct and realistic anatomical structures such as skin, lung, esophagus, diaphragm, stomach, bladder, liver, large intestine, small intestine, gallbladder, appendix, spleen, pancreas, heart, kidney, blood vessels, trachea, mesentery, omentum majus, penis etc.
- Key Features:
  - 1) Wound simulation: Preset the gunshot wound bleeding on the lung, liver lobe gunshot wounds etc. Simulate thoracoabdominal GSW exit and blind canal wound
  - 2) Interchangeable organs with variable wound patterns or pathology (necrosis of liver, lung, abdomen, small intestine and appendix)

- 3) Practicing of sternal puncture, surgical cricothyroidotomy, catherization, bladder puncture and drainage, thoracotomy, intra-thoracic and abdominal exploratory surgery and hemorrhage control of gross organ structures, etc.
  - A. For sternal puncture, replaceable puncture pad
  - B. For surgical cricothyroidotomy, replaceable neck skin pad and airway
  - C. It can perform occlusive dressing, bilateral axillary chest needle thoracentesis, bilateral surgical chest-tube thoracotomy. Artificial bleeding flows out when cutting on the skin, and 300ml simulated effusion can be drained out
  - D. Thoracotomy, exploratory laparotomy, soft tissue debridement, partial lung resection, damaged esophagus, liver tamponade hemostasis, clipping and ligation of intestinal stump, large vessel hemostasis, and bladder puncture etc.
  - E. Thoracoabdominal hemorrhage control with proper application like internal compression, arterial ligation and clamping, and wound dressing
  - F. Simulate rib bone fracture
  - G. Allow for intra-abdominal exploratory surgery and anastomosis etc.
- 4) Internal bleeding and external bleeding can be set according to the requirements of the scene, and the bleeding speed can be set
  - A. The capacity of blood pump system is 2.5L
  - B. Battery charge time less than 3 hours
  - C. Simulate artery and venous hemorrhage & controllable blood flow & simulate multiple bleeding spots
  - D. Blood pump system is portable and can be worn on a SP. Wireless control with the control distance more than 50 meters away

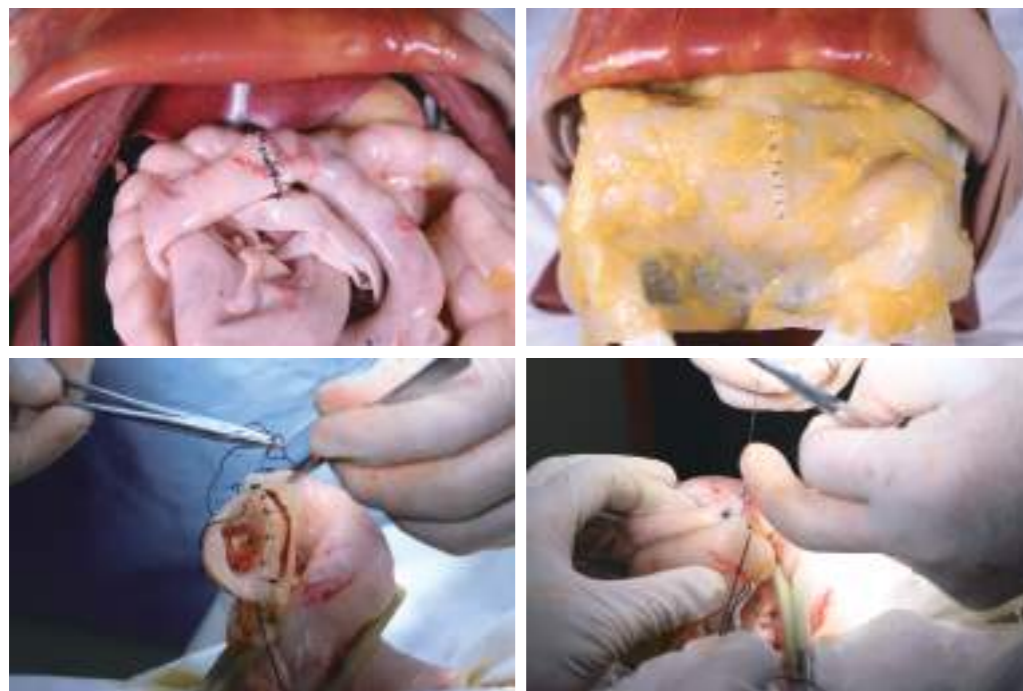


### Specifications

Packed weight(kg) & dimensions(cm)	37kg	76l	73w	71h
------------------------------------	------	-----	-----	-----

### Components

Wearable Thoracoabdominal Surgical Operation Suit	1
Wearable airway management module	1
Simulated blood circulation dynamic system	1
Organ suit(liver & lung)	1
Abdominal skin of intestinal necrosis	2
Peritoneum	2
Small intestine	1
Small intestinal necrosis module	1
Pleural puncture sac	1
Pleural puncture skin	10
Epityphlon	10
Manubrium sternum puncture module	20
Abdominal organ pad	1
Operation Manual	1



## Wireless Auscultation Trainer & VenuScope

Product No.: TY9020.2

### Outline

The Wireless Auscultation Trainer & VenuScope is a simulated system both for auscultation training and assessment, an ideal choice for current medical education market and a better way to teach and learn auscultation skills.

### Skills Gained

- Familiarity with auscultation regions and underlying anatomy
- Practice various auscultation skills
- Ability to differentiate normal from abnormal sounds
- Identification of shifting dullness, fluid thrill etc.
- Professional-to-patient communication



## Features

- Anatomy: Torso featuring necessary and clear landmarks, like sternal angle, xiphoid, clavicle (midclavicular line), sternoclavicular joint, spinous process, scapula, costa and costicartilage etc.
- Realism:
  - 1) Real clinical sounds and data, accurate heart and breathing sounds
  - 2) 30+ auscultation sites in heart and lung area with region-specific sounds
  - 3) HIFI sound quality
- Key Features:
  - 1) 17 preset cases for training and assessment
  - 2) Three modes: Self-study, Training and Assessment
    - A) Self-study: learners can choose region-specific sounds to get familiar with normal and abnormal sounds



Auscultation sites

- B) Training: Learners can only hear sounds assigned by instructors through wireless devices like tablet
  - C) Assessment: Assessor can combine several sounds into one or use standardized cases for assessees to identify. Auscultation site tips available
- 3) Wireless design, easy to use and carry
  - 4) Auscultation Cases user-specific guide
  - 5) Realistic VenuScope with a LCD screen showing battery status, current auscultation site, case name etc.; adjustable sound volume and 4-hour continuous use with the battery



VenuScope

- Versatility:
  - 1) One server (instructor set) can control multiple sets (learner set)
  - 2) Durable and stable system that supports multiple learners with several VenuScopes listening at various sites at the same time
  - 3) The sound library is open to be edited, added data or synchronized to VenuScope
  - 4) Suitable for auscultation either with trainer or standardized patient
  - 5) SP augmented function (optional), easy for SP to present diverse pathologies, ideal for OSCE and daily training
  - 6) Tablet PC with control software inside enjoys multi-point touch technology and communicate with VenuScope by Bluetooth



## Specifications

Packed weight(kg) & dimensions(cm)	8.5kg	55.5l	55.5w	23.5h
	12.85kg	92.5l	43.5w	30.5h

## Components

Wireless Auscultation Trainer	1
Control tablet	1
VenuScope	1
Charger	1
Sensor tag	1
Auscultation cases (in tablet)	1
Operation manual	1

## Spares

02070165	VenuScope
01006679	Charger
02070215	Sensor tag

## Wearable Bladder Puncture Model



Product No.: TYE1114

### Outline

This model allows practicing of bladder puncture and drainage of simulated urine. Its wearable design and life-like appearance provide excellent hands-on experience. It can be applied to patient simulators or SP's.



### Skills Gained

- Bladder puncture
- Drainage of simulated urine
- Anatomical understanding and palpation

### Features

- Anatomy: Bladder, genitals, symphysis pubis
- Realism: Advanced material for true-to-life skin touch, feel and puncture
- Key Features:
  - 1) Locate the puncture site by symphysis pubis for bladder puncture and drainage of simulated urine
  - 2) The penis can be adjusted to make an angle of 60° with abdomen
  - 3) Difficult catheter insertion can be simulated, which urine (water) cannot be drained
  - 4) Replaceable skin and bladder
  - 5) Protective board for operation safety

### Specifications

Packed weight(kg) & dimensions(cm)	kg	l	w	h
------------------------------------	----	---	---	---

### Components

Wearable Bladder Puncture Model	1
---------------------------------	---

## Wearable Abdominal Puncture Model

Product No.: TYE1113

### Outline

This model is an ideal choice for abdominal puncture training with true-to-life skin feel and touch, accurate anatomical structure. It can be applied to patient simulators or SP's, which adds more realism to different scenarios. Realistic resistance to needle tips and correct landmarks provide excellent hands-on experience.



### Skills Gained

- Anatomical understanding and palpation
- Abdominal puncture

### Features

- Anatomy: Accurate anatomical structures from xiphoid process to symphysis pubis, like costal arch, navel, anterior superior iliac spine, etc.
- Realism: Advanced material for true-to-life skin touch, feel and puncture
- Key Features:
  - 1) Durable and replaceable skin and reservoir
  - 2) Resistance & "pop" felt through the needles
  - 3) Correct adult anatomy
  - 4) Fluid available after successful puncture
  - 5) Protective board for operation safety
  - 6) Easy and convenient for fluid refill

### Specifications

Packed weight(kg) & dimensions(cm)	kg	l	w	h
------------------------------------	----	---	---	---

### Components

Wearable Abdominal Puncture Model	1
200ml syringe	1
Operation manual	1



## Wearable Lumbar Puncture Model

Product No.: TYE1547

### Outline

This model is an ideal choice for lumbar puncture training with true-to-life skin feel and touch, accurate anatomical structure. Realistic resistance to needle tips and correct landmarks provide excellent hands-on experience. It can be applied to patient simulators or SP's.



### Skills Gained

- Anatomical understanding and palpation
- Lumbar puncture
- CSF collection

### Features

- Anatomy: Accurate anatomical structures of L1-L5 and the vertebral canal
- Realism: Advanced material for true-to-life skin touch, feel and puncture
- Key Features:
  - 1) Replaceable skin and vertebral canal
  - 2) Resistance & "pop" felt through the needles
  - 3) Correct adult anatomy
  - 4) CSF available after successful puncture
  - 5) Protective board for operation safety
  - 6) Easy and convenient for fluid refill

### Specifications

Packed weight(kg) & dimensions(cm)	12kg	27l	33w	18h
------------------------------------	------	-----	-----	-----

### Components

Wearable Lumbar Puncture Training Model	1
50ml syringe	1
Operation manual	1

## Wearable Thoracentesis Model

Product No.: TYE1501

### Outline

This model is an ideal choice for thoracentesis training with true-to-life skin feel and touch, accurate anatomical structure. It can be applied to patient simulators or SP's, which adds more realism to different scenarios. Realistic resistance to needle tips and correct landmarks provide excellent hands-on experience.



### Skills Gained

- Anatomical understanding and palpation
- Needle decompression
- Thoracentesis
- Chest tube skills

### Features

- Anatomy: Accurate anatomical structures of ribs, intercostal space and sternal angle
- Realism: Advanced material for true-to-life skin touch, feel and puncture
- Key Features:
  - 1) Durable and replaceable skin and reservoir
  - 2) Resistance & "pop" felt through the needles
  - 3) Correct adult anatomy
  - 4) Protective board for operation safety
  - 5) Audible hiss or available fluid after successful puncture

### Specifications

Packed weight(kg) & dimensions(cm)	9kg	52.3l	38.3w	21.5h
------------------------------------	-----	-------	-------	-------

### Components

Wearable Thoracentesis Model	1
200ml syringe	1
Water inlet connector	1
Air pump bulb	1
Pneumothorax silicone board	1
Chest tube silicone board	1
Large-bore needle	1
Operation manual	1

## Advanced Wearable Thoracentesis Model NEW

Product No.: TYE1111

### Outline

This is a wearable thoracentesis model with electronic detection. It can be worn by SPs or manikins for needle decompression and chest tube trainings. It consists of a protective vest, a chest module, a control box and a remote control.



### Skills Gained

- Anatomical familiarity
- Needle decompression
- Chest tube operation
- Breathing sound auscultation

### Features

- Anatomy: there is realistic simulated skeleton inside, including bilateral clavicle, bilateral 1st rib to 8th rib, manubrium sternum and other bone structures; puncture site can be determined by palpating the ribs, intercostal space, and sternal angle
- Realism: life-like adult male chest appearance, feel and touch; can be worn by a real person
- The chest module simulates the part from the upper sternal fossa & clavicle to the upper abdomen
- Thoracentesis can be done between the 2nd and 3rd intercostal space of both sides
- The pneumothorax module can be filled with air automatically
- A sense of breakthrough can be felt when needles enter the pleural cavity; there will be air coming out for successful puncture
- Real chest seal can be used with this product for open pneumothorax treatment
- Voice guidance for thoracentesis operation; voice feedback for successful puncture

- Bilateral 6-8 intercostal space supports puncture for fluid in the chest; a sense of breakthrough can be felt when needles enter the pleural cavity; there will be fluid coming out for successful operation
- Spontaneous breathing with bilateral chest rise and fall controlled by a wireless remote control
- The remote control can communicate with the model within 20 meters distance
- 2 breathing sound auscultation sites on both sides
- When there is chest rise and fall, use real stethoscope can hear breathing sound; no chest movement, no breathing sound
- Durable puncture module supports 400 punctures (test report can be provided)
- Easy and fast puncture module replacement
- Protective plate with the vest for safe operations
- Built-in battery in the control box for 4 continuous outdoor use; voice feedback for low battery
- Indoor power connection available for long-time use
- Fast and easy connection between the chest module and the control box



### Specifications

Packed weight(kg) & dimensions(cm)	kg	58.5l	48w	31.5h
------------------------------------	----	-------	-----	-------

### Components

Advanced Wearable Thoracentesis Model	1
Luer syringe	1
Fluid injection tube	1
Control box	1
Remote control	1
Pneumothorax puncture box (Left)	2
Pneumothorax puncture box (Right)	2
Chest tube puncture box (Left)	2
Chest tube puncture box (Right)	2
Puncture needle	1
User Manual	1

## Adult Tibial Puncture Leg (with Stand) NEW

Product No.: TYE1002

### Outline

A realistic training model with incredible accurate anatomical position, designed for the practice of tibial puncture techniques.



### Skills Gained

- Practice tibial puncture and perfusion skills
- Drawing simulated bone marrow fluid

### Features

- Puncture training can be performed at about 1cm below the plane of the tibial tubercle or the junction of the upper and middle 1/3 of the tibia
- Breakthrough feeling after successful puncture
- Simulated bone marrow fluid can be drawn out
- Continuous fluid perfusion more than 100ml
- Durable and repeated use
- Replaceable bone marrow cavity, easy to be disassembled and installed

### Specifications

Packed weight(kg) & dimensions(cm)	kg	77.5l	20.5w	32.5h
------------------------------------	----	-------	-------	-------

### Components

Adult Tibial Puncture Leg (with Stand)	1
Instruction manual	1

## Adult Bone Marrow Aspiration Leg

Product No.: TYE4733

### Outline

A realistic training model with incredible accuracy and realism, designed for the practice of puncture techniques in right tibial tuberosity and right anterior tibial area.



### Skills Gained

- Practice tibial puncture and perfusion skills
- Drawing simulated bone marrow fluid

### Features

- Anatomy: Reproduction of right tibia, fibula, right knee, right ankle, etc., palpable and easy for location
- Key Features:
  - 1) Puncture training in right tibial tuberosity and right anterior tibial area
  - 2) Breakthrough feeling after successful puncture
  - 3) Fluid can be drawn out

### Specifications

Packed weight(kg) & dimensions(cm)	kg	l	w	h
------------------------------------	----	---	---	---

### Components

Adult Bone Marrow Aspiration Leg	1
Instruction manual	1

## Pneumothorax Percussion and Puncture Training Model

Product No.: TYE1527

### Outline

This training model simulates the real human torso from head to groin with soft and realistic skin.



### Skills Gained

- Percussion & sound recognition
- Pneumothorax diagnosis

### Features

- Anatomy: Represents precise and palpable landmarks: clavicle, sternal angle, costal bone, intercostal space, costal arches (left and right), costal angle, Xiphoid process, anterior superior iliac spine, umbilicus, pubic symphysis, groin
- Key Features: When pneumothorax puncture is correctly conducted, high-pressured air will come out

### Specifications

Packed weight(kg) & dimensions(cm)	9.7kg	92.5l	43.5w	30.5h
------------------------------------	-------	-------	-------	-------

### Components

Pneumothorax Percussion and Puncture Training Model	1
Gowns	1
2ml syringe	1
Operation manual	1

## Pneumothorax Trainer

Product No.: TYE1001

### Outline

This model is designed to develop the training skills in pneumothorax puncture and pneumothorax drainage techniques.



### Skills Gained

- Needle decompression of tension pneumothorax
- Pneumothorax drainage

### Features

- Anatomy:
  - 1) Bony landmarks, ribs, easy to locate puncture position
  - 2) Representation of adult male torso with arms raised
- Key Features:
  - 1) Needle thoracotomy possible in the second intercostal space in the midclavicular line
  - 2) The left pad of the model accepts real needle to perform pneumothorax puncture. A "pop" is felt as the needle enters the thoracic cavity and a "hiss" of air releasing can be heard
  - 3) The right pad of the model accepts surgical incision, blunt dissection and closed drainage tube placement
  - 4) The puncture pad is durable with continuous operation more than 400 times
  - 5) Affordable replaceable pads

### Specifications

Packed weight(kg) & dimensions(cm)	7.75kg	58.5l	48w	31.5h
------------------------------------	--------	-------	-----	-------

### Components

Pneumothorax Trainer	1
Operation manual	1

### Spares

02050748	Puncture module
02050749	Incision module

## Pneumothorax & Chest Drain Model



Product No.: TYE1590

### Outline

This model is designed to develop the training skills in pneumothorax puncture, pneumothorax chest tube, hydrothorax puncture, and closed drainage nursing techniques.

### Skills Gained

- Needle decompression
- Hydrothorax puncture
- Thoracic closed drainage & nursing skills
- Chest tube

### Features

- Anatomy:
  - 1) Bony landmarks include ribs, intercostal space, sternal angle, etc. easy for users to locate puncture position
  - 2) Representation of an adult male torso, up to the neck and lower to the abdomen
- Key Features:
  - 1) Needle thoracotomy possible in the left 2nd intercostal space in the midclavicular line; a “pop” is felt as the needle enters the thoracic cavity and a “hiss” of air release
  - 2) Pneumothorax incision, suturing and chest tube placement after blunt dissection can be done in the right 2nd intercostal space in the midclavicular line; closed drainage can be simulated and the bubbles in the drainage bottle can change with respiration
  - 3) There is a preset drainage tube in the 7th intercostal area of the left midaxillary line for closed drainage demonstration; the height of the liquid level in the drainage bottle can rise and fall with respiration
  - 4) Hydrothorax puncture can be performed at the right 6th and 7th intercostal spaces of the midaxillary line and at the right 7th and 8th intercostal spaces of the posterior axillary line; there is a sense of breakthrough with successful puncture and simulated pleural effusion can be extracted
  - 5) Durable puncture module can withstand at least 400 consecutive punctures (third-party test report can be provided)
  - 6) Built-in 1L reservoir for repeated use and quick fluid refill
  - 7) The left pad of the model accepts real needle to perform pneumothorax puncture.
  - 8) Built-in battery for 2-hour continuous use after a full charge
  - 9) Affordable replaceable pads



### Specifications

Packed weight(kg) & dimensions(cm)	kg	58.5l	48w	31.5h
------------------------------------	----	-------	-----	-------

### Components

Components		Spares	
Pneumothorax & Chest Drain Model	1	02050748	Puncture module
Puncture module	1	02050749	Incision module
Incision module	5	02060868	Pneumothorax puncture box (left)
Pneumothorax puncture box (left)	1	02060871	Hydrothorax puncture box (right)
Hydrothorax puncture box (right)	1		
Operation manual	1		

## Pneumothorax Simulator

Product No.: TYE4716

### Outline

This model will allow emergency medical personnel to develop the needed skills in pneumothorax procedure before coming to a real patient.



### Skills Gained

- Needle decompression of tension pneumothorax

### Features

- Anatomy: Clavicle, ribs, manubriosternal joint, mammilla
- Realism: Needle decompression air chambers provide realistic release of air on insertion of needle
- Key Features:
  - 1) This model supports needle thoracotomy in the second or fifth intercostal space in the mid-axillary line
  - 2) A “pop” is felt as the needle enters the thoracic cavity
  - 3) Air inflation pedal
- Versatility: Replaceable air chambers

### Specifications

Packed weight(kg) & dimensions(cm)	7.35kg	58.5l	48w	31.5h
------------------------------------	--------	-------	-----	-------

### Components

Pneumothorax Simulator	1
Foot pump	1
Air bag	1
Operation manual	1

## Chest Drain & Needle Decompression Trainer

Product No.: TYE1522

### Outline

This model is designed to develop the training skills in pneumothorax puncture, and closed thoracic drainage and postoperative care techniques.

### Skills Gained

- Needle decompression of tension pneumothorax
- Closed thoracic drainage
- Postoperative care of drainage tube

### Features

- Anatomy:
  - 1) Clavicle, ribs, manubriosternal joint, mammilla, pleural cavity, chest wall, muscle, vessels, nerves
  - 2) Representation of adult male thorax with arms raised
- Realism: Needle decompression air reservoirs provide realistic release of air on insertion of needle
- Key Features:
  - 1) This model supports puncture operation in the second intercostal space in the midclavicular line and thoracic closed drainage in the sixth intercostal space in the mid-axillary line
  - 2) A "pop" is felt as the needle enters the thoracic cavity
  - 3) Reservoirs can be filled with fluid or mock blood to represent pleural effusion
- Versatility: Affordable replaceable skin pads



### Specifications

Packed weight(kg) & dimensions(cm)	7.75kg	58.5l	48w	31.5h
------------------------------------	--------	-------	-----	-------

### Components

Chest Drain & Needle Decompression Trainer	1
Spare skin (Round)	2
Spare skin (Square)	2
Seal cover	5
Inflating bulb	1
Fluid reservoir	1
Operation manual	1

### Spares

01005223/ 02080327	Pneumothorax Pad
01005216/ 02080326	Axillary Pad
02040327	Puncture Pad
02020013	Air Bag

## Thoracentesis Training and Demonstration Simulator

Product No.: TYE1554

### Outline

This model is designed to develop the training skills in pneumothorax puncture, hydrothorax puncture techniques.

### Skills Gained

- Theoretical knowledge of thoracic trauma and anatomical structure of thorax
- Palpation on anatomic landmarks
- Needle decompression
- Management of pleural effusion

### Features

- Anatomy:
  - 1) Adult male thorax with raised arms
  - 2) Observable anatomical relationships between skin, musculature, ribs and lungs
  - 3) Lifelike anatomical landmarks with palpable ribs and intercostal space
- Key Features:
  - 1) Needle decompression can be conducted
  - 2) Liquid of various colors can be injected into chest drain module and simulated pleural effusion can be drawn out if operation is correct
  - 3) Replaceable skin pad on puncture site
  - 4) Indicator tells if injected fluid is enough



### Specifications

Packed weight(kg) & dimensions(cm)	7.75kg	58.5l	48w	31.5h
------------------------------------	--------	-------	-----	-------

### Components

Thoracentesis Training and Demonstration Simulator	1
Fluid reservoir (internal)	1
Fluid reservoir (external)	1
Inflating bulb	1
Operation manual	1

### Spares

02040382	Fluid reservoir (internal)
----------	----------------------------

## Thoracostomy Catheter Removal Trainer

Product No.: TYE1528

### Outline

This product is designed to train the ability of recognizing extubation indication of thoracic close drainage.

### Skills Gained

- Recognition of extubation indication of thoracic close drainage

### Features

- Anatomy: Clavicle, sternal angle, ribs, intercostals space, left and right costal arches, epigastric angle, xiphoid, anterior superior spine, umbilicus, pubic symphysis, groin
- Key Features:
  - 1) Various thoracic percussion sounds: resonance, dullness, tympany, flatness
  - 2) Right side is the affected side with tympanitic, drum-like percussion sound; while the other side is resonant
  - 3) Intermittent bubbles appear in the drainage bottle



### Specifications

Packed weight(kg) & dimensions(cm)	10.35kg	92.5l	43.5w	30.5h
------------------------------------	---------	-------	-------	-------

### Components

Thoracostomy Catheter Removal Trainer	1
Drainage unit	1
Silicone rubber drain tube	1
Clothes	1
Operation manual	1

## Adult Thoracentesis Simulator

Product No.: TYE1548

### Outline

Our simulator has been designed to meet the specific requirements of healthcare practitioners training in thoracentesis on adult patient.



### Skills Gained

- Knowledge of standard position for thoracentesis
- Palpation on anatomic landmarks
- Needle insertion and drainage

### Features

- Anatomy:
  - 1) Representation of adult male torso with arms raised
  - 2) Obvious anatomical landmarks with palpable ribs and intercostal space
- Key Features:
  - 1) Thoracentesis can be conducted on bilateral posterior axillary line and scapular line
  - 2) Pleural effusion can be drawn out if operation is correct

### Specifications

Packed weight(kg) & dimensions(cm)	22.5kg	130l	61w	77h
------------------------------------	--------	------	-----	-----

### Components

Adult Thoracentesis Simulator	1
Needle	1
Fluid reservoir	1
PU tube	1
Operation manual	1

## Liver Abscess Puncture & Thoracentesis Training Simulator

Product No.: TYE4741

### Outline

Life-like male torso for practice and training of liver abscess puncture and thoracentesis.



### Skills Gained

- Palpation
- Percussion
- Drainage for liver abscess
- Thoracentesis

### Features

- Anatomy:
  - 1) Simulated patient in supine and semi-supine positions with soft texture, realistic hand feeling and appearance
  - 2) Correct anatomical landmarks such as clavicle, armpit and intercostal space of each rib etc. make it easy to locate the puncture site
- Key Features:
  - 1) For liver abscess puncture, the pressure points can be found around the liver, and there's an obvious "pop" feeling for successful puncture, and the simulated liver pus can be extracted
  - 2) For thoracentesis (semi-supine position to simulate critical patients), flatness can be heard by percussion, and there's an obvious "pop" feeling for successful puncture, and the simulated pleural fluid can be extracted
  - 3) Voice prompt will be triggered by incorrect puncture

## Abdominocentesis & Femoral Vein Puncture Simulator

Product No.: TYE1553

### Outline

Well designed for training of abdominocentesis and femoral vein puncture.



### Skills Gained

- Abdominal percussion
- Abdominocentesis
- Femoral vein puncture

### Features

- Anatomy: Obvious anatomical landmarks with accurate structure.
- Key Features:
  - 1) Abdominal skin made of high polymer material for repeated punctures
  - 2) Suitable for training of abdominal percussion on shifting dullness
  - 3) Palpable femoral artery for easy locating of femoral vein

### Specifications

Packed weight(kg) & dimensions(cm)	9.4kg	66l	46w	29.5h
------------------------------------	-------	-----	-----	-------

### Components

Abdominocentesis & Femoral Vein Puncture Simulator	1
Inflating bulb	1
Fluid reservoir	1
5ml syringe	1
Operation manual	1

### Spares

02040182	Puncture module
02040184	Abdominal skin
02040183	Fluid reservoir



## Abdominocentesis Training Simulator

Product No.: TYE1529

### Outline

Representation of an adult male from head to symphysis pubis for training of abdominocentesis.

### Skills Gained

- Theoretical knowledge of anatomical structure
- Percussion
- Needle insertion
- Management of ascites

### Features

- Anatomy: Accurate anatomical landmarks including collarbone, sternal angle, rib, intercostal space, left and right costal arches, epigastric angle, xiphoid, anterior superior iliac spine, umbilicus, symphysis pubis, groin etc.
- Key Features:
  - 1) Real feel of needle insertion
  - 2) Ascites can be drawn out if operation is correct
  - 3) Alert for incorrect operation



### Specifications

Packed weight(kg) & dimensions(cm)	11.4kg	92.5l	43.5w	30.5h
------------------------------------	--------	-------	-------	-------

### Components

Abdominocentesis Training Simulator	1
Control box	1
Cable	1
Fluid reservoir	1
Operation manual	1

### Spares

02070050	Control box
----------	-------------

## Adult Lumbar Puncture Simulator



Product No.: TYE1549.1

### Outline

This product simulates an adult male in left-lateral position. It is designed for hands-on training and assessment in lumbar puncture and epidural procedures.

### Skills Gained

- Skin preparation
- Palpation of landmarks
- Needle positioning and insertion
- Cerebrospinal fluid (CSF) pressure measurement
- Lumbar puncture and anesthesia
- Epidural puncture and anesthesia
- Real equipment usage

### Features

- Versatility:
  - 1) Multiple operations available within L2-L5 intervertebral space, including lumbar puncture, lumbar anesthesia, epidural anesthesia, epidural anesthesia, combined spinal-epidural block, cerebrospinal fluid pressure measurement and intrathecal administration
  - 2) Replaceable and durable puncture pad
- Anatomy: Correct anatomical structures like skin, subcutaneous tissue, ligamentum flavum, dura mater etc.
- Key Features:
  - 1) Negative pressure exists in the arachnoid cavity and CSF automatically flows out with successful operation. No external pressure is needed.
  - 2) Flexible movement of the lumbar part, providing wider space between spinous processes.
  - 3) Clear landmarks like iliac crest, lumbar spinous process, easy for position identification.
  - 4) Wrong puncture angle can lead puncture needle to the vertebra.
  - 5) Realistic epidural and subarachnoid anesthesia operation available.
  - 6) A sense of breakthrough can be felt twice when doing the puncture, such as penetrating the ligamentum flavum etc.
  - 7) Built-in lithium battery supports use of no less than 5 hours.



### Specifications

Packed weight(kg) & dimensions(cm)	14.6kg	82.0l	63.0w	34.0h
------------------------------------	--------	-------	-------	-------

### Components

Adult Lumbar Puncture Simulator	1
Puncture pad	1
Syringe	1
Charger	1
Operation manual	1

### Spares

02050548	Training module
----------	-----------------

## Lumbar Puncture Simulator

Product No.: TYE1806

### Outline

For demonstration and practice of lumbar puncture and anesthesia.



### Skills Gained

- Patient positioning
- Lumbar puncture and sampling
- Epidural anesthesia, spinal anesthesia, caudal anesthesia and sympathetic nerve block

### Features

- Anatomy:
  - 1) Accurate anatomy including lumbosacral vertebrae, interspinous ligament, epidural space, subarachnoid space, spinal cord
  - 2) Anatomical landmarks for easy locating
- Key Features:
  - 1) Suitable for lateral and sitting positions
  - 2) Real friction during needle insertion
  - 3) A "pop" is felt as the needle enters the tissue with realistic outflow of simulated CSF confirming successful needle placement

### Specifications

Packed weight(kg) & dimensions(cm)	9.25kg	53l	39.5w	45h
------------------------------------	--------	-----	-------	-----

### Components

Lumbar Puncture Simulator	1
Infusion bag	1
#7 Needle	1
Operation manual	1

## Adult Bone Marrow Aspiration Model

Product No.: TYE1550

### Outline

Specifically designed for training of bone marrow aspiration on adult patient.



### Skills Gained

- Palpation on anatomic landmarks
- Bone marrow aspiration

### Features

- Anatomy: Realistic skin with palpable manubrium sterni, rib, anterior superior iliac spine, posterior superior iliac spine, iliac crest
- Key Features:
  - A "pop" is felt as the needle is inserted and simulated bone marrow fluid can be drawn out

### Specifications

Packed weight(kg) & dimensions(cm)	11.6kg	92.5l	43.5w	30.5h
------------------------------------	--------	-------	-------	-------

### Components

Adult Bone Marrow Aspiration Model	1
#18 Needle	1
Operation manual	1

## Pericardiocentesis Simulator

Product No.: TYE1551

### Outline

This adult male torso is designed for pericardiocentesis demonstration, training and assessment.



### Skills Gained

- Anatomical familiarity
- Cardiac percussion
- Pericardiocentesis skills

### Features

- Anatomy: sternum, clavicle, ribs, intercostal space and other anatomical structures can be palpated
- Realism: life-like skin, almost feels like a real person
- Supports cardiac percussion, obvious voiceless and voiced percussion sounds available
- Cardiac enlargement caused by pericardial effusion can be simulated
- Puncture module includes simulated heart and simulated pericardium
- The simulated pericardium can be filled with self-prepared effusion of different colors and concentrations
- There will be fluid coming out with correct pericardiocentesis operation
  - In the process of pericardial puncture, the operation of needle insertion and aspiration can be simulated
  - Simulated blood will be drawn out if needle inserts too deep

### Specifications

Packed weight(kg) & dimensions(cm)	10kg	92.5l	43.5w	30.5h
------------------------------------	------	-------	-------	-------

### Components

Pericardiocentesis Simulator	1
Syringe 50ml	1
User Manual	1

## Pericardial Puncture and Endocardial Injection Simulator

Product No.: TYE4712

### Outline

Realistic male torso with head for practice and training of pericardial puncture and endocardial injection.



### Skills Gained

- Pericardial puncture
- Endocardial injection

### Features

- Anatomy: Accurate and palpable anatomical landmarks including sternum, xiphoid process, ribs, intercostal spaces
- Key Features:
  - 1) Soft texture, realistic hand feel and appearance
  - 2) For puncture training in pericardial area and area inferior to the junction of xiphoid process and the 7th costicartilage, and when the puncture needle enters into the pericardial cavity, there is liquid coming out.

## Multi-purpose Clinical Puncture Simulator

Product No.: TYE1523

### Outline

This product is designed with the most powerful functions for demonstrating and practicing nearly all the routine clinical centesis for diagnosis as well as treatment.



### Skills Gained

- Right internal jugular vein puncture
- Right subclavian venipuncture
- Right external jugular vein puncture
- Right femoral vein puncture
- Right cervical lymph node biopsy
- Left thoracic puncture (2 sites for pleural fluid and 1 site for pneumothorax)
- Liver abscess puncture
- Right renal puncture
- Lumbar puncture
- Abdominocentesis
- Intracardiac injection
- IO (sternal, right anterior superior iliac spine & right posterior superior iliac spine)
- Pre-operation aseptic techniques like disinfecting the puncture area, sterile drapes etc.
- Left elbow joint injection (optional)
- Right arm IV (optional)

### Features

- Anatomy: obvious landmarks and anatomical structures (sternocleidomastoid muscle, scapula, xiphoid, anterior superior iliac spine, navel etc.) for locating the puncture sites
- Realism:
  - 1) Automatic pulse of carotid and femoral artery
  - 2) Different contents available at different puncture sites, simulated abscess with liver puncture, bloody fluid in intracardiac injection withdrawal, needle decompression successful with audible hiss
- Versatility: durable and replaceable skin pads, fluid reservoir and IO modules
- Key Features:
  - 1) The simulator can be placed and fixed in various positions, like supine position, sitting position, left & right lateral position as well as prone position

- 2) Available percussion for pneumothorax, hemothorax, shifting dullness and liver dullness
  - 3) About 8-min audio explanation available for each type of surgical operations, which will guide users to place patients in right position, find proper puncture sites etc. Voice indicators for correct or wrong operations
  - 4) A human figure with different puncture sites on the control box. Indicator lights available for current operations
- A smart pallet and stand will help fix the simulator in various positions and make it easy to carry

### Specifications

Packed weight(kg) & dimensions(cm)	28.75kg	116l	55.5w	42h
------------------------------------	---------	------	-------	-----

### Components

Multi-purpose Clinical Puncture Simulator		1
Control box		1
Air pump		1
Infusion stand		1
20ml syringe		1
Infusion bag		1
Transparent tube		1
Adaptor		1
Cable		1
Big plug		10
Small plug		2
T-joint		1
Extension board		1
Silicone tube		1
Internal fluid reservoir		1
IO module		12
Puncture sac		5
Converter		1
Operation manual		1

### Spares

02070157	Control box	02040243	Spare skin for neck muscle
01001799	Transparent tube	01005267	Spare skin for chest
01001785	Silicone tube	01005268	Spare skin for abdominal wall
01001534	T-joint	01005269	Spare skin for liver
02120056	Big plug	01005271	Spare skin for lumbar
02120057	Small plug	01005272	Spare skin for femoral vein
02080143	Internal fluid reservoir	02040226	Puncture sac
02080129	IO module	02040324	Abdominal sac

## Tracheostomy Model

Product No.: TYE1532



### Outline

This product is designed for practice of tracheostomy care and suction techniques.

### Skills Gained

- Blunt separation
- Cricothyroidea puncture
- Ventilation test
- Operation verification

### Features

- Anatomy: Upper body of a real man from head to anterior superior iliac spine
- Realism: Sophisticated anatomic structure includes artificial skin, subcutaneous tissue (muscle fat vessels), thyroid cartilage, tracheal cartilage
- Key Features:
  - 1) Cartilage structure include thyroid chondrocyte membrane
  - 2) Thyroid incision
  - 3) Simulating bleeding scenarios

### Specifications

Packed weight(kg) & dimensions(cm)	7.5kg	79.5l	62w	24.5h
------------------------------------	-------	-------	-----	-------

### Components

Tracheostomy Model	1
1ml Syringe	2
Instruction manual	1
Tracheal cartilage	1
Tissue module	1
Neck skin	1

### Spares

02080130	Spare neck skin
02050327	Spare tracheal cartilage
02050326	Spare tissue module
02080238	Spare tracheotomy module (contains tracheal cartilage, tissue module, connector and transparent tube )

## Thyroid Gland Examination Simulator

Product No.: TYE1531

### Outline

This simulator is the representation of a real human from head to groin with soft and realistic skin.



### Skills Gained

- Familiar with anatomical structures
- Thyroid gland palpation

### Features

- Anatomy: mandible, thyroid cartilage, trachea, clavicle, sternal angle, costal bone, intercostal space, costal arches (left and right), costal angle, Xiphoid process, anterior superior iliac spine, umbilicus, pubic symphysis, groin
- Key Features:
  - 1) Swallowing can be presented. Thyroid goes up fast and goes down slowly
  - 2) One side of the thyroid gland has a firm nodule which moves together with swallowing

### Specifications

Packed weight(kg) & dimensions(cm)	11kg	92.5l	43.5w	30.5h
------------------------------------	------	-------	-------	-------

### Components

Thyroid Gland Examination Simulator	1
Power adaptor	1
Remote control	1
Operation manual	1

## Suture Practice Arm

Product No.: TYE1030.1

### Outline

This product provides a lifelike suturing experience for students or a realistic suturing demonstration by an instructor.



### Skills Gained

- Incision
- Suturing techniques
- Knot tying
- Suture cutting
- Stitches removal
- Instrument handling
- Bandaging techniques

### Features

- Anatomy: Realistic anatomy and the structure layers are clear to view skin, subcutaneous and muscle tissues
- Realism: Soft and pliable for easy sewing, the skin is tough enough that sutures will not pull out when tightened
- Key Features:
  - 1) Multiple cuts can be made at different locations and each of these cuts can be sutured several times
  - 2) After incision, lifelike red muscles will be exposed

### Specifications

Packed weight(kg) & dimensions(cm)	1.3kg	70l	16w	13.5h
------------------------------------	-------	-----	-----	-------

### Components

Suture Practice Arm	1
Suture tool kit	1
Operation manual	1

## Suture Practice Leg

Product No.: TYE1304.1

### Outline

This trainer provides a lifelike suturing experience for students or a realistic suturing demonstration by an instructor.



### Skills Gained

- Handling of instruments
- Incision of skin and subcutaneous tissue
- Suturing techniques
- Knotting
- Suture cutting
- Stitches removal
- Bandaging

### Features

- Anatomy: Realistic anatomy and the structure layers are clear to view skin, subcutaneous and muscle tissues
- Realism:
  - 1) Realistic skin texture with wrinkles and pores
  - 2) Soft and pliable for easy sewing, the skin is tough enough that sutures will not pull out when tightened
- Key Features:
  - 1) After incision, lifelike red muscles will be exposed
  - 2) Multiple cuts can be made at different locations and each of these cuts can be sutured several times

### Specifications

Packed weight(kg) & dimensions(cm)	1.65kg	70l	16w	13.5h
------------------------------------	--------	-----	-----	-------

### Components

Suture Practice Leg	1
Suture tool kit	1
Operation manual	1

## Advanced Suture Pad

Product No.: TYE4029

### Outline

This trainer is to help medical students and healthcare professionals master fundamental hands-on skills relating to instrument handling, knot tying and suturing.



### Skills Gained

- Handling of instruments
- Incision
- Suturing techniques
- Knotting
- Suture cutting
- Stitches removal

### Features

- Anatomy: Realistic skin with subcutaneous tissues
- Realism: New material makes incision and suturing more realistic
- Versatility: Replaceable skin pad can be sutured multiple times
- A base board is provided for stability

### Specifications

Packed weight(kg) & dimensions(cm)	0.6kg	13l	13w	2h
------------------------------------	-------	-----	-----	----

### Components

Advanced Suture Pad	1
Operation manual	1

## Suture Tutor

Product No.: TYE4015

### Outline

Suture Tutor is designed as a resource to train essential skills required for making skin incisions and suturing with various methods.



### Skills Gained

- Handling of instruments
- Linear incision
- Interrupted suturing
- Continuous suturing
- Knot tying
- Stitches removal

### Features

- Anatomy: Realistic skin with subcutaneous tissues
- Versatility: Skin pad is replaceable and supports multiple sutures
- Realism: High-quality material makes practice more realistic
- A base board is included

### Specifications

Packed weight(kg) & dimensions(cm)	1kg	27.1l	21.1w	7.3h
------------------------------------	-----	-------	-------	------

### Components

Suture Tutor(with base board)	1
Operation manual	1

## Local Anaesthesia for Minor Surgery

Product No.: TYE4021

### Outline

This training model can be used to train skills needed for local anesthesia, which include surface anesthesia, local infiltration anesthesia, and local anesthesia of the simulated finger (or toe).



### Skills Gained

- Four training modules:
  - 2 local anesthesia training modules for skills training
  - 2 skin lesion training modules including sebaceous cyst and lipoma to simulate different scale of anesthesia and learn relative skills
  - Simulated finger for local infiltration anesthesia

### Features

- Key Features:
  - The model is made by advanced material which shows clearly the local infiltration of drugs & dosage
  - Colored fluid is provided for observing infiltration scale
- Versatility: All the modules are changeable and an instruction disc is provided for demonstration

### Specifications

Packed weight(kg) & dimensions(cm)	1.4kg	28.5l	22.5w	9h
------------------------------------	-------	-------	-------	----

## Local Anesthesia Skin Pad

Product No.: TYE4729

### Outline

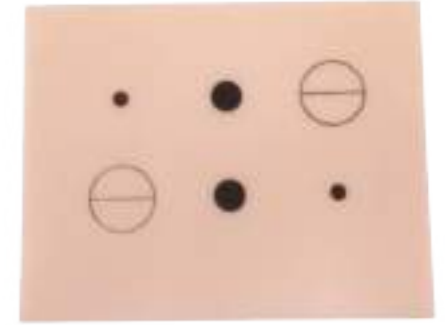
This product is designed for various local anesthesia skill training. Learners can use it for practice and instructors can use it for educational purpose.

### Skills Gained

- Puncture and injection techniques
- Local anesthesia skills
- Observe and learn drug use

### Features

- Realism: Realistic feel and touch
- Key features:
  - Three printed marks to simulate different anesthesia areas and techniques
  - With colorful fluids, users can observe the use of drugs
- Durability: Durable PVC material, easy to carry



## Local Anesthesia Skin Roll

Product No.: TYE4736

### Outline

This product is designed for various fingers and toe anesthesia skill training. Learners can use it for practice and instructors can use it for educational purpose.

### Skills Gained

- Puncture and injection techniques
- Fingers and toes anesthesia skills
- Anesthesia process learning

### Features

- Realism: Realistic feel and touch
- Key features: Unique roll shape to simulate finger and toe anesthesia areas and techniques
- Durability: Durable PVC material, easy to carry





## Minor Skin Procedures Kit

Product No.: TYE4020

### Outline

A set of 4 pads provides an ideal platform for trainings covering all aspect of suturing and minor skin procedures.

### Skills Gained

- Superficial dermatological lesion removal techniques: snip excision, shave excision and curettage
- Sebaceous cyst removal
- Lipoma removal
- Incision, suturing, knotting and stitches removal techniques



### Features

- Anatomy: 3-layer skin pads with epidermis, dermis and subdermal layer
- Realism: 4 pads with visual and tactile realism
- Versatility: All pads are replaceable
- Key Features:
  - 1) The kit serves the needs of both specialist and beginner
  - 2) An instrument kit is provided

### Specifications

Packed weight(kg) & dimensions(cm)	1.55kg	28.5l	22.5w	9h
------------------------------------	--------	-------	-------	----

### Components

Skin pad	4
Stitch scissor	1
Tissue scissor	1
Toothed forceps	1
Needle holder	1
Hemostatic clamp	1
Scalpel blade(10#)	1
Scalpel handle	1
Cutting needle	1
Suture	1
Operation manual	1

### Spares

02080099	Skin pad
----------	----------

## Surgical Multi-skill Training Simulator

Product No.: TYE4018

### Outline

This surgical training simulator includes 4 different modules for skills learning and practicing.



### Skills Gained

- Skin module – incision, suture, knots, suture thread cut and removal, etc.
- Bowel module – Practice jaw, incision and anastomosis skills
- Vessel module – Practice jaw, cut and ligation on thick vessels
- Knot module – Practice deep knotting skills at narrow space

### Features

- Key Features: The model is light and easy to carry and assemble

### Specifications

Packed weight(kg) & dimensions(cm)	2.25kg	29l	24.5w	12.5h
------------------------------------	--------	-----	-------	-------

### Components

Surgical Multi-skill Training Simulator	1
Spare skin	1
Spare vessel	1
Spare bowel	1
Operation manual	1

### Spares

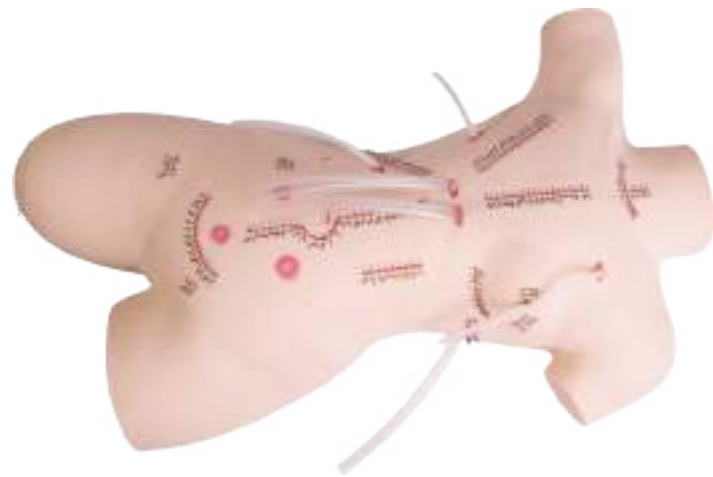
02080149	Spare skin
01003685	Spare vessel (0.5 meters)
01007211/01007212	Spare bowel

## Preoperatively Aseptic Training Model

Product No.: TYE1526

### Outline

Model appearance is realistic with accurate body surface signs and soft skin.



### Features

There are 18 incisions: thyroidectomy, sternotomy, right breast resection, and breast abscess incision, pneumothorax incision, thoracotomy, cholecystectomy, laparotomy, appendectomy, abdominal hysterectomy, Resection, colostomy, ileostomy, cystostomy, femoral artery puncture, and kidney, resection, laminectomy, two stage bedsore, amputation.

### Specifications

Packed weight(kg) & dimensions(cm)	8kg	86l	55w	38h
------------------------------------	-----	-----	-----	-----

### Components

Preoperatively Aseptic Training Model	1
---------------------------------------	---

## Aseptic Surgery and Surgical Incision Design Training Model

Product No.: TYE1534

### Outline

Simulating an adult male torso with obvious anatomical landmarks, sternocleidomastoid muscle, sternal horn, clavicle, etc.



### Features

- Training of disinfection and scar care can be carried out
- It is possible to carry out wound disinfection training and use simulated iodine tincture to show the same effect in human life
- 5 kinds of wound: wound after removal of drainage tube, scar after incision, postoperative wound (small), postoperative wound (middle-size) and postoperative wound (big)
- Designing simulated wounds at any area of the torso, such as thyroidectomy, sternotomy, thoracotomy, liver surgery, appendectomy, nephrectomy, and other types of wounds

### Specifications

Packed weight(kg) & dimensions(cm)	8kg	86l	55w	38h
------------------------------------	-----	-----	-----	-----

### Components

Aseptic Surgery and Surgical Incision Design Training Model	1
---	---

## Electronic Surgical Knot Tying Model

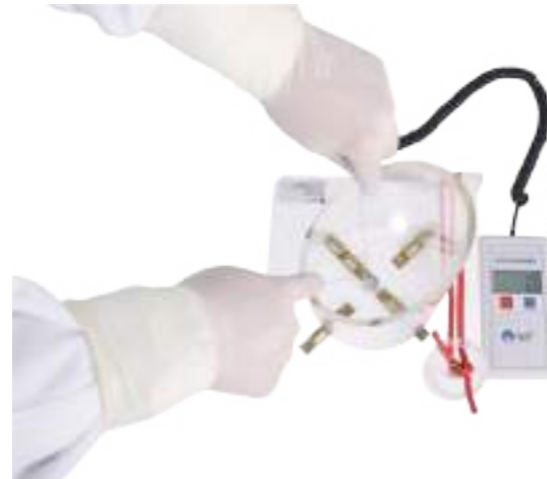
Product No.: TYE4025

### Outline

This model is designed for teaching all surgical knot tying techniques with electronic detection for feedbacks.

### Skills Gained

- Slip knot
- Instrument tie
- Surgeon's knot
- One-handed reef knot technique
- Tying in a limited opening
- Tying at depth vertically, at an angle, in a large opening
- Suture cutting



### Features

- Realism: Parallel knotting tubes are elastic for a realistic response
- Key Features:
  - 1) Unique magnetic system to represent tissue strength
  - 2) Small, shallow fixed cylinder for tying in a small area
  - 3) Large, deep removable cylinder, reversible for angled abdominal and gynecological depth tying
  - 4) Cylinders are transparent to allow the trainer to observe and assess trainees' competence
  - 5) Compact, light and portable
  - 6) The electronic detection can record operation failures when excessive force moves the magnetic hook away from the base

### Specifications

Packed weight(kg) & dimensions(cm)	4.1kg	38.5l	28w	15h
------------------------------------	-------	-------	-----	-----

### Components

Electronic Surgical Knot Tying Model	1
Simulated vessel	2
Cable	1
Control box	1
Operation manual	1

### Spares

01003685	Simulated vessel
01004028	Cable
02070333	Control box

## Knot Tying Trainer

Product No.: TYE4019

### Outline

This product is a comprehensive trainer for teaching all surgical knot tying techniques.

### Skills Gained

- Slip knot
- Instrument tie
- Surgeon's knot
- One-handed reef knot technique
- Tying in a limited opening
- Tying at depth vertically, at an angle, in a large opening
- Suture cutting
- Ligation
- Using vessel clamp



### Features

- Realism: Parallel knotting tubes are elastic for a realistic response
- Key Features:
  - 1) Cylinders are transparent to allow the trainer to observe and assess trainees' competence
  - 2) Unique magnetic system to represent tissue strength
  - 3) Small, shallow fixed cylinder for tying in a small area
  - 4) Large, deep removable cylinder, reversible for angled abdominal and gynecological depth tying
  - 5) Compact and light
  - 6) Vessel ligation module for practice of using vessel clamp, incision and ligation

### Specifications

Packed weight(kg) & dimensions(cm)	3.85kg	38.5l	28w	15h
------------------------------------	--------	-------	-----	-----

### Components

Knot Tying Trainer	1
Simulated vessel	1
Operation manual	1

### Spares

01003685	Simulated vessel
----------	------------------

## Knot Tying Trainer (the Emulational Type)

Product No.: TYE4027

### Outline

The lifelike model allows training and practicing of comprehensive knotting techniques and vascular ligation as well as large-scale training of the students.



### Skills Gained

- One-handed reef knot
- Two-handed reef knot
- Instrument tie
- Surgeon's knot
- Extra half hitch on reef knot
- Tying at depth vertically in a large opening
- Vascular ligation

### Features

- Anatomy: Simulated abdominal cavity, blood vessels and vascular bed
- Key Features:
  - 1) Flexible and elastic abdominal wall for tying in a small opening
  - 2) Easy-removal abdominal wall enables easy replacement of the blood vessels
  - 3) The simulated blood vessels, flexible and realistic, are divided into two different diameters, and can be attached to the simulated vascular bed
  - 4) The blood vessels enable simulated blood infusion
  - 5) Portable, lightweight and easy to carry
  - 6) Simulated blood vessels and vascular bed are replaceable

### Specifications

Packed weight(kg) & dimensions(cm)	2.3kg	22l	22w	15h
------------------------------------	-------	-----	-----	-----

### Components

Knot Tying Trainer (the Emulational Type)	1
Operation manual	1

## Angiodiastasis Ligation Model

Product No.: TYE4026

### Outline

This product is one of the most widely used models for beginners to develop surgical suture skills and learn first aid in clinical surgery.



### Skills Gained

- Incision, ligation, blunt dissection
- Knot tying, ligation, hemostasis, suture, stitches and other surgical operation training

### Features

- Realism: Unique multi-layered pad with realistic tissue tension and elasticity
- Key Features:
  - 1) Simulating bleeding scenario with adjustable flow rate
  - 2) Measuring the volume of hemorrhage
  - 3) Clean and convenient way of liquid collecting into a reservation box

### Specifications

Packed weight(kg) & dimensions(cm)	4.65kg	55.5l	29.5w	30h
------------------------------------	--------	-------	-------	-----

### Components

Angiodiastasis Ligation Model	1
Drainage bag	1
Infusion holder	1
Instruction manual	1

### Spares

02050049	Training Pad
----------	--------------

## VesselBox Ligation Trainer

Product No.: TYE4023

### Outline

This trainer facilitates practice of vessel ligation and aims to improve trainees' ability to deal with simultaneous bleeding of multiple spots.

### Skills Gained

- Handling of instruments
- Vessel ligation techniques
- Handling of simultaneous bleeding

### Features

- The exposed area in the incision has a different color from the simulated skin
- 12 bleeding points can simulate simultaneous bleeding
- Simulated vessels are of different diameters, thus resulting in different bleeding speeds
- Automatic blood collection
- Outside vessel length can be adjusted to fulfil the needs of various difficulty levels

### Specifications

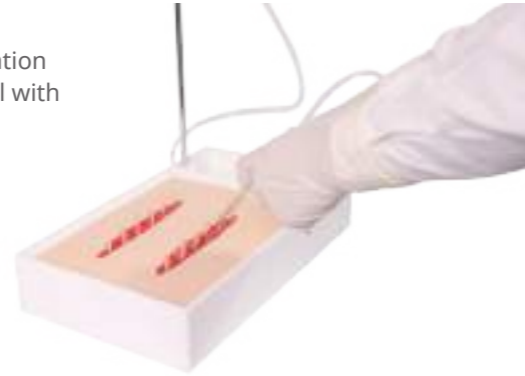
Packed weight(kg) & dimensions(cm)	3.05kg	55.5l	29.5w	30h
------------------------------------	--------	-------	-------	-----

### Components

VesselBox Ligation Trainer	1
Stand	1
Fluid reservoir	2
Simulated vessel	2
Operation manual	1

### Spares

01004436	Simulated vessel
----------	------------------



## Deep Bleeding Knot Tying Trainer

Product No.: TYE4024

### Outline

This trainer is designed for trainees to practice deep bleeding vessel knot tying and ligation techniques, and improves the ability to deal with simultaneous bleeding of multiple spots.

### Skills Gained

- Handling of instruments
- Deep vessel knot tying and ligation techniques
- Handling of simultaneous bleeding
- Suture cutting

### Features

- 4 deep bleeding points can simulate simultaneous bleeding with adjustable bleeding speeds
- Simulated vessels are of different diameters, thus resulting in different bleeding speeds
- Automatic blood collection

### Specifications

Packed weight(kg) & dimensions(cm)	3.25kg	55.5l	29.5w	30h
------------------------------------	--------	-------	-------	-----

### Components

Deep Bleeding Knot Tying Trainer	1
Stand	1
Blood reservoir	1
Blood collection reservoir	1
T-joint	1
Hemostatic pad(with vessel)	1
Operation manual	1

### Spares

01001534	T-joint
02060011	Hemostatic pad(with vessel)



## Abdominal Opening and Closure Trainer

Product No.: TYE4016

### Outline

This trainer is a multi-layered abdominal wall pad mounted on a base for teaching all surgical access and closure techniques to the abdomen.

### Skills Gained

- Incisions: linear, ellipse, flaps, shaped
- Insertion of a veress needle
- Insertion of a trocar
- Hassen technique
- DPL techniques
- Simple and advanced interrupted suturing techniques
- Subcuticular undermining
- Subcuticular suturing
- Stapling
- Continuous suturing
- Use of adhesive strips
- Cleansing operation area skills
- Changing medication



### Features

- Anatomy: 5-layered pad represents the realistic local abdominal wall anatomy: skin, hypodermia, fascia, peritoneum and intestinal canal
- Realism: High-quality material simulates different tissue tension
- Versatility: Convenient and easy replacement
- Key Features:
  - 1) Several incisions can be done on the abdominal wall
  - 2) Practice layer-by-layer incision, suture, knotting, stitches removal etc.

### Specifications

Packed weight(kg) & dimensions(cm)	3.6kg	30l	30w	20h
------------------------------------	-------	-----	-----	-----

### Components

Abdominal Opening and Closure Trainer	1
Operation manual	1

## Great Saphenous Vein Catheterization Trainer

Product No.: TYE1305

### Outline

Realistic reproduction of the lower limb of an adult male for training of the great saphenous vein incision and catheterization.



### Skills Gained

- Skin disinfection
- Position selection
- Incision on skin
- Angiodiastasis
- Incision and catheterization
- Suture

### Features

- Anatomy: Represents anatomy of lower limb precisely for multiple training purposes

### Specifications

Packed weight(kg) & dimensions(cm)	1.6kg	39l	26w	14h
------------------------------------	-------	-----	-----	-----

### Components

Great Saphenous Vein Catheterization Trainer	1
Spare skin	1
Fluid reservoir	1
Operation manual	1

### Spares

02050016	Spare skin
----------	------------

## Knee for Aspiration

Product No.: TYE4715

### Outline

Adult knee model with accurate anatomy for training of knee joint injection and synovial fluid aspiration.



### Skills Gained

- Patient positioning and management
- Palpation method
- Injection into joint cavity
- Aspiration of synovial fluid
- Recognition of joint effusion

### Features

- Anatomy: Precise anatomical structure with body landmarks including tibia, femoral, collateral ligaments, cruciate ligaments, patellar ligaments, fat pad, meniscus and synovial sac
- Key Features:
  - 1) Precise anatomy for palpation purposes
  - 2) Muscle and skin layers provide realistic tissue and needle response
  - 3) Synovial sac with fluid bag incorporated a one-way valve for recharging with aspirant
  - 4) Real fluids suctioned from joint capsule
  - 5) Durable high polymer material
  - 6) Simplified design for ease-of-use
  - 7) High quality base for model stabilization

### Specifications

Packed weight(kg) & dimensions(cm)	4kg	39l	18w	20h
------------------------------------	-----	-----	-----	-----

### Components

Knee for Aspiration	1
Operation manual	1

## Knee for Joint Injection

Product No.: TYE4614

### Outline

Adult knee model with accurate anatomy for training of knee joint injection and synovial fluid aspiration.



### Skills Gained

- Patient positioning and management
- Palpation method
- Injection into joint cavity
- Aspiration of synovial fluid
- Recognition of joint effusion

### Features

- Anatomy: Precise anatomical structure with body landmarks including tibia, femoral, collateral ligaments, cruciate ligaments, patellar ligaments, fat pad, meniscus and synovial sac
- Key Features:
  - 1) Precise anatomy for palpation purposes
  - 2) Muscle and skin layers provide realistic tissue and needle response
  - 3) Synovial sac with fluid bag incorporated a one-way valve for recharging with aspirant
  - 4) Real fluids suctioned from joint capsule
  - 5) Durable high polymer material
  - 6) Simplified design for ease-of-use
  - 7) High quality base for model stabilization
  - 8) The control box can provide smart feedback for assessment. When the injection site is correct, the green light will be on

## Shoulder for Joint Injection

Product No.: TYE4738

### Outline

Shoulder model with accurate anatomy for training of shoulder joint injection and palpation technique.



### Skills Gained

- Patient positioning and management
- Palpation method
- Injection into joint cavity

### Features

- Anatomy: Precise anatomical structure with body landmarks including scapula, clavicle, humerus, deltoid, biceps muscle of arm and ligament of shoulder joint
- Key Features:
  - 1) Precise anatomy for palpation and injection positioning
  - 2) Standard position, easy for operation training
  - 3) Six injection sites:
    - △ Cavity of shoulder joint (anterior access)
    - △ Cavity of shoulder joint (rear access)
    - △ Subacromial bursa
    - △ acromioclavicular joint
    - △ Tendon sheath of long head of biceps brachii
    - △ Suprascapular nerve block
  - 4) The control box can provide smart feedback for assessment. When the injection site is correct, the green light will be on
  - 5) Durable high polymer material; replaceable skin
  - 6) Simplified design for ease-of-use
  - 7) High quality base for model stabilization

## Elbow for Joint Injection

Product No.: TYE4737

### Outline

Elbow model with accurate anatomy, used for elbow joint injury therapy training and intra-articular injection training.



### Skills Gained

- Golfer's elbow & Tennis elbow positioning placement
- Palpation method
- Injection into joint cavity

### Features

- Anatomy: Precise anatomical structure with body landmarks including medial epicondyle of humerus, lateral epicondyle of humerus, cubital nerve, ulna, radial bone and cavity of elbow joint
- Key Features:
  - 1) Precise anatomy for palpation purposes
  - 2) Elbow joint bent, and can rotate along a fixed axis
  - 3) The control box can provide smart feedback for assessment. When the pressure point is correct, the yellow light will be on; when the injection site correct, the green light will be on; when the needle inserted incorrectly, the red light will be on
  - 4) Durable high polymer material
  - 5) Simplified design for ease-of-use
  - 6) High quality base for model stabilization



## Ankle Injection Model

Product No.: TYE4692

### Outline

Specifically designed for training of ankle injection.



### Skills Gained

- Palpation on anatomic landmarks
- Injection skills

### Features

- Anatomy:
  - 1) Realistic soft skin and anatomic structure of feet and ankle joint with obvious landmarks
  - 2) Joint mobility
- Key Features:
  - 1) Soft tissues injection and intraarticular injection in different parts of feet and ankle joint including plantar fascia, achilles bursa, tibial astragaloid joint, articulation subtalaris, metatarsophalangeal joint, Morton's neuroma, sinus tarsi, tarsal tunnel
  - 2) It has control box of intelligent evaluation system. Pilot light will be on correspondingly whenever right operation or damaged nerves happen

### Components

Ankle Injection Model	1
Control box	1
Syringe (5ml)	1
Cloth	1
Operation manual	1

## Wrist Joint Injection Model

Product No.: TYE4693

### Outline

For practice and training of wrist joint injection.

### Skills Gained

- Palpation on hand and wrist joint
- Recognition of anatomical landmarks
- Puncture skills

### Features

- Anatomy:
  - 1) Accurate anatomical structure of hand and wrist
  - 2) Obvious landmarks including nerves, blood vessels, tendons
- Key Features:
  - 1) Injection training and practice can be done in tendon sheath of different wrist parts or in the articular cavity
  - 2) Control box connected with hand model for assessment: the indicator lights will display yellow when operating correctly and red when injuring nerves
  - 3) Replaceable hand skin made of natural Latex



## Knee Arthroscopy Model

Product No.: TYE4707

### Outline

Made of imported polymer materials, suitable for training of various arthroscopy procedures.

### Skills Gained

- Anatomical structure knowledge
- Arthroscopy procedures

### Features

- Anatomy: Adult knee model including skin, muscle, femur, tibia, fibula, patella, patella fat pad, cruciate ligament, medial and lateral meniscus and articular cavity
- Key Features:
  - 1) Can be steadily mounted on table
  - 2) Can be disassembled for demonstration of knee joint function
  - 3) For training of various arthroscopy procedures



## Wrist Arthroscopy Model

Product No.: TYE4731

### Outline

For practice and training of various wrist arthroscopy procedures.



### Skills Gained

- Anatomical structure knowledge
- Wrist arthroscopy procedures

### Features

- Anatomy:  
The model simulates a right forearm connected to the palm, including structures of skin, radius, ulna, carpus, wrist joint disc (triangular fibrocartilage disc) and interarticular ligaments
- Key Features:
  - 1) Two wrist joint operative approaches on lateral side of dorsal carpal are available, which are radiocarpum dorsal approach and ulna approach
  - 2) Joint examination and multiple arthroscopy methods training is applicable
  - 3) The model can be fixed on a table steadily
  - 4) The model has replaceable ligaments
  - 5) It is also can be a model for demonstration of wrist joint

### Components

Wrist Arthroscopy Model	1
Cloth	1
Operation manual	1

## Shoulder Arthroscopy Model

Product No.: TYE4735

### Outline

For practice and training of various arthroscopy procedures.



### Skills Gained

- Standard positioning
- Arthroscopy procedures

### Features

- Anatomy:  
Standard anatomical structures including skin, musculi rotatores, tendon and articular capsule of shoulder surrounded by ligaments
- Key Features:
  - 1) Two sites for practice and training of various arthroscopy procedures: shoulder joint and bicipital muscle of arm
  - 2) Can be disassembled for demonstration of shoulder joint function

## Intestinal Anastomosis Model

Product No.: TYE4017

### Outline

Realistic double layered intestinal canal for learning and practice of intestinal anastomosis.



### Skills Gained

- Intestinal anastomosis

### Features

- Two types: 30mm and 20mm diameter are available
- With serosa and mucous layer, the intestinal canal can be used to practice various intestinal anastomosis

## Fingernail Removal Trainer

Product No.: TYE1031

### Outline

This trainer simulates complete forearm with hand and gives users a more realistic feeling. The fingernails can be used repeatedly.



### Skills Gained

- Fingernail removal can be trained

### Features

- Anatomy: Represents skin, fingernail, and nail bed
- Key Features: Holders are included to stabilize the fingers during operation
- Care: Fingers can be easily replaced

### Specifications

Packed weight(kg) & dimensions(cm)	1.9kg	40.5l	31.5w	24h
------------------------------------	-------	-------	-------	-----

### Components

Fingernail Removal Trainer	1
Fingernails	10
Operation manual	1

## Tendon Repair Model

Product No.: TYE4730

### Outline

Amplified finger model for training of tendon repair.

### Skills Gained

- Tendon repair

### Features

- Anatomy: Amplified finger with layered flexor tendon
- Key Features:
  - The model can be bended at any angle
  - Equipped with antiskid base, convenient for layered suture of flexor tendon, trimming of tendon edge and subcutaneous suture of tendon etc.

### Components

Tendon Repair Model	1	Surgical blades	1
Scissors	2	Suture line	1
Needle	10	Cloth	1
Forceps	2	Operation manual	1



## Lipoma Resection Model

Product No.: TYE4732

### Outline

For practice and training of basic surgical skills.

### Skills Gained

- Basic surgical skills including resection and suturing etc.

### Features

- Contains three kinds of disease models: skin tag, skin nevus, seborrheic keratosis
- For training of surgeries including skin wart nevus resection, seborrheic keratosis curettage and other basic skills



## Rectal Digital Examination Trainer



Product No.: TYE1804

### Outline

This product is designed for digital rectal examination. With correct anatomical structure and realistic feel and touch, it's an ideal choice for repeatable training in the core skill of rectal examination.

### Skills Gained

- Anatomy learning
- Familiar with rectal examination positions and procedures
- Palpation of prostate
- Rectal pathology identification

### Features

- Anatomy: Buttocks, anus, rectum, prostate and perineum
- Realism:
  - 1) Thigh-to-buttocks model supports prone and lateral positioning.
  - 2) High-quality and durable material provides realistic feel and touch.
- Key Features:
  - 1) Changeable perineum and prostate
  - 2) Normal and pathological rectal conditions
  - 3) Supports examination for rectal polyps, internal hemorrhoid and tumors
  - 4) Glove stained with blood can be simulated
  - 5) 7 prostate modules include normal, benign unilateral enlarged, BPH, unilateral carcinoma, 2 kinds of bilateral carcinoma, prostate cysts



### Specifications

Packed weight(kg) & dimensions(cm)	7.3kg	55.5l	43.5w	30.5h
------------------------------------	-------	-------	-------	-------

### Components

Rectal Digital Examination Trainer	1
Prostate module(set)	1
Diseased rectal module	1
Silicone support block	1
User Manual	1

### Spares

02050533	Normal prostate	02050545	Bilateral carcinoma prostate I
02050541	Benign unilateral enlarged prostate	02050546	Bilateral carcinoma prostate II
02050542	BPH	02050547	Rectal palpation-Cancer
02050543	Prostate cysts	02060587	Normal rectal module
02050544	Unilateral carcinoma prostate	02060588	Diseased rectal module

## Perianal Abscess Trainer



Product No.: TYE1805

### Outline

This brand new trainer simulates an adult's lower abdomen to the upper 1/3 of the thigh, which can be placed in prone and lateral positions. It has accurate anatomical structures like anus, anal canal and rectum, and it's an ideal choice for perianal palpation, abscess cutting and drainage.



### Skills Gained

- Perianal palpation
- Abscess cutting and drainage
- Digital rectal examination

### Features

- Anatomy: Anus, anal canal and rectum
- Key Features:
  - 1) The local skin near the anus can be seen red and swollen
  - 2) You can feel it when you palpate it and the abscess can be incised and drained
  - 3) The anus is in a closed state in its natural state
  - 4) Digital rectal examination can experience the force feedback of the anal sphincter, and the anal canal and abscess sinus tract can be touched

### Specifications

Packed weight(kg) & dimensions(cm)	7.2kg	46l	41.5w	29h
------------------------------------	-------	-----	-------	-----

### Components

Perianal Abscess Trainer	1
Perianal abscess module	1
Operation Manual	1

## Advanced Rectal Touch Examination Model

Product No.: TYE4681

### Outline

Rectal digital examination is the most necessary and simple method for the examination of benign prostatic hyperplasia (BPH) and rectal tumor. The anatomical structure of the model is clear, with the structures of anus, rectum and prostate. The model is vivid and realistic, and it is easy to replace the rectum components connected with prostate. This product is made of imported plastic material, which is exquisite and durable.



### Skills Gained

- Palpation of prostate
- Rectal palpation

### Features

- Prostate palpation
  - 1) Normal prostate: simulated chestnut size, transverse diameter 4cm, vertical diameter 3cm, anteroposterior diameter 2cm. There is a shallow trench ditch behind the middle of prostate gland
  - 2) Benign prostatic hyperplasia: I degree hyperplasia of the prostate, prostate enlargement, the size of the simulated eggs, flat behind the prostate, the middle ditch shallow
  - 3) Benign prostatic hyperplasia: II degree hyperplasia of the prostate, moderate enlargement of the prostate, the size of the simulated duck eggs, prostatic groove disappeared
  - 4) Benign prostatic hyperplasia: III degree hyperplasia of the prostate, severe swelling, surface rules, hard texture, simulation of goose egg size, can't touch the bottom of the prostate
- Rectal palpation
  - 1) Normal rectum
  - 2) Rectal polyps: the surface of the posterior wall of the rectum can touch nodules and lumps, and the texture is hard
  - 3) Early rectal cancer: the surface of the posterior wall of the rectum can touch nodules and masses, and the surface is uneven. Hard texture, for the late stage of rectal cancer development

Pediatric

## Guardian Baby



**Product No.:** TYE9042  
**Product No.:** TYE9042.1(Pack of 6)

### Outline

This model represents a three-month-old infant, designed for basic CPR training, assessment and debriefing with operation data can be displayed in real time. An ideal choice for trainees not only learning how to perform good quality CPR but also remembering how to do it so they are ready if the time comes to perform for real.

### Skills Gained

- Familiar with the anatomy
- Easily understanding the purpose and principles of CPR, and helping enhance the educational learning because of the real-time feedback
- Tibial puncture

### Features

- Manikin:
  - 1) Life-like baby with correct anatomical structures & palpable bony landmarks including manubrium sterni, xiphoid process, etc.
  - 2) Movable neck and limbs with soft and real feel
  - 3) The airway can be opened by head tilt–chin lift and jaw thrust. Whether the airway is open can be detected
  - 4) Ventilation can be performed by mouth-to-mouth and BVM. Tidal volume can be detected and evaluated automatically
  - 5) Locate compression position by nipple line
  - 6) One-person CPR and two-person CPR & 30: 2 and 15:2 compression ventilation ratio
  - 7) When perform CPR, compression data can be displayed in real time. Compression depth, the number of compressions and compression position can be detected. The manikin supports over 80,000 times of chest compression
  - 8) Heimlich maneuver can be performed. Backslaps and abdominal thrusts can be detected and the operation cycles will be recorded automatically
  - 9) Artificial brachial artery pulse
  - 10) Real puncture needles can be used for tibial puncture, which fluid can be withdrawn or injected along the access. The puncture site is durable and replaceable
  - 11) Built-in lithium battery with a continuous runtime over 3 hours
  - 12) Wireless design
  - 13) The manikin supports over 100000 times of chest compression
  - 14) **Guardian Baby (Pack of 6) can control over six baby models for training and examination with operation data from each model displayed**
- Software:
  - 1) The software can be installed in any terminal such as mobile phone, tablet, PC, etc., compatible with Windows, Android and other mainstream operating systems. No need for pre-installing to realize wireless communication
  - 2) Two modes: Instructor mode & Learner mode
    - a. CPR training with real-time operation data display and objective evaluation
    - b. Training duration can be customized
  - 3) Compliant with 2020 AHA guidelines
  - 4) Operation data during the training such as compression depth, rate, position, airway opening will be displayed in real time. Users can view the details, convenient to correct improper operation
  - 5) All training and assessment data can be automatically saved. Users can view details of a certain training,



including the total training scores, total training duration, number of cycle, compression, ventilation, airway opening etc.

- 6) Data playback for reviewing, evaluation and debriefing
- 7) It's possible to save and export results
- 8) It's possible to automatically calibrate time to ensure the time of the score list matches the time of the device
- 9) Guardian Baby (Pack of 6) support integrating the objective training data collected by the sensor and the instructor's subjective data to generate an exportable training transcript
- 10) Guardian Baby (Pack of 6) offers optional router mode and network mode



### Specifications

Packed weight(kg) & dimensions(cm)	3.8kg	64l	20w	36h
------------------------------------	-------	-----	-----	-----

### Guardian Baby Components

Guardian Baby	1
Tibial puncture leg	1
Compression spring	1
Power adapter	1
Lung bag	5
Operation Manual	1

### Guardian Baby Components

Guardian Baby (Pack of 6)	1
Tibial puncture leg	6
Compression spring	6
Power adapter	6
Router	1
Lung bag	30
Operation Manual	6

## All-purpose Pediatric Care Simulator

Product No.: TYE9021

### Outline

This product simulates 5-year old child with multiple functions and operations available.



### Skills Gained

- Practice of IV puncture with realistic “pop” and blood backflow
- Catheterization
- Enema administration
- Practice of body enswathement, scouring bath and changing clothes
- Care and medication on ocular region
- Oral hygiene, auditorius scour
- Tracheotomy care, finger stick
- Intramuscular injection
- Placement of nasal and oral gastric tubes, TB experiment
- Colostomy and ileotomy care
- Venipuncture training, intraosseous injection



### Features

- Anatomy: blinking eyes, teeth, tongue, canals auricularis, tracheotomy wound, elbow vein and antebrachium vein, abdominal wall, ileostomy, vastus lateralis, male/female organs, anus, stomach, lungs, bladder
- Realism:
  - 1) Active joints in various decubitus positions include: cervical vertebra, shoulder joint, elbow joint, wrist joint, hip joint and knee joint
  - 2) Inside organs include stomach, lung, bladder and intestines
  - 3) Interchangeable boy and girl genitalia

### Key Features:

- 1) IV training arm with realistic “pop” and blood backflow
- 2) BPSim module (Optional)
  - Non-invasive blood pressure can be measured with real BP monitor; stethoscope included Korotkoff sound
  - Pressure value is displayed through dynamic mmHg, value can be precisely set to 1mmHg
  - Systolic blood pressure, diastolic blood pressure, volume and pulse rate can be set. Adjustable range: 0-300mmHg
  - Systolic & diastolic pressure, volume and heart rate can be displayed on the LED screen simultaneously
  - Automatic calibration, low power consumption. The system will shut down after 10 mins of non-operation. Battery can be used for at least 1 semester
- 3) AUDSim module (Optional)
  - Normal and abnormal heart sounds (14), breath sounds (13) and bowel sounds (6), as well as patient’s voice (21) for selection
  - User-friendly interface, easy to operate
  - 5 different kinds of sounds can be played at the same time and at any combination with corresponding status showing on the screen
  - Multi-language interface (Chinese and English)
  - Earphone can be used for self-study. Teacher can use sound box to broadcast sounds to demonstrate. There is also a speaker inside the simulator
  - 5V DC power supply

### Specifications

Packed weight(kg) & dimensions(cm)	15.1kg	112.5l	51.5w	24.5h
------------------------------------	--------	--------	-------	-------

### Components

All-purpose pediatric care simulator	1
Catheter	1
Anal canal	1
Clothes	1
Liquid reservoir	1
2ml Syringe	1

### Spares

02060262	IV arm
02060263	BP arm
02060264	Hemostatic arm
02060265	Bone puncture lower leg
02060266	Finger blood collection module

## Components

Life sign simulator	1
Adapter	1
BP Arm	1
BP Arm controller box	1
Stethoscope	1
Sphygmomanometer	1
Male genital	1
Female genital	1
IV Arm	1
Bottle type infusion device	1
Simulated calf	1
50ml Syringe	1
Pressure hemostasis in right upper limb with index finger	1
Finger blood collection module	1
Instruction manual	1

## Spares

01003192	Stethoscope
02010228	Male genitals
02010229	Female genitals
02080202	Bone puncture puncture module
02010546	Calf outer skin

## All-purpose Pediatric Care Simulator (Basic)

Product No.: TYE9021.1

### Outline

This product simulates 5-year old child with multiple functions and operations available. The joints are flexible for movement, which allow various postures of the simulator.



### Skills Gained

- Catheterization
- Enema administration
- Practice of body enswathement, scouring bath and changing clothes
- Care and medication on ocular region
- Oral hygiene
- Acoustic meatus cleaning
- Tracheotomy care
- Intramuscular injection
- Placement of nasal and oral gastric tubes
- Oral, nasal, and tracheal suctioning
- Colostomy and ileotomy care



### Features

- Active joints in various decubitus positions include: cervical vertebra, shoulder joint, elbow joint, wrist joint, hip joint and knee joint
- Inside organs include stomach, lung, bladder and intestines, which liquid can be injected and come out
- Interchangeable boy and girl genitalia, allowing for catheterization



## Intelligent Baby for Touching Training NEW

Product No.: TYE9032.1

### Outline

This model simulates a real male newborn baby with true-to-life appearance. It can be used for newborn touching training. The model can connect with mobile phones. Trainees can view the training result through the web-based software.

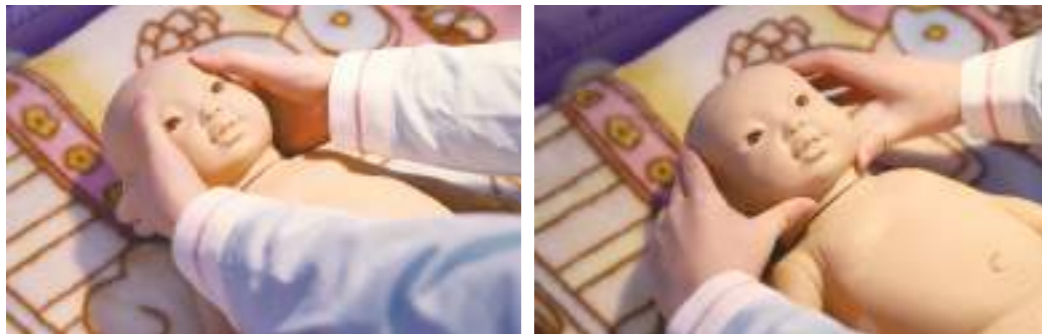


### Skills Gained

- Touching training including touching position and sequence
- Cleaning and nursing operation of the scrotum of the genitalia

### Features

- Realism: Realistic appearance for immersive practice experience for trainees
- Key Features:
  - 1) The model is a male newborn with movable neck, shoulder and hip joints.
  - 2) The model's head, left and right palms, genitals and perineum use skin-like materials, soft and elastic.
  - 3) Five fingers of each palm are separated, which independent operation on each finger is supported.
  - 4) The scrotum of the genitalia simulates the real baby, and can be lifted for cleaning and nursing operations.
  - 5) Built-in high-performance microcomputer with 1.5G4 core, 64-bit Cortex-A72 CPU, 4GB of LPDDR4 SDRAM, no less than 32G TF card storage.



- 6) The model can connect with mobile phones by wifi wireless connection. The mobile phone scans the two-dimensional code to connect the model, and the built-in microcomputer as the server is compatible with both android/ ios-based mobile phones.
- 7) The high-sensitivity human body touch sensor is used to detect the touching movement.
- 8) Touching taboo points detection in the nipples, belly button and bregma.
- 9) The software can automatically judge whether the touching position and sequence is correct, whether taboo points are touched, and give an automatic score.
- 10) User's information and operation records can be viewed, which touching point and touching duration can be displayed, convenient for user to review and improve touching technique.
- 11) Built-in sounding mechanism to give voice feedback. The voice is taken from a real baby, and can automatically laugh or cry according to the touching is correct or not.

### Specifications

Packed weight(kg) & dimensions(cm)	kg	l	w	h
------------------------------------	----	---	---	---

### Components

Intelligent Baby for Touching Training	1
Operation Manual	1

## Intelligent Baby (Boy)

Product No.: TYE9026

### Outline

This lovely simulator acts like a real baby and is perfect for practice of neonate care.



### Skills Gained

- Practice and learn all techniques and skills of baby care
- Tracheostomy care
- Rectal temperature measurement

### Features

- Realism: A 3 to 6 months baby with articulating legs and arms
- Key Features:
  - 1) 6 neonate conditions (normal, hungry, over fed, wet, fevering and scared)
  - 2) Rectal thermometry: real-time vocal prompt of pulse rate and temperature
  - 3) Different modes includes manipulation of rectal thermometry, feeding, replacing diaper and bathing, etc.
  - 4) Automatic change from normal mode to hungry or wet mode, then to over fed mode after feed

### Specifications

Packed weight(kg) & dimensions(cm)	2.75kg	55.5l	33.5w	20h
------------------------------------	--------	-------	-------	-----

### Components

Intelligent Baby (Boy)	1
Feeding bottle	1
Thermometer	1

### Spares

02010094	Spare head skin
----------	-----------------

## Intelligent Baby (Girl)

Product No.: TYE9027

### Outline

This lovely simulator acts like a real baby and is perfect for practice of neonate care.



### Skills Gained

- Practice and learn all techniques and skills of baby care
- Tracheostomy care
- Rectal temperature measurement

### Features

- Realism: A 3 to 6 months baby with articulating legs and arms
- Key Features:
  - 1) 6 neonate conditions (normal, hungry, over fed, wet, fevering and scared)
  - 2) Rectal thermometry: real-time vocal prompt of pulse rate and temperature
  - 3) Different modes includes manipulation of rectal thermometry, feeding, replacing diaper and bathing, etc.
  - 4) Automatic change from normal mode to hungry or wet mode, then to over fed mode after feed

### Specifications

Packed weight(kg) & dimensions(cm)	2.75kg	55.5l	33.5w	20h
------------------------------------	--------	-------	-------	-----

### Components

Intelligent Baby (Girl)	1
Feeding bottle	1
Thermometer	1

### Spares

02010094	Spare head skin
----------	-----------------

## Neonate Care Manikin (Boy)

Product No.: TYE9022

### Outline

This manikin simulates neonate caring skills in daily life.



### Skills Gained

#### Possible care processes:

- Holding the baby
- Cleaning ears, eyes and nose
- Umbilical nub care & skin care
- Changing clothes and diaper
- Measuring height and weight
- Measuring chest circumference, head circumference and abdominal circumference
- Skin care; wearing arm band
- Bathing & feeding

### Features

- Normal neonate size with arms and legs rotatable within the torso body

### Specifications

Packed weight(kg) & dimensions(cm)	1.15kg	51.5l	21w	14h
------------------------------------	--------	-------	-----	-----

### Components

Neonate Care Manikin (Boy)	1
Instruction manual	1

## Neonate Care Manikin (Girl)

Product No.: TYE9023

### Outline

This manikin simulates neonate caring skills in daily life.



### Skills Gained

#### Possible care processes:

- Holding the baby
- Cleaning ears, eyes and nose
- Umbilical nub care & skin care
- Changing clothes and diaper
- Measuring height and weight
- Measuring chest circumference, head circumference and abdominal circumference
- Skin care; wearing arm band
- Bathing & feeding

### Features

- Normal neonate size with arms and legs rotatable within the torso body

### Specifications

Packed weight(kg) & dimensions(cm)	1.15kg	51.5l	21w	14h
------------------------------------	--------	-------	-----	-----

### Components

Neonate Care Manikin (Girl)	1
Instruction manual	1

## Combined Neonate Care Manikin

Product No.: TYE9024

### Outline

The product is a life-size neonatal trainer that allows for the practice of a range of skills, including NGT insertion, IM injections and umbilical care.



### Skills Gained

- Umbilical nub care
- Nasogastric tube insertion
- Catheterization
- Enema administration
- Rectal temperature measurement
- Intramuscular injection at buttocks
- Daily care including bathing, wrapping, changing clothes and nappy

### Features

- Anatomy: A life-size neonate with umbilical nub, fontanel, movable shoulder, hip, knee and neck joint
- Realism: umbilical cord, male and female interchangeable genitalia, urethra, anus
- Key Features:
  - 1) Insertion of gastric tube via nasal passage
  - 2) Interchangeable male/female reproductive organs
  - 3) Upper and lower limbs are removable
  - 4) Different postures can be achieved
  - 5) Life-like organs such as lungs, heart, stomach, diaphragm, intestine, bladder inside the abdominal cavity

### Specifications

Packed weight(kg) & dimensions(cm)	2.75kg	51.5l	33.5w	20h
------------------------------------	--------	-------	-------	-----

### Components

Combined Neonate Care Manikin	1
3.5mm Trachea cannula	1
Instruction manual	1

### Spares

02010102   Spare head skin
----------------------------

## Neonate Airway Management Trainer

Product No.: TYE9025.1

### Outline

This product is for neonate airway management. With realistic feel, touch and appearance of a newborn head, it's a good choice for learners and instructors to learn and teach tracheal intubation. Besides correct anatomical structures, it also provides intubation and ventilation feedback.



### Skills Gained

- Neonate anatomical understanding
- Intubation techniques
- Tools handling
- Ventilation techniques

### Features

- Life-size head of a newborn baby with mouth open
- Realistic and accurate anatomical structures including mouth, tongue, uvula, trachea, bronchi and lungs
- Correct ventilation will lead to bulging lung bags
- Durable material with realistic feel and touch
- Compact table-top design with a transparent mounting-base
- Open view at the bottom of the head for intubation feedback
- Ideal choice for learning intubation and ventilation skills and all kinds of tools

### Specifications

Packed weight(kg) & dimensions(cm)	3.8kg	48l	39w	24h
------------------------------------	-------	-----	-----	-----

### Components

Neonate Airway Management Trainer	1
Carrying case	1
User Manual	1

## Infant Tracheostomy Care Manikin

Product No.: TYE9025.3

### Outline

This manikin is designed for tracheostomy care skills training.



### Skills Gained

- Neonatal tracheotomy care
- Daily care including bathing, wrapping, changing clothes and nappy
- Suctioning

### Features

- Anatomy: A life-size neonate with movable shoulder, hip, knee and neck joint
- Realism: Upper and lower limbs are removable
- Key Features:
  - 1) Anterior tracheotomy incision
  - 2) Tracheal cannula

### Specifications

Packed weight(kg) & dimensions(cm)	1.2kg	51.5l	21w	14h
------------------------------------	-------	-------	-----	-----

### Components

Infant Tracheostomy Care Manikin	1
3.5mm Tracheal cannula	1
Baby diapers	1

## Pediatric Transparent Nasal Feeding and Gastric Lavage Model

Product No.: TYE1560

### Outline

This manikin is designed for nasal feeding and lavage training in medical and nursing colleges.



### Skills Gained

- Gastric lavage
- Nasal feeding

### Features

- Anatomy: A half-body neonate manikin with transparent front cover
- Realism: Realistic anatomical structures of nose, throat, trachea, esophagus and lung
- Key Features:
  - 1) Conveniently checking teaching and operating practices
  - 2) Swallowing movements of epiglottis by dragging handle

### Specifications

Packed weight(kg) & dimensions(cm)	2.65kg	60l	41.5w	20.5h
------------------------------------	--------	-----	-------	-------

### Components

Pediatric Transparent Nasal Feeding and Gastric Lavage Model	1
Pillow	1
Disposable nasal tube	1
50ml Syringe	1
Instruction manual	1

## Infant Transparent Lavage Model

Product No.: TYE1559

### Outline

This infant manikin is designed for lavage training in medical and nursing colleges.



### Skills Gained

- Gastric lavage
- Gastrointestinal decompression
- Nasal feeding
- Orotracheal intubation

### Features

- Realism: Life-like anatomical structures including double lungs, esophagus, stomach, diaphragm, liver, spleen, intestine
- Key Features:
  - 1) Transparent front cover for directly observing the internal anatomical structures and tube location
  - 2) Conveniently checking teaching and operating practices

### Specifications

Packed weight(kg) & dimensions(cm)	2.8kg	48l	38.5w	24h
------------------------------------	-------	-----	-------	-----

### Components

Infant Transparent Lavage Model	1
Gastric tube	1
50ml Syringe	1
Pillow	1
Instruction manual	1

## Venipuncture Training Baby Head

Product No.: TYE4724

### Outline

This realistic model is designed to improve patient nursing care skills for medical learners in social training institutions, hospitals, medical colleges, health schools.



### Skills Gained

- Venipuncture on infant head

### Features

- Anatomy: Lifelike reproduction of a six-month infant head with complete head and neck structures
- Realism: Soft and pliable skin
- Key Features:
  - 1) Many veins for injection (forehead vein, superficial temporal vein, posterior auricular vein, occipital vein)
  - 2) Artificial blood flows back when insertion is correct

### Specifications

Packed weight(kg) & dimensions(cm)	3kg	38l	18w	31.5h
------------------------------------	-----	-----	-----	-------

### Components

Venipuncture Training Baby Head	1
Suitcase	1
Infusion support	1
Infusion bottle	1
Dust-proof pad	1
Needle tubing	1
Instruction manual	1

## Venipuncture Training Baby Head with Rotatable Valves

Product No.: TYE4740

### Outline

Designed with a rotary component to remove punctured and damaged vein away and to avoid fluid leakage, this realistic model is designed to improve patient nursing care skills for medical learners in social training institutions, hospitals, medical colleges, health schools.



### Skills Gained

- Venipuncture
- Transfusion
- Blood drawing

### Features

- Anatomy: Lifelike reproduction of a six-month infant head which can be lifted and left angled
- Key Features:
  - 1) Blood can be infused for realistic flashback
  - 2) Carefully designed with a rotary component to move the punctured and damaged segment of vein away
- An external fluid bag supplying blood to the vessels conveniently.

### Specifications

Packed weight(kg) & dimensions(cm)	3.45kg	37.5l	19.5w	25h
------------------------------------	--------	-------	-------	-----

### Components

Venipuncture Training Baby Head with Rotatable Valves	1
Instruction manual	1

## Infant IV Arm

Product No.: TYE1032

### Outline

Practice of techniques of extremity venipuncture procedures and fluid administration in the superficial veins of an infant hand.



### Skills Gained

- Practice of venipuncture
- Transfusion
- Blood drawing

### Features

- Realism: Lifelike infant left arm with vivid skin texture
- Key Features:
  - 1) Venipuncture in antecubital fossa and dorsum of the hand
  - 2) Blood can be infused for realistic flashback

### Specifications

Packed weight(kg) & dimensions(cm)	1.1kg	44.5l	16w	15.5h
------------------------------------	-------	-------	-----	-------

### Components

Infant IV Arm	1
Disposable scalp needle	1
Liquid reservoir	1
Instruction manual	1

### Spares

02080010	Spare skin
02080011	Spare vein

## Infant Scalp Puncture Model

Product No.: TYE1556

### Outline

This model simulates a real 9 to 10-month infant from head to upper abdomen with its height of 36cm. It's an ideal choice for scalp puncture demonstration, training and assessment.



### Skills Gained

- Scalp puncture
- Transfusion

### Features

- Realism: Supple and elastic simulated skin, providing realistic practice for trainees
- Key Features:
  - 1) The model's head can be rotated 50-70 degrees left and right.
  - 2) There are blood vessels on the left and right sides for puncture.
  - 3) Puncture can be performed for many times at the same position.
  - 4) Simulated blood vessels can be replaced independently.
  - 5) An external infusion bag can be connected, and blood return can be simulated after successful punctures.

### Specifications

Packed weight(kg) & dimensions(cm)	3.8kg	37.8l	19.5w	25h
------------------------------------	-------	-------	-------	-----

### Components

Infant Scalp Puncture Model	1
Head skin	1
Simulated blood vessels (50cm)	2
Puncture needle	1
Syringe	1
Operation Manual	1

## Neonate Umbi Care Manikin

Product No.: TYE9025.2

### Outline

This lifelike manikin is designed for the training of neonate umbilical catheterization and relevant basic care.



### Skills Gained

- Practice of neonate umbilical cord cutting and clamping
- Practice of using cotton thread, rubber ring and umbilical cord clamps;
- Neonate bathing, dressing, changing diapers and other basic care

### Features

- Anatomy: Neonate body with articulating head, legs and arms
- Realism: Soft and elastic umbilical cord with two arteries and vein for:
  - 1) Low UAC
  - 2) High UAC
- Key Features:
  - 1) Neonate umbilical cord injury caused by misuse of silk thread ligation
  - 2) Blood can be infused for realistic flashback

### Specifications

Packed weight(kg) & dimensions(cm)	1.25kg	51.5l	21w	14h
------------------------------------	--------	-------	-----	-----

### Components

Neonate Umbi Care Manikin	1
Instruction manual	1



## Evaluation and Care of Neonatal Manikin

Product No.: TYE9030

### Outline

This lifelike manikin is designed for evaluation of neonatal growth index and basic care.



### Skills Gained

- Practice of methods of holding newborn
- Neonatal back exercise
- Neonate wrapping exercise
- Skin care
- Measurement of height, weight, sitting height, chest circumference, abdominal circumference
- Neonatal bath, dressing, diaper and other basic nursing care

### Features

- Anatomy: A male neonate body with soft and elastic skin
- Realism: Anterior and posterior fontanelle in the head
- Key Features: Soft neck for simulating bending with gravity

### Specifications

Packed weight(kg) & dimensions(cm)	4.9kg	55l	27w	20h
------------------------------------	-------	-----	-----	-----

### Components

Evaluation and Care of Neonatal Manikin	1
Infant clothes	1
Diaper	1
Instruction manual	1

## Preemie Baby

Product No.: TYE9031

### Outline

This full-body male infant is soft and elastic and has realistic appearance. It can be used for basic nursing operations like skin care, bathing, dressing, changing diapers, etc.



### Skills Gained

- Skin care
- Bathing
- Dressing
- Changing diapers

### Features

- Realism: Supple and elastic, providing realistic practice for trainees
- Key Features:
  - 1) Allows for basic nursing operations
  - 2) Measurement of height, weight, sitting height, chest circumference and abdominal circumference
  - 3) Anterior and posterior fontanel can be touched

### Specifications

Packed weight(kg) & dimensions(cm)	4.5kg	55l	27w	20h
------------------------------------	-------	-----	-----	-----

### Components

Preemie Baby	1
Clothes	1
Diaper	1
Operation Manual	1

## Baby Stap

Product No.: TYE1557

### Outline

Lifelike neonate designed for the practice of lumbar puncture techniques.



### Skills Gained

- Practice of lumbar puncture techniques
- Drawing artificial brain-ridge liquid

### Features

- Anatomy: Realistic spine with spinal cord by palpating for correct puncture
- Realism: Lateral decubitus position
- Key Features:
  - 1) Realistic touch
  - 2) Breakthrough feeling of needle insertion

### Specifications

Packed weight(kg) & dimensions(cm)	3.55kg   55.5l   29.5w   30h
------------------------------------	------------------------------

### Components

Baby Stap	1
5ml Syringe	1
Bottle type infusion device	1
Instruction manual	1

### Spares

01001785	Simulated vertebral canal
02010487	Spare skin
02010488	Spare abdominal skin

## Pediatric Lumbar Puncture Simulator

Product No.: TYE1558

### Outline

This model represents a five-year-old child and is an ideal choice for demonstration and practice of lumbar puncture techniques. Realistic resistance to needle tips and correct landmarks provide excellent hands-on experience.



### Skills Gained

- Patient positioning
- Anatomical understanding and palpation
- Lumbar puncture and CSF collection
- CSF pressure measurement

### Features

- Anatomy: Palpable and accurate anatomical structures like spinous process, anterior superior spine, apex of the iliac crest
- Realism: Lateral decubitus position
- Realism: Advanced material for true-to-life skin touch, feel and puncture
- Key Features:
  - 1) Resistance & "pop" felt through the needles
  - 2) Lateral decubitus position can be placed
  - 3) Bend the model to the maximum and find the intersection of the line of the highest point of the iliac crest and the posterior median line to locate L1-L4
  - 4) Simulated CSF (water) flows out after successful puncture; the color of the liquid can be changed as required
  - 5) The waist can be bent repeatedly, and it will be restored to the original after relaxation
  - 6) Durability & lumbar pad easy to replace

### Specifications

Packed weight(kg) & dimensions(cm)	10.3kg   66.5l   44w   36.5h
------------------------------------	------------------------------

### Components

Pediatric Lumbar Puncture Simulator	1
Simulated spine canal	5
50ml Syringe	1
Operation manual	1

## Infant Intraosseous Infusion Trainer

Product No.: TYE9029

### Outline

A realistic training model with incredible accuracy and realism, is mainly designed for infant intraosseous infusion procedure.



### Skills Gained

- Practice tibial puncture and perfusion skills
- Drawing simulated bone marrow fluid

### Features

- Anatomy: Reproduction of the lower torso and limbs of a six-month infant
- Realism: Three palpable landmarks, including patella, tibia, and tibial tuberosity located in both legs
- Key Features: Possible aspiration in both legs

### Specifications

Packed weight(kg) & dimensions(cm)	3.95kg	39.5l	28.5w	22h
------------------------------------	--------	-------	-------	-----

### Components

Infant Intraosseous Infusion Trainer	1
20ml Syringe	1
Instruction manual	1

### Spares

02010452	Spare skin (left)
02010454	Spare skin (right)
02010451	Spare bone (left)
02010453	Spare bone (right)

## Child Femoral Access Leg

Product No.: TYE1306

### Outline

Designed for teaching and practicing femoral vein puncture on pediatric patient. With realistic anatomical structures, it's an ideal choice for related training.



### Skills Gained

- Tibial bone marrow puncture

### Features

- Anatomy: Knee joint, tibia, femoral artery, femoral vein and foot
- Realism: Flexible knee joint allowing for correct posture
- Versatility: Durable replaceable skin and tibia pad, four sides of the tibia pad can be punctured
- Strap-on base plate
- Key Features:
  - 1) A "pop" is felt as the needle enters the tibia with outflow of artificial marrow  
A "pop" is felt as the needle enters the femoral vein with a realistic flashback of blood
  - 2) Palpable landmarks and femoral artery pulses allow proper positioning

### Specifications

Packed weight(kg) & dimensions(cm)	7.75kg	69.5l	22.5w	24h
------------------------------------	--------	-------	-------	-----

### Components

Child Femoral Access Leg	1
Spare bone pad	3
Spare skin	1
Inflating bulb	1
Fluid reservoir	1
Syringe 50ml	1
Operation manual	1

### Spares

02080202	Spare bone pad	1
02010546	Spare skin	1

## Infant Nursing Manikin

Product No.: TYE4674

### Outline

This product is an advanced infant nursing manikin designed to meet various training needs.



### Skills Gained

- Bathing
- Lactation
- Lavage

### Features

- Realistic fontanels, coronal suture and parietal suture
- Place nasal and oral gastric tubes
- Rectal temperature measurements
- Umbilicus nursing
- Realistic testis in the scrotum
- Training of bathing, lactation, lavage etc.

## Advanced Infant Nursing Manikin

Product No.: TYE4675

### Outline

This product is an advanced infant nursing manikin designed to meet various training needs.



### Skills Gained

- Various nursing training operations for infant
- Cephalic venipuncture skills
- Umbilical vein puncture skills
- Nasal and oral intubation nursing skills
- Ostomy
- Deltoid and buttock intramuscular injection

### Features

- Flexible joints allow head, neck and limbs moving freely
- Realistic skin and anatomical structure
- Care of lavage, enema and urethral catheterization
- Holistic nursing: sponge bath, clothes changing, feeding and diaper changing
- Replaceable chest skin
- Imported plastic material and very durable

## Down Syndrome Baby Care Manikin

Product No.: TYE4744

### Outline

This product shows a Down syndrome baby.



### Skills Gained

- Various nursing skills with a Down syndrome baby
- Allows children to understand and accept Down syndrome children

### Features

- Made of imported plastics, soft and elastic skin, completely watertight
- Baby has a special "dementia" face, eye-distance widened with blepharophimosis, eyes slanting upward, obvious epicanthus, flat nose, bulging tongue, congenital malformation, occipital flat, webbed neck, wide short hands with short fingers, widened distance between first and second toes, baby boy with cryptorchidism
- Baby bathing, hair washing, wearing clothes, nursing etc.
- Cute appearance and beautiful clothes, allow children to understand and accept Down syndrome children

## Pediatric Care Manikin with Down Syndrome

Product No.: TYE9028

### Outline

This product shows a five-year-old Down syndrome baby.

### Skills Gained

- Various nursing skills with a Down syndrome baby
- Allows children to understand and accept Down syndrome children

### Features

- Common physical attributes include:
- Brachycephaly (a smaller head that is somewhat flattened in the back);
- Head girth of 40-45cm;
- Small nasal bone and mandible;
- Flat and round face;
- Almond-shaped eyes with an upward slant;
- Low-set ears;
- A small, broad and flat nose;
- Cleft lip;
- Neck: short neck, skin and subcutaneous tissue loose and thick, webbed neck;
- Trunk: funnel chest, prominent belly;
- Short limbs;
- Palm: wide short hands with short fingers, simian line, atd angle increased >80°
- Wide space between the big and second toe



### Specifications

Packed weight(kg) & dimensions(cm)	kg	92.5l	42.5w	30.5h
------------------------------------	----	-------	-------	-------

### Components

Pediatric Care Manikin with Down Syndrome	1
Stand	1
Operation manual	1

## Neonatal Peripheral and Central Venipuncture Model

Product No.: TYE4739

### Outline

This model is designed to simulate the physiological and anatomical features of a newborn to train techniques of peripherally inserted central venous catheter.



### Skills Gained

- Central Venous Catheter skills
- Needle insertion

### Features

- Transparent chest wall and bilateral IV accesses are visible
- Special material, soft, flexible and easy to wash
- Correct anatomical landmarks: basilic vein, cephalic vein, jugular vein, subclavian vein and superior vena cava
- Visible rib and heart allow measurement of the correct inserted length of catheters
- Part of the superior vena is transparent and correct operation allows users to see the catheter position
- Practice the standard venous catheterization procedures

## Infant Full Body Venipuncture Model

Product No.: TYE4706

### Outline

This product is a full body infant which can train various venipuncture skills.



### Skills Gained

- Familiar with infant anatomy
- Various venipuncture skills
- Infant nursing skills

### Features

- Infant veins through full body
- Common puncture sites: scalp and neck veins, median cubital veins of hand back
- Buttock intramuscular injection
- Right leg great saphenous vein and small saphenous vein injection practice
- Puncture, injection and catheter with umbilical veins
- A sense of breaking through when needle penetrates into the veins, blood flashback indicates proper insertion
- Nasal feeding, oral intubation, suction etc. as well as relating nursing skill training
- Durable veins and skin, can be punctured repeatedly

## Child IV Training Arm

Product No.: TYE4711

### Outline

Training to puncture the arm of children.

### Skills Gained

- How to puncture the arm of children
- Needle insertion

### Features

- Simulate the arm of a four-year old child
- Lifelike arm reproduction with multi-vein system designed for peripheral intravenous therapy

### Components

Child IV Training Arm		1
Infusion support		1
Infusion set		1
Operation manual		1



## Infant Venipuncture Leg Model

Product No.: TYE4695

### Outline

Training to puncture the leg of infants.

### Skills Gained

- How to puncture the leg of infants
- Needle insertion

### Features

- There is an obvious feeling when needle penetrates into the vein. And blood flashing back indicates proper insertion
- Provide trainings of instep venipuncture, great saphenous venipuncture, small saphenous venipuncture and heel puncture



## Advanced Infant Arteriopuncture Training Arm

Product No.: TYE4645

### Outline

This product is designed for training to puncture infant arms.



### Skills Gained

- Simulate to puncture infant arms
- Needle Insert
- Pulse

### Features

- Life-size baby left arm with realistic bony landmarks
- Manually squeeze the bulb to simulate the radial artery pulse, which helps locate the puncture site
- Allows radial artery puncture, blood drawing and blood transfusion; when performing a puncture operation, there will be a sense of breaking-through and blood flashback
- Replacement of skin and arteries

### Spares

05014147		Spare skin
05014148		Spare vein

## Advanced Pediatric Venipuncture Hand Model

Product No.: TYE4717

### Outline

This valuable task trainer is ideal for practice intravenous puncture on the lower arm and hand. It realistically mimics a lower arm with venous access for IV therapy which permits detailed exercises in venipuncture so that the technique can be mastered before coming to real patients.



### Skills Gained

- Identify puncture locations through palpation of the veins at both lower arm and hand.
- Venipuncture practice in superficial vein of the lower arm.
- Vein roll-over

### Features

- Realism: Realistic appearance and anatomy
- Key Features:
  - 1) Easy to set up and use
  - 2) Realistic characteristic "pop" can be felt when needle penetrates veins
  - 3) Produces a realistic backflow of blood or fluid injected in the syringe
  - 4) The hand skin and the veins can be easily removed and replaced after use

## Pediatric Urethral Catheterization

Product No.: TYE4720

### Outline

This model is designed for the training of pediatric catheterization. It simulates a three-year-old boy with correct anatomical structures and true-to-life size. Trainees can experience actual resistance and pressure as they would with a real patient. The genitalia are realistically soft and pliable.



### Skills Gained

- Catheter placement
- Withdrawal of catheter
- Anatomical understanding
- Child handling skills

### Features

- Anatomy: Genitals, bladder
- Realism: Supple urethra and resistant sphincter providing realistic response
  - 1) Urine (water) actually comes out when catheter is inserted properly.
  - 2) Catheterization is performed in the supine position, easy to insert catheter.
  - 3) It's durable for repeated use and easy to clean.



## Child Enema Training Simulator

Product No.: TYE4734

### Outline

This enema model is designed for clinical pediatric enema training and practice. As a life-size representation of a three-year-old child, the product is featured with realistic appearance, soft and elastic skin and accurate anatomical structures.



### Skills Gained

- Anatomical understanding of a 3-year-old child
- Familiarity of enema operation procedures
- Tools handling
- Patient positioning for enema lateral position or supine position
- Enema operation techniques

### Features

- A representation of a 3-year-old child with accurate anatomy
- Imported PVC plastic material, durable for repeated use
- Lateral position or supine position available
- Ideal choice for learning enema procedures and skills
- Good addition to classroom demonstration and after-class practice
- Easy to clean and store

# Gynaecology



## Advanced Gynecologic Simulator Plus



Product No.: TYE1814

### Outline

Our Advanced Gynecologic Simulator is updated with high-fidelity material, more modules and better performance. The model is a full-size adult female lower torso with standard lithotomy position, which can assist users to demonstrate and practice multiple gynecologic procedures as well as placement of IUD, laparoscopic examination, diaphragm placement etc.



### Skills Gained

- Recognition of normal and abnormal cervixes
- Recognition of normal, pathological and pregnant uteri
- Various operation available:
  - 1) External pelvic measurement
  - 2) Bi-manual examination
  - 3) Vagino-recto-abdominal examination (including insertion of speculum and colposcopy)
  - 4) Cervical scraping smear
  - 5) Uterus fractional curettage
  - 6) Placement and removal of IUD
  - 7) Diaphragm placement (birth control)
  - 8) Practice use of laparoscope

### Features

- Anatomy:
  - 1) Correct and realistic anatomy including tail bone tip, ischial spine, uterus, ovaries, fallopian tubes etc.
  - 2) 13 uteri: Anteverted uterus, retroverted uterus, 7 to 9 weeks pregnant uterus, 10 to 16 weeks pregnant uterus, single myoma uterus, multiple myoma uterus, pedunculated myoma uterus, posterior wall myoma uterus, adenomyosis uterus, ovarian cyst uterus, salpingitis uterus, curettage uterus and IUD uterus.
  - 3) 9 cervix modules: Normal cervix, pregnant cervix, multiparous cervix, polyp cervix, cervical cancer, Naboth's cysts cervix, acute cervicitis (suppurative), cervical erosion and cervical hypertrophy.
- Realism:
  - 1) Upgraded material for realistic experience and superb durability.
  - 2) Users can insert various simulated secretions into the model to enhance realism.
- Versatility: uteri and cervixes can be matched randomly to meet users' need.

### Specifications

Packed weight(kg) & dimensions(cm)	9.9kg	58.5l	48w	31.5h
	8.3kg	71.5l	41w	39h

### Components

Advanced Gynecologic Simulator Plus	1
Uteri modules	13
Cervix modules	9
User manual	1

### Spares

02050562	Anteverted uterus	02050584	Retroverted uterus
02050563	Multiple myoma uterus	02050686	IUD uterus
02050564	Pedunculated myoma uterus	02060614	Pregnant cervix
02050565	Single myoma uterus	02060783	Naboth's cysts cervix
02050566	Posterior wall myoma uterus	02060784	Normal cervix
02050567	Adenomyosis uterus	02060785	Multiparous cervix
02050568	7 to 9 weeks pregnant uterus	02060786	Acute cervicitis (suppurative)
02050569	10 to 16 weeks pregnant uterus	02060787	Cervical erosion
02050570	Ovarian cyst uterus	02060788	Polyp cervix
02050571	Salpingitis uterus	02060789	Cervical hypertrophy
02050573	Curettage uterus	02060790	Cervical cancer



## Obstetric Examination Trainer Torso

Product No.: TYE1813

### Outline

This product is a true-to-life representation of a 32 week pregnancy torso. It offers you an effective training solution for preparing students and professionals for the routine prenatal checkup including palpation, fetal heart auscultation and abdominal measurement. The realism of the product and the skill training specific to examination techniques will bring learners competence and confidence.



### Skills Gained

- Anatomical learning
- Leopold's maneuvers
- Auscultation skills
- Maternal body measurement
- Tools handling

### Features

- Realism: Durable, soft and elastic material with realistic touch and feel
- Anatomy: Correct anatomical structures and obvious landmarks, including breasts, bulging abdomen, pelvis, fetus and pubic symphysis etc.
- Key Features:
  - 1) Ideal for Leopold's maneuvers training, such as palpating the fetus head, buttocks and trunk using the first to fourth maneuvers
  - 2) Various fetal positions and orientations by rotating the fetal unit
  - 3) Maternal abdominal girth, fundal height and a variety of external pelvimetries can be performed
  - 4) Realistic amniotic sac with adjustable fluid inside to provide real palpation experience

- 5) Use real stethoscope and fetal Doppler monitor for fetal heart sounds
- 6) Control of fetal heart rate (80-200) and adjustable sound volume with switch between internal and external speakers
- 7) Training Mode and Test Mode available

### Specifications

Packed weight(kg) & dimensions(cm)	6.8kg	55.5l	33.5w	20h
	11.6kg	92.5l	43.5w	30.5h

### Components

Obstetric Examination Trainer Torso	1
Luer syringe (200ml)	1
Tubing	1
Fetal Doppler monitor	1
Power adaptor	1
Operation manual	1

### Spares

02050529	Fetus model
02060550	Abdominal skin



## Advanced Gynecologic Simulator

Product No.: TYE1818

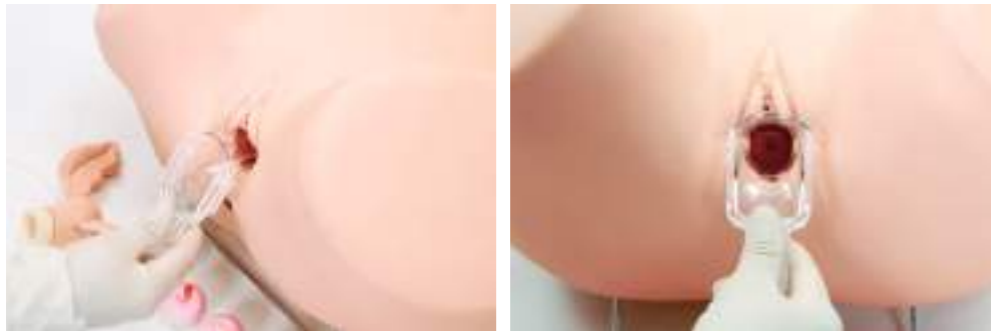
### Outline

The model is a full-size adult female lower torso with standard lithotomy position, which can assist users to demonstrate and practice multiple gynecologic procedures as well as placement of IUD, laparoscopic examination and diaphragm placement.



### Skills Gained

- Recognition of normal and abnormal cervixes, as well as normal and pregnant uteri
- Measurement and examination can be conducted:
  - 1) External pelvic measurement



- 2) Bi-manual examination



- 3) Rectal-vaginal examination (including insertion of speculum and colposcopy)
- 4) Analysis and recognition of cervical lesions
- 5) Placement and removal of IUD
- 6) Diaphragm placement (birth control)
- 7) Practice use of laparoscope

### Features

- Anatomy:
  - 1) Relevant internal anatomy including uterus, ovary, fallopian tubes and round ligament
  - 2) 5 uteri: Anteverted uterus, retroverted uterus, 7 to 9 weeks pregnant uterus, 10 to 12 weeks pregnant uterus and 20 weeks pregnant uterus
  - 3) 7 cervix modules: Normal cervix, pregnant cervix, multiparous cervix, polyp cervix, cervical cancer, Naboth's cysts cervix, acute cervicitis (suppurative)
- Versatility: Advanced material, tear resistant; replaceable skin; uteri and cervixes can be combined according to actual needs

### Specifications

Packed weight(kg) & dimensions(cm)	7.1kg	58.5l	48w	31.5h
------------------------------------	-------	-------	-----	-------

### Components

Advanced Gynecologic Simulator	1
Uteri modules	5
Cervix modules	7
Speculum	1
Inflating bulb	1
Air bag	1
Operation manual	1

### Spares

02080223	Cervix modules
02080151	Uteri modules
02020009	Air Bag

## Advanced Gynecological Examination Simulator

Product No.: TYE4691

### Outline

The simulator is designed for gynecological examination techniques and skills training.

### Skills Gained

- Hysteroscopy inspection
- Laparoscopy can be conducted to observe uterus, accessories, round ligament and other structures
- Female condoms, contraceptive sponge, cervical cap and other contraceptives placement



### Features

#### The components:

- The normal uterus, abnormal uterus, and accessories models allow bimanual and triple inspection and diagnosis
  - 1) Normal uterus and accessories (the front uterus wall is transparent for IUD placement and removal)
  - 2) Normal uterus and accessories
  - 3) Uterus associated with significant flexion, forward
  - 4) Uterus associated with significant back flexion, backward
  - 5) Uterus associated with right ovarian cysts tubal
  - 6) Uterus associated with right tubal cyst
  - 7) Uterus associated with right hydrosalpinx
  - 8) Uterine fibroids
  - 9) Uterine inflammation associated with the right accessories uterine malformations

- 1) Normal cervix
- 2) Chronic cervicitis
- 3) Acute cervicitis
- 4) Cervical cyst inflammation
- 5) Cervical polyps
- 6) Cervical adenoma

#### Normal and abnormal uterus model (it is used for inspection by Hysteroscopy)

- 1) Normal uterus
- 2) Endometrial polyps
- 3) Endometrial hyperplasia
- 4) Uterine fibroids
- 5) Early endometrial carcinoma
- 6) Advanced endometrial carcinoma
- 7) Uterus fundus cancer

#### Pregnant uterus model

- 1) 6-8 weeks of early pregnancy uterus
- 2) 10-12 weeks of early pregnancy uterus
- 3) 20 weeks of pregnant uterus
- 4) 48 hours postpartum uterus
- 5) The process of placing and removing the IUD

#### Normal and abnormal cervix model (it is used for inspection through gynecatoptron)

### Components

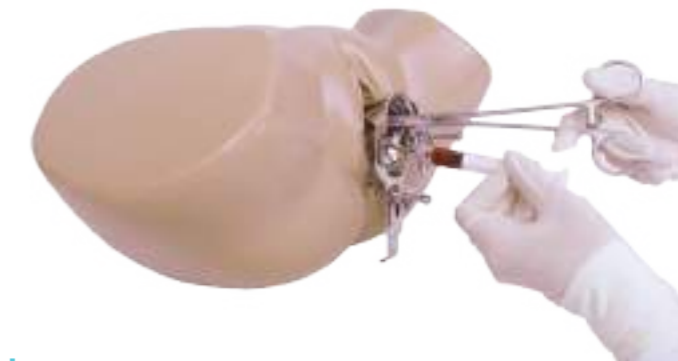
Advanced Gynecological Examination Simulator	1
Uteri modules	1
Cervix modules	1
Operation manual	1

## Posterior Vaginal Fornix Puncture Model

Product No.: TYE1815

### Outline

The model adopts lithotomy position, with highly realistic skin, and can provide users an ideal training platform.



### Skills Gained

- Speculum (large size) can be used to check cervix and vagina
- Posterior lip of cervix can be clamped using forceps and can be fully occluded
- Posterior vaginal fornix puncture can be conducted by clamping cervix, with realistic puncture feeling

### Features

- Anatomy: Accurate structures –mons pubis, labia majora and minora, clitoris, anal orifice, urethral orifice, vaginal orifice, vaginal wall, cervix, cervical orifice (parous), and posterior vaginal fornix
- Key Features:
  - 1) User friendly feedback – simulated blood (without coagulation) can be drawn when puncture succeeds
  - 2) The fluid in the puncture sac can be used for 30-70 times before next refill
- Care: The puncture sac can be replaced without changing the outer skin

### Specifications

Packed weight(kg) & dimensions(cm)	11.15kg	58.5l	48w	31.5h
------------------------------------	---------	-------	-----	-------

### Components

Posterior Vaginal Fornix Puncture Model	1
Puncture sac	2
50ml Syringe	1
Operation manual	1

### Spares

02010525	Puncture Sac
----------	--------------

## Excision of Benign Tumor of Breast Simulator

Product No.: TYE1530

### Outline

Designed for practicing of excision of benign tumor and clinical breast examination.



### Skills Gained

- Clinical Breast Examination (CBE)
- Excision of benign tumor
- Skin suture

### Features

- Anatomy: Four tumors inside
- Realism: Soft texture and realistic pores
- Key Features: Visible subcutaneous tissue after cutting skin

### Specifications

Packed weight(kg) & dimensions(cm)	1.55kg	23l	17w	11h
------------------------------------	--------	-----	-----	-----

### Components

Excision of Benign Tumor of Breast Simulator	1
Operation manual	1

## Wearable Breast Self Examination Model

Product No.: TYE1520

### Outline

This product is a casting of a female upper body with medium sized breasts. It can easily be worn in order to better train and practice breast self-examination.



### Skills Gained

- Clinical Breast Examination (CBE)
- Self Breast Examination (SBE)
- Identification of anatomical landmarks
- Location and diagnosis of pathologies

### Features

- Anatomy: Pathologies supplied removable benign tumor with smooth edge, malignant tumors with different size and hardness, lymphatic metastasis of malignant tumor such as armpit, supraclavicular lymph node enlargement adhesion, nipple inversion, orange peel-like appearance
- Realism: High-quality and realistic silicone skin to the touch
- Key Features:
  - 1) Pathologies can be placed in various predetermined location points and are easily changeable
  - 2) Teaching chart

### Specifications

Packed weight(kg) & dimensions(cm)	10.35kg	58.5l	48w	31.5h
------------------------------------	---------	-------	-----	-------

### Components

Wearable Breast Self Examination Model	1
Chart	1
Operation manual	1

## Breast Inspection and Palpation Model

Product No.: TYE4673

### Outline

The model presents typical signs of various common breast tumors for clinical diagnosis and self-examination.

### Skills Gained

- Pathology recognition
- Palpation techniques

### Features

- This model can be used to practice mammary tumors inspection and palpation skills
- In order to facilitate training process, both benign tumors and malignant tumors are placed into the mammary gland
- Learners can identify whether the tumor is benign or malignant according to the various position, size, and texture
- Advanced material provides soft and realistic feeling



## Episiotomy and Suturing Training Simulator

Product No.: TYE4634

### Outline

The model has realistic anatomical structures of a real female and is designed for multiple operation skills training.

### Skills Gained

- Episiotomy and suturing skills

### Features

- The simulator includes perineum, which is made of foam, and inner muscles, which is made of plastic cement. The model is fixed on a plastic framework which can be easily assembled
- There are two handles in the back and the bottom of the simulator to adjust tension of the incision
- Allows right posterior incision, left posterior incision and median incision



# Obstetric



## Wearable C-Section Simulator



Product No.: TYE1801

### Outline

This wearable model simulates a full-term pregnant abdomen, enabling full transverse or vertical emergency C-Section through abdominal wall and offering an ideal choice for practicing surgical techniques during caesarean section. Its realistic abdominal appearance and correct anatomy provide excellent hands-on experience. It can be applied to patient simulators or SP's.



### Skills Gained

- Transverse/Vertical emergency C-Section
- Practicing of C-Section incision/suture
- Practicing of intradermal suture
- Practicing of forceps application
- Umbilical cord cutting, umbilical cord blood collection, and umbilical cord care
- Baby care: Oral cavity, nasal cavity and ear canal cleaning

### Features

- Anatomy: Pregnancy line, navel, vulva, superficial fascia, rectus abdominis, linea alba, transverse fascia, peritoneum, uterus, uterine blood vessels, amniotic sac, fetus, placenta, umbilical cord, bladder, pubic symphysis, etc.
- Realism: Advanced material for skin touch and feel
- Key Features:
  - 1) A simulated full-term fetus (50cm) in the abdomen, which feels life-like
  - 2) Bleeding can be seen when performing transverse or vertical C-Section, creating a more realistic scenario-based training experience



- 3) Real surgical instruments can be used for incision and suturing of the uterus and abdominal layers; intradermal sutures can be performed
- 4) Incise the skin, superficial fascia and linea alba can be seen. Use blunt dissection to separate rectus abdominis and transverse fascia
- 5) Expose lower uterine incision and bluntly separate the myometrium to simulate the bleeding caused by uterine vascular injury
- 6) Simulated amniotic fluid can outflow
- 7) Uterine laceration can be simulated
- 8) Cord around neck and placenta previa can be simulated
- 9) The umbilical cord can be used repeatedly
- 10) Consumables like uterus, umbilical cord, and abdominal wall are replaceable



### Specifications

Packed weight(kg) & dimensions(cm)	kg	116.5l	56w	32h
------------------------------------	----	--------	-----	-----

### Components

Wearable C-Section Simulator	1
Uterus	3
Abdomen	3
Umbilical cord	3
Fetus	1
Placenta	1
Umbilical clamp	6
Device for blood injection (umbilical cord)	1
Device for blood injection (abdomen)	1
User manual	1

### Spares

02050806	Uterus
02060970	Abdomen
02060971	Umbilical cord
02060972	Fetus
02060973	Placenta
01014357	Umbilical clamp

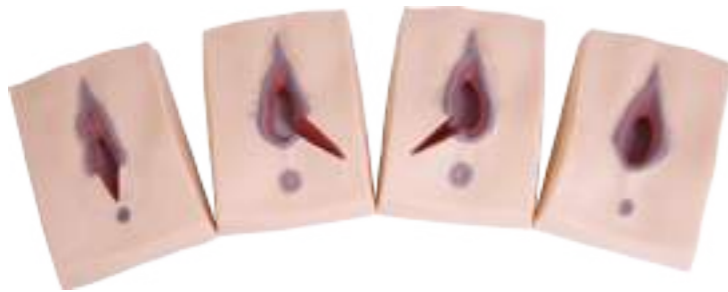


## Episiotomy Suturing Trainers

Product No.: TYE1808

### Outline

The models are designed in accordance with real human anatomical structures enabling the demonstration of episiotomy incisions and the practice of incision suturing skills.



### Skills Gained

- Different episiotomy incisions
- Suturing skills
- Anatomical learning

### Features

- Anatomy: Precise anatomical structure – labium majora and labium minora, clitoris, vagina, anus
- Soft and durable material
- 1 normal perineum and 3 suturing models for practicing skills
- 3 kinds of incisions: Median episiotomy, left-lateral episiotomy, and right-lateral episiotomy

### Specifications

Packed weight(kg) & dimensions(cm)	3.7kg	42.5l	26w	10.5h
------------------------------------	-------	-------	-----	-------

### Components

Episiotomy Suturing Trainers	1
Operation manual	1

### Spares

02080292	Normal perineum module
02080239	Left-lateral episiotomy module
02080240	Right-lateral episiotomy module
02080270	Median episiotomy module

## Cervical Dilatation/Effacement Model

Product No.: TYE1807

### Outline

The model shows six different stages of the prenatal cervix.



### Skills Gained

- Prenatal examination and assessment on the changes of cervix
  - Stage I: no cervical orifice dilatation, no effacement of cervical canal
  - Stage II: 2 cm dilatation, 50% effacement
  - Stage III: 2 cm dilatation, full effacement
  - Stage IV: 5 cm dilatation, full effacement
  - Stage V: 7 cm dilatation, full effacement
  - Stage VI: 9 cm dilatation, full effacement

### Features

- Anatomy: Demonstrates labia, clitoris, vagina, cervix, and fetus' head
- Key Features: Realistic vaginal wall texture, tissue density, and anatomical structures

### Specifications

Packed weight(kg) & dimensions(cm)	4.5kg	84.5l	18.5w	13.5h
------------------------------------	-------	-------	-------	-------

### Components

Cervical Dilatation/Effacement Model	6
Operation manual	1

## Fundus Assessment Skills Trainer

Product No.: TYE1809

### Outline

The model is the representation of part of adult female body combining abdominal wall, vulva, interchangeable uteri, and flexible hip joint together. It is particularly designed for fundus assessment skills training.



### Skills Gained

- Fundus examination skills and post-partum fundus massage techniques

### Features

- Anatomy: Pubic symphysis, labium majora and labium minora, clitoris, navel, vagina, anus, uterus
- Versatility: Soft and realistic material
- Two uteri included: Firm, well-contracted uterus; soft uterus that is not well-contracted

### Specifications

Packed weight(kg) & dimensions(cm)	9.15kg	71.5l	42.5w	30.5h
------------------------------------	--------	-------	-------	-------

### Components

Fundus Assessment Skills Trainer	1
Well-contracted uterus (inside the model)	1
Soft uterus	1
Base for the well-contracted uterus (inside the model)	1
Operation manual	1

### Spares

02050132	Well-contracted uterus
02050131	Soft Uterus

## Advanced Fundus Assessment Skills Trainer

Product No.: TYE4701

### Outline

The trainer simulates the normal physiological change of postpartum female. Users can conduct postpartum uterine fundus evaluation and massage skills training.



### Skills Gained

- Fundus assessment and massage

### Features

- Hip joint is movable and can be properly positioned
- Realistic anatomical landmark of pubic symphysis
- Interchangeable uterus:
  - Normal uterus
  - Postpartum uterus of the first hour
  - Postpartum uterus of the second day
  - Postpartum uterus of the second week
  - Callous uterus with good contraction
  - Soft uterus without good contraction
- Expansion of vaginal orifice
- Easy to separate the labium minus and expose the vagina
- Tear-resistant vulva

## Obstetric Manikin

Product No.: TYE1555.1

### Outline

The model demonstrates a variety of delivery processes for teaching and training.



### Skills Gained

- Palpation of fetus position, head presentation, normal vaginal delivery, frank breech presentation, footling breech (single foot)
- Prolapse of cord, treatment of various placenta previa, application of vacuum extractor, ways to deal with the placenta and umbilical cord, as well as neonatal nursing

### Features

- Anatomy: Represents abdominal wall, vulva, symphysis pubis, spine, pelvis, etc.
- Care: Replaceable umbilical cord

### Specifications

Packed weight(kg) & dimensions(cm)	7.75kg   58.5l   48w   31.5h
------------------------------------	------------------------------

### Components

Obstetric Manikin	1
Fetus	1
Placenta	1
Umbilical cord	1
Operation manual	1

## Advanced Childbirth Simulator

Product No.: TYE1555

### Outline

The simulator demonstrates an anatomically correct female pelvic in standard delivery position with fetuses (a baby boy and a baby girl).



### Skills Gained

- Palpation of fetus position, head presentation, normal vaginal delivery, frank breech presentation, footling breech (single foot), episiotomy
- Multiple pregnancy including double-head position, head-breech position, breech-head position, double-breech position
- Prolapse of cord, treatment of various placenta previa, application of vacuum extractor, ways to deal with the placenta and umbilical cord, as well as neonatal nursing

### Features

- Anatomy: abdominal wall, vulva, symphysis pubis, spine, pelvis, etc.
- Key Features:
  - 1) Two babies included (boy and girl)
  - 2) Transparent abdominal wall for better demonstration
- Care: Replaceable vulva, umbilical cord and abdominal wall

### Specifications

Packed weight(kg) & dimensions(cm)	8.6kg   63l   56w   37h
------------------------------------	-------------------------

### Components

Advanced Childbirth Simulator	1
Operation manual	1

### Spares

02040247	Fetus (boy)
02040248	Fetus (girl)
02040259	Placenta and umbilical cord
02080182	Spare vulva module

## Advanced Childbirth Skill Training Model

Product No.: TYE1555.2

### Outline

The model comes with fetus for palpation and is able to demonstrate delivery processes.



### Skills Gained

- Episiotomy skills
- Palpation of the fetus
- Delivery process familiarity
- Patient care

### Features

- Anatomy: The same size as a real female pelvis: pubic symphysis, iliac crest, and vulva
- Key Features: Delivery process can be demonstrated separately according to specific teaching plan to provide trainees a more intuitive and realistic experience
- Soft vulva (can be embedded in the model) for episiotomy skills training
- A rocker can be operated manually to simulate six movements during normal delivery process. Users can control the speed and amplitude of delivery to achieve better training result
- The model is a valuable teaching tool both in delivery skills and in patient care training

### Specifications

Packed weight(kg) & dimensions(cm)	9.1kg	86.5l	53.5w	35.5h
------------------------------------	-------	-------	-------	-------

### Components

Advanced Childbirth Skill Training Model	1
Rocker	1
Operation manual	1

## Maternity Model

Product No.: TYE1811

### Outline

The model is an adult female torso in the supine position providing users a proper platform for palpation training.



### Skills Gained

- Leopold's maneuvers, pelvic measurements, breast care
- Fetal position can be adjusted for various palpation training (cephalic, breech, transverse)
- Available for the fetal heart sound (FHS) auscultation:
  - 1) FHR(fetal heart rate) range: 80-200/min. Intensity of the FHS varies according to the frequency
  - 2) Exercise mode and assessment mode: FHR can be seen on the screen in exercise mode but will not be displayed in assessment mode
  - 3) The FHS can be heard from the abdomen by using stethoscope and can also be played through the amplifier

### Features

- Anatomy: Includes breast, pubic symphysis, pelvis, fetal, etc.
- Key Features: Internal balloon can be inflated with an external pump to simulate fetus in different trimesters
- Versatility: Independent control box, easy to assemble and place

### Specifications

Packed weight(kg) & dimensions(cm)	10.9kg	69.5l	66.5w	35.5h
------------------------------------	--------	-------	-------	-------

### Components

Maternity Model	1
Control box	1
Maternal pad (one is inside the model)	2
Inflating bulb	1
Amniotic sac (inside the model)	1
18V adapter	1
Operation manual	1

### Spares

02070170	Control Box
02040280	Infant

## Difficult Labor Demonstration Model

Product No.: TYE4714

### Outline

This model can be used for difficult labor demonstration and skills training.



### Features

- The simulator can demonstrate all kinds of difficult deliveries
- Fetus can be placed in abnormal presentation for demonstration and training

## Delivery Process Demonstration Simulator

Product No.: TYE4698

### Outline

The model is designed according to real human's anatomical structure using advanced material to give users a realistic feeling.



### Features

- The automatic birthing system rotates baby as it moves through the birth canal
- The model shows seven stages of birth: engagement – descent – flexion – internal rolling – spread – reposition and external rolling – child birthing
- Realistic skin better simulates delivery process

## Pelvis with Fetal Heads Model

Product No.: TYE4726

### Outline

The model, involves a female pelvis and two fetal heads, is an ideal product for delivery process demonstration and relative skills training.



### Features

- Two fetal heads: one is full-term, the other is premature
- Cranial sutures and anterior and posterior fontanelles are palpable on the skull
- Fetal heads are fixed on the flexible shaft through the pelvis
- The position of fetus and pelvis can be observed during the delivery process
- Engagement, descending, flexion, internal rotation, extension, restoration and external rotation, and fetal delivery can be simulated
- Forceps and vacuum extractor can be used to assist delivery

## Placenta Model

Product No.: TYE4718



### Features

- Placenta maternal surface, fetal surface, umbilical cord anatomical structure.
- Size: 205X205X110 (mm)
- Material: fiberglass.

## Pregnancy Stages-8 Models

Product No.: TYE1810

### Outline

The 8 models show the complete stages of development of fetus.



- L10/1 1st Month Embryo
- L10/2 2nd Month Embryo
- L10/3 3rd Month Embryo
- L10/4 4th Month Fetus (Transverse Lie)
- L10/5 5th Month Fetus (Breech Position)
- L10/6 5th Month Fetus (Transverse Lie)
- L10/7 5th Month Twin Fetuses (Normal Position)
- L10/8 7th Month Fetus

### Specifications

Packed weight(kg) & dimensions(cm)		4.6kg		14.8l		11.8w		11h
------------------------------------	--	-------	--	-------	--	-------	--	-----

### Components

Pregnancy Stages-8 Models		1
Operation manual		1

# Family Planning

## Transparent D&C Simulator (Anteversion)

Product No.: TYE1815.1

### Outline

Exquisitely designed for training and demonstration of skills such as early induced abortion etc.

### Skills Gained

- Dilatation and curettage
- Douching
- Catheterization
- Bladder irrigation
- IUD placement and removal



### Features

- Anatomy:
  - 1) Realistic pudendum with labium majus, labium minus, urethra and vagina
  - 2) Lifelike internal anatomical structure including retroverted uterus, cornua uteri, fallopian tubes, ovary, bladder and ureter
- Key features:
  - 1) Transparent cover for better demonstration
  - 2) Soft and flexible vagina supports insertion of large-sized speculum
  - 3) Uterine orifice allows insertion of curette and cervical canal dilator
  - 4) Artificial gestational sac of 6-7 weeks can be inserted into uterus
  - 5) Transparent and soft uterine cavity with resilience
  - 6) Cervix clamp can be fully applied onto the cervix
  - 7) Also for training of douching, catheterization, bladder irrigation, IUD placement and removal

### Specifications

Packed weight(kg) & dimensions(cm)	9.2kg	58.5l	48w	31.5h
------------------------------------	-------	-------	-----	-------

### Components

Transparent D&C Simulator	1
Fluid reservoir	1
Vaginal speculum	1
#14 catheter	1
Uterus parts (in bag)	1
Antiskid mat	1
Operation manual	1

### Spares

02080169	Uterus parts (GS)
----------	-------------------

## Transparent D&C Simulator (Horizon)

Product No.: TYE1815.2

### Outline

Exquisitely designed for training and demonstration of skills such as early induced abortion etc.

### Skills Gained

- Dilatation and curettage
- Douching
- Catheterization
- Bladder irrigation
- IUD placement and removal



### Features

- Anatomy:
  - 1) Realistic pudendum with labium majus, labium minus, urethra and vagina
  - 2) Lifelike internal anatomical structure including retroverted uterus, cornua uteri, fallopian tubes, ovary, bladder and ureter
- Key features:
  - 1) Transparent cover for better demonstration
  - 2) Soft and flexible vagina supports insertion of large-sized speculum
  - 3) Uterine orifice allows insertion of curette and cervical canal dilator
  - 4) Artificial gestational sac of 6-7 weeks can be inserted into uterus
  - 5) Transparent and soft uterine cavity with resilience
  - 6) Cervix clamp can be fully applied onto the cervix
  - 7) Also for training of douching, catheterization, bladder irrigation, IUD placement and removal

### Specifications

Packed weight(kg) & dimensions(cm)	9.2kg	58.5l	48w	31.5h
------------------------------------	-------	-------	-----	-------

### Components

Transparent D&C Simulator	1
Fluid reservoir	1
Vaginal speculum	1
#14 catheter	1
Uterus parts (in bag)	1
Antiskid mat	1
Operation manual	1

### Spares

02080169	Uterus parts (GS)
----------	-------------------

## Transparent D&C Simulator (Retroversion)

Product No.: TYE1815.3

### Outline

Exquisitely designed for training and demonstration of skills such as early induced abortion etc.

### Skills Gained

- Dilatation and curettage
- Douching
- Catheterization
- Bladder irrigation
- IUD placement and removal



### Features

- Anatomy:
  - 1) Realistic pudendum with labium majus, labium minus, urethra and vagina
  - 2) Lifelike internal anatomical structure including retroverted uterus, cornua uteri, fallopian tubes, ovary, bladder and ureter
- Key features:
  - 1) Transparent cover for better demonstration
  - 2) Soft and flexible vagina supports insertion of large-sized speculum
  - 3) Uterine orifice allows insertion of curette and cervical canal dilator
  - 4) Artificial gestational sac of 6-7 weeks can be inserted into uterus
  - 5) Transparent and soft uterine cavity with resilience
  - 6) Cervix clamp can be fully applied onto the cervix
  - 7) Also for training of douching, catheterization, bladder irrigation, IUD placement and removal

### Specifications

Packed weight(kg) & dimensions(cm)	9.2kg	58.5l	48w	31.5h
------------------------------------	-------	-------	-----	-------

### Components

Transparent D&C Simulator	1
Fluid reservoir	1
Vaginal speculum	1
#14 catheter	1
Uterus parts (in bag)	1
Antiskid mat	1
Operation manual	1

### Spares

02080169	Uterus parts (GS)
----------	-------------------

## Dilatation and Curettage Model

Product No.: TYE1816

### Outline

Designed for training and demonstration of dilatation and curettage etc.



### Skills Gained

- Dilatation and curettage
- IUD placement

### Features

- Anatomy: realistic and flexible horizontal uterus, anteverted uterus of 6-7 gestational weeks, retroverted uterus of 6-7 gestational weeks
- Key features:
  - 1) Three uteri can be opened for placement of artificial gestational sac
  - 2) Uterine orifice allows insertion of curette and cervical canal dilator
  - 3) Also for training of IUD placement
  - 4) Mounted on a base for easy operation

### Specifications

Packed weight(kg) & dimensions(cm)	1.2kg	44l	16w	15.5h
------------------------------------	-------	-----	-----	-------

### Components

Dilatation and Curettage Model	1
Artificial gestational sac	1
Operation manual	1

### Spares

02080169	Artificial gestational sac
----------	----------------------------



## IUD Insertion Model I

Product No.: TYE1817

### Outline

Adult female uterus for demonstration and practice of IUD insertion, placement and removal.



### Skills Gained

- IUD insertion, placement and removal
- Knowledge acquisition of internal structure of uterus and adnexa uteri

### Features

- Anatomy: Anatomically accurate uterus, ovaries, oviduct, cervix and vagina
- Key features: Transparent plastic cover allows visualization of IUD insertion and placement

### Specifications

Packed weight(kg) & dimensions(cm)	0.55kg	26.5l	13w	20.5h
------------------------------------	--------	-------	-----	-------

### Components

IUD Insertion Model I	1
IUD	1
Operation manual	1

## IUD Insertion Model II

Product No.: TYE4710

### Outline

Adult female uterus for demonstration and practice of IUD insertion, placement and removal.



### Skills Gained

- IUD insertion, placement and removal
- Knowledge acquisition of internal structure of uterus

### Features

- Key features: Transparent plastic cover allows visualization of IUD insertion and placement

### Specifications

Packed weight(kg) & dimensions(cm)	1kg	14.5l	11.5w	1.5h
------------------------------------	-----	-------	-------	------

### Components

IUD Insertion Model II	1
Operation manual	1

## IUD Insertion Model III

Product No.: TYE4728

### Outline

Adult female uterus for demonstration and practice of IUD insertion, placement and removal.



### Skills Gained

- IUD insertion, placement and removal
- Knowledge acquisition of internal structure of uterus

### Features

- Anatomy: Accurate cross-sectional uterus
- Different colors in different regions for easy identification

### Specifications

Packed weight(kg) & dimensions(cm)	1kg	14.5l	11.5w	1.5h
------------------------------------	-----	-------	-------	------

### Components

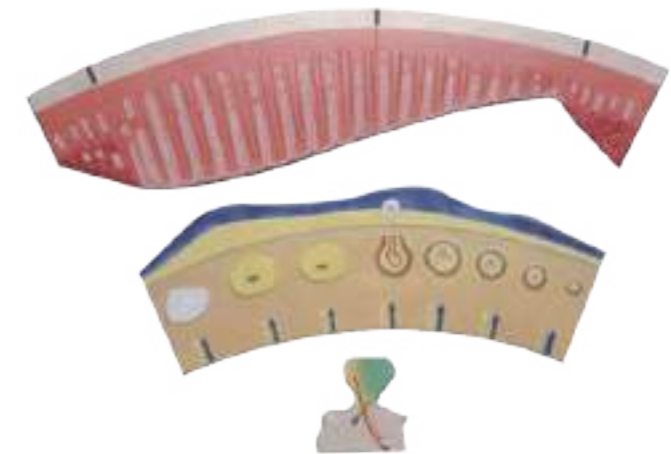
IUD Insertion Model III	1
Operation manual	1

## Menstrual Cycle Demonstration Model

Product No.: TYE4725

### Outline

Designed for demonstration of female ovulation cycle.



### Skills Gained

- Understand the essence of menstrual cycle

### Features

- Presents the mechanism of the cyclic functional changes of hypothalamic-pituitary-gonadal axis
- Demonstrates hypothalamus-hypophysis system, shape variation of follicle in different phases, and changes of endometrium during menstrual phase, pre-ovulation phase, post-ovulation phase

### Specifications

Packed weight(kg) & dimensions(cm)	3.7kg	53.5l	44.5w	8h
------------------------------------	-------	-------	-------	----

### Components

Menstrual Cycle Demonstration Model	1
Operation manual	1

## Vasoligation Trainer

Product No.: TYE4723

### Outline

Accurate replication of male anatomy from waist to thigh mainly for training of vasoligation.



### Skills Gained

- Vasoligation
- Infiltration anaesthesia
- Incision
- Suturing

### Features

- Anatomy: Realistic anatomical structure of genitals including flexible penis, soft scrotum containing easy-to-touch vas deferens
- Key features:
  - 1) For practice of skin incision and suture, vas deferens isolation, excision, ligation and embedding
  - 2) Infiltration anaesthesia is applicable for both scrotums
  - 3) Both sides of the genitals are suitable for surgical trainings

### Specifications

Packed weight(kg) & dimensions(cm)	3.7kg	46l	41.5w	29h
------------------------------------	-------	-----	-------	-----

### Components

Vasoligation Trainer		1
Scrotum		1
Operation manual		1

## Male Condom Model

Product No.: TYE4646

### Outline

Realistic penis for training of condom use.

### Skills Gained

- Condom use for male

### Features

- Anatomy: Anatomically accurate male genitals with erected penis mounted on a Lucite stand
- Care: Easy to clean up with soap solution



### Specifications

Packed weight(kg) & dimensions(cm)	0.46kg	19l	14.5w	17.5h
------------------------------------	--------	-----	-------	-------

### Components

Male Condom Model		1
Operation manual		1

## Contraception Guidance Model

Product No.: TYE4702

### Outline

For demonstration of female contraception.

### Skills Gained

- Knowledge of anatomical structure
- Contraceptive devices placement

### Features

- Anatomy: Representing inner structure of female genital organs including bladder, vagina, pubic bone, uterus, rectum, and coccyx
- Key Features: For placement of female contraceptive devices and vaginal suppositories etc.



## Female Contraception Trainer

Product No.: TYE4676

### Outline

For practice and training of female contraception.

### Skills Gained

- Use of speculum
- Placement and removal of female condom, contraceptive sponge and cervical cap

### Features

- Anatomy: Anteverted uterus, labium, vagina in the pelvic cavity
- Key Features:
  - 1) Imported material of high quality for environmental protection
  - 2) Vagina can be stretched for use of vaginal speculum, female condom, contraceptive sponge and cervical cap etc.



## Female Contraception Model

Product No.: TYE4700

### Outline

For demonstration, practice and assessment of female contraception skills.

### Skills Gained

- Bimanual examination
- Placement and removal of IUD, vaginal septum and contraceptive sponge

### Features

- Anatomy: Accurate anatomy including soft abdominal wall, uterus, adnexa uteri etc.
- Key Features:
  - 1) Anteverted, horizontal, retroverted uteri available for various training purposes
  - 2) Transparent window for observation and assessment of IUD placement



## Testis Examination Simulator

Product No.: TYE4722

### Outline

This is a product for training testis examination skills with true-to-life touch and feel. It's a good choice for learners and instructors to learn and teach. Besides correct anatomical structures, it also simulates testicular cancer for trainees to practice palpation.

### Skills Gained

- Anatomical understanding
- Testis examination procedure
- Testis palpation technique
- Pathology palpation and recognition

### Features

- Life-size testis of an adult with correct anatomical structures
- Durable material with realistic feel and touch
- Left testicle with pathology, a 0.8 cm hard nodule with irregular surface
- Ideal choice for learning testis examination procedures and skills



## Implant Contraceptive Training Model

Product No.: TYE4703



### Skills Gained

- Subcutaneous implantation and removal contraceptive

### Features

- The training arm of subcutaneous implantation contraceptive can be simulated to guide and train the operation of subcutaneous implantation contraceptive, and the operation exercises of subcutaneous implantation and removal contraceptive can be carried out under direct vision.
- Multiple subcutaneous implantation and removal operation training.

### Components

Implant Contraceptive Training Model		1
Spare skin		1
Tubular inserts		20
Soft foam insert		1
Operation manual		1

# ENT & Ophthalmology



## Intra-aural Examination Trainer

Product No.: TYE1572

### Outline

The soft ear model is anatomically correct. It is designed according to the standard ear examination position. The head and neck can be tilted to allow proper head positioning.

### Skills Gained

- Intra-aural lesions can be inspected by using the otoscope
- Proper postures for ear examination can be practiced



### Features

- Anatomy:
  - 1) Precise auditory canal and auricle structure
  - 2) 25 lesion cases for examination, 50 lesion modules:
    - A) Normal tympanic membrane
    - B) Tympanic membrane retraction
    - C) Membrane perforation
    - D) Full tympanic membrane perforation
    - E) Traumatic eardrum perforation
    - F) Dry rear central perforation
    - G) Tympanostomy tube
    - H) Bullous myringitis
    - I) Eardrum zoster
    - J) Eardrum Tympanosclerosis
    - K) Tympanosclerosis crescent sclerosis plaques
    - L) Serous otitis
    - M) Congestive early acute otitis media
    - N) Acute otitis media
    - O) Otitis media
    - P) Of chronic suppurative otitis media
    - Q) Mucous otitis media
    - R) Foreign body in the ear
    - S) Cholesteatoma
    - T) Cholesterol granuloma
    - U) Eardrum crusts
    - V) Hemotympanum
    - W) Tympanic atelectasis
    - X) Ear bone dislocation
    - Y) Pressure injury
- Versatility: Head and neck can be tilted easily to fulfil the need of inspection, easy to maintain and store

### Specifications

Packed weight(kg) & dimensions(cm)	3.5kg	29.5l	28w	37.5h
------------------------------------	-------	-------	-----	-------

### Components

Intra-aural Examination Trainer (binaural)	1
Modules for lesion cases(R1-R25)	25
Modules for lesion cases(L1-L25)	25
Legend of tympanic membrane diseases	1
Operation manual	1

## Epistaxis Simulator

Product No.: TYE1570

### Outline

The model, simulating an adult's head, is designed completely in accordance with the anatomical structure of a real human. Different bleeding sites are simulated for training.



### Skills Gained

- Hemostasis training (tools can be applied)
- Nasal bleeding including serious bleeding syndrome can be simulated; clinical ability to deal with emergency can be trained

### Features

- Anatomy:
  - 1) Anatomically accurate structure – nasal cavity and nasal septum
  - 2) 4 bleeding sites
- Key Features: Easy-to-use
- Feedback Console: lights will illuminate when hemostasis is correctly conducted, sound can also be heard

### Specifications

Packed weight(kg) & dimensions(cm)	4.25kg	46l	41.5w	29h
------------------------------------	--------	-----	-------	-----

### Components

Epistaxis Simulator	1
Control box	1
Cable	1
Operation manual	1

### Spares

02070039	Control Box
----------	-------------

## Maxillary Sinus Puncture Trainer

Product No.: TYE1571

### Outline

The model simulates the upper torso of an adult male, with realistic skin look and texture. Both left and right nasal cavity can conduct puncture training.



### Skills Gained

- Both sides of nasal cavity allow users to train puncture skills, with breakthrough feeling
- Fluid flush can be conducted; fluid is visible from the orifice of cavity

### Features

- Key Features: The feel of puncture corresponds closely to real life
- Versatility:
  - 1) Durable material allows repeatedly puncture training
  - 2) The simulator is exquisite in design and easy to move

### Specifications

Packed weight(kg) & dimensions(cm)	5.95kg	58.5l	48w	31.5h
------------------------------------	--------	-------	-----	-------

### Components

Maxillary Sinus Puncture Trainer	1
Puncture sac	6
Syringe (20ml)	1
Operation manual	1

### Spares

02010524	Puncture Sac
----------	--------------

## Eye Retinopathy Trainer

Product No.: TYE1573

### Outline

The trainer is the representation of the head and neck of an adult with delicate facial features and standard fundus examination position. Different fundus lesions that are commonly seen in clinical can be simulated by changing different lesion slides.

### Skills Gained

- Examination of retina and fundus
- 13 cases:
  - 1) Normal retina
  - 2) Senile macular degeneration/drusen
  - 3) Central retinal vein occlusion
  - 4) Hypertensive retinopathy
  - 5) Papilledema
  - 6) Disc cupping
  - 7) Optic atrophy
  - 8) Mild background diabetic retinopathy
  - 9) Background diabetic retinopathy
  - 10) Preproliferative diabetic retinopathy (1)
  - 11) Preproliferative diabetic retinopathy (2)
  - 12) Proliferative diabetic retinopathy
  - 13) Diabetic retinopathy



### Features

- Anatomy: Represents normal anatomy accurately
- Key features: Lesion slides can also be displayed through overhead projector for teaching
- Care: Durable material, easy to carry

### Specifications

Packed weight(kg) & dimensions(cm)	3.55kg	33.5l	26w	21.5h
------------------------------------	--------	-------	-----	-------

### Components

Eye Retinopathy Trainer	1
Slides for fundus lesions	13
Operation manual	1

# Rehabilitation

## Wearable Hemiplegia Nursing Simulation Suit

Product No.: TYE4009

### Outline

The suit is designed on the basis of the body shape of adults. It can give users a chance to experience the inconvenient movement resulted from physical condition deterioration and hemiplegia (both left and right side).



### Skills Gained

- With device fixed, users will experience ankylosis due to hemiplegia; the tightness can be adjusted by using the hook and loop tapes to simulate joint stiffness in different degrees
- Cane is provided to users to recognize the importance of using tool

### Features

- Key Features:
  - 1) The shoes, designed particularly for elder and disabled group, are light and skidproof
  - 2) The suit is made of light and durable material with reasonable price

### Specifications

Packed weight(kg) & dimensions(cm)	2.4kg	55l	33w	20h
------------------------------------	-------	-----	-----	-----

### Components

Suit	1
Shoes	1
Cane	1
Operation manual	1



## Aged Simulation Suit

Product No.: TYE4008

### Outline

The suit is designed according to the body shape of adults. It offers users an opportunity to feel what elder people may feel due to the aging of body and the inconvenience of life.



### Skills Gained

- The weight of the wrist and ankle joint allows the users to experience the feeling of aging in the elderly
- Kyphosis, muscle weakness, and joint stiffness can be simulated by adjusting the different parts of the adjusting belt
- The change of color vision and the reduction of visual field due to presbyopia and cataract can be simulated by using the specially made glasses
- Dysacusis can be experienced by wearing the earplug; ear muff can also be applied to achieve realistic effect

### Features

- Care:
  - 1) Easy to clean up by washing
  - 2) Durable and light material with reasonable price

### Specifications

Packed weight(kg) & dimensions(cm)	2.5kg	55l	33w	20h
------------------------------------	-------	-----	-----	-----

### Components

Suit	1
Shoes	1
Cane	1
Ear plugs (pairs)	3
Ear protectors	1
Glasses	1
Operation manual	1

# Anatomy

## Human Circulatory System Model

Product No.: TYE1518

### Outline

An adult male from the neck to the upper 1/3 of the thigh and used for demonstration of main arteries and veins and observation of blood circulation.



### Skills Gained

- Anatomical understanding
- Observation of blood circulation

### Features

- Key Features:
  - 1) Transparent shell, easy to observe the blood flow
  - 2) Include those arteries and veins:  
Arteries: Aorta, aortic arch, brachiocephalic trunk, common carotid artery (left & right), subclavian artery (left & right), abdominal aorta, common iliac artery (left & right)  
Veins: Internal jugular vein (left & right), subclavian vein (left & right), superior vena cava, common iliac veins (left & right)
  - 3) Anatomical view with color
  - 4) Equipped with self-priming pump, low noise

### Specifications

Packed weight(kg) & dimensions(cm)	kg	116.5l	56w	42h
------------------------------------	----	--------	-----	-----

### Components

Human Circulatory System Model	1
Adaptor	1
Connecting tube	2
50ml Syringe	1
Operation manual	1

TCM

## Pulse Training Simulator Plus-Server Pulse Training Simulator Plus-Client

Product No.: TYE5010.4  
TYE5010.5

### Outline

The device simulates an adult arm from a real human with precise anatomical landmarks and provides 44 clinical pulse manifestations for self-learning, training and assessment. Customers can also define and create their own pulse patterns to meet various needs of different TCM schools. Pulse waves can be displayed on the tablet in real time. User-friendly and intuitive interface offers excellent experience for students and instructors.



### Skills Gained

- 44 pulse manifestations learning: 28 single pulses - normal pulse, large pulse, floating pulse, scattered pulse, hollow pulse, deep pulse, hidden pulse, firm pulse, slow pulse, moderate pulse, rapid pulse, swift pulse, surging pulse, thready pulse, feeble pulse, weak pulse, faint pulse, replete pulse, slippery pulse, stirred pulse, unsmooth pulse, wiry pulse, tight pulse, tympanic pulse, soggy pulse, irregularly intermittent pulse, regularly intermittent pulse, irregular-rapid pulse; 16 concurrent pulses
- Server can control all the clients, which makes TCM examination easy and convenient for instructors



### Features

- Key Features:
  - 1) Server version includes a tablet, an adult arm, a cart and a server while Client version includes a tablet, an adult arm and a cart
  - 2) A representation of a real adult arm with lifelike feel and touch; precise anatomical structures including styloid process of radius, tendon of flexor carpi radialis and tendon palmaris longus; learners can locate right pulse-taking sites according to the realistic anatomical landmarks
  - 3) Improved design of the cart based on ergonomics, occupying less space and offering more room for the legs when taking pulses
  - 4) The tablet on the cart is removable, very flexible and easy for self-test and assessment
  - 5) Three modes available: self-study mode, self-test mode and examination mode (with Server) – a server can control all the clients for class learning and examinations
  - 6) Adjustable manifestations – pulse pressure (0-256) and pulse amplitude (16-80) can be adjusted. The manifestations can then be saved for further usage. Users can also choose to restore the default setting
  - 7) 3 pulse taking positions, 4 different taking strength, automatic recognition and corresponding color indications, which are very effective feedbacks for learners
  - 8) With the Server, instructors can send exams to all the students, manage and edit pulse manifestations, exam questions and scenarios, check and print exam results, share documents and videos to students. The server also supports different roles with different access to the system
  - 9) The arm can simulate left and right hand pulses, which is very important for critical thinking
  - 10) In self-study mode when taking a pulse, the tablet will show real-time pulse waves with descriptions of that pulse pattern features

### Specifications

Packed weight(kg) & dimensions(cm)	76kg	68l	64w	106h
------------------------------------	------	-----	-----	------

### Server Version Components

Pulse Training Simulator Plus	1
Server Computer	1
Tablet	1
Power cord	3
Pillow for pulse taking	1
Extension board	1
Spare hand skin	1
Operation manual	1

### Client Version Components

Pulse Training Simulator Plus	1
Tablet	1
Power cord	1
Pillow for pulse taking	3
Extension board	1
Spare hand skin	1
Operation manual	1

### Client Version Components

02050135	Spare hand skin
----------	-----------------

## HerbVR

Product No.: TYE5025

### Outline

HerbVR is designed to provide immersive and interactive experiences in learning herbology, including herbs, animal and mineral medicinals. The product composes of a Future 3D display, tracked & follower glasses, a stylus and the herbology software. With HerbVR, learning herbology for TCM students and herbalists is so much more fun and users can enjoy a longer retention of knowledge.



### Skills Gained

- Knowledge of geographic location and growing environment
- Knowledge of appearance, color, smell and taste
- Knowledge of medicinal parts
- Knowledge of function and efficacy
- Knowledge of usage and dosage
- Differentiations of similar herbs, animal and mineral medicinals

### Features

- Realism: Real pictures of medicinal slices and lifelike plants, animal and mineral visualization as well as their growing surroundings
- Key Features:
  - 1) 138 kinds of herbs, animal and mineral medicinals. Click one and enter the medicine-chest. Click the medicine-chest and then the medicine you choose will vividly show on the map
  - 2) 3D visualization of medicinals and tracking system for the best perspective to learners
  - 3) Dismantlement of different parts of herb plants for better understanding
  - 4) Comprehensive knowledge of medicinals
  - 5) Vast and extensive library of herbal, animal and mineral medicinals
  - 6) Immersive and interactive experience for individual and group learning

### Components

Future 3D Display		1
Dongle		1
Operation manual		1

## Acupuncture Training Head

Product No.: TYE5003

### Outline

The training model is a realistic and tactile representation of a 172cm, 63kg adult male upper torso, with 55cm head circumference.



### Skills Gained

- 20 acupuncture points are marked on the head: Baihui, Sishencong, Taiyang, Fengchi, etc.
- Multiple acupuncture skills practice, with realistic breakthrough feel

### Features

- Anatomy: Represents normal anatomy precisely
- Key Features: The landmarks are invisible under common light, can only be seen using the provided special light source

### Specifications

Packed weight(kg) & dimensions(cm)		4.8kg		46l		41.5w		29h
------------------------------------	--	-------	--	-----	--	-------	--	-----

### Components

Acupuncture Training Head		1
Torch		1
Needle package		1
Operation manual		1

## Acupuncture Training Arm

Product No.: TYE5005

### Outline

The training arm represents an anatomically right adult arm using advanced material and also gives users more realistic skin feel and texture.



### Skills Gained

- 40 common acupuncture points (Hegu, Quchi, Lieque, Wuyu, etc.) for positioning, acupuncture demonstration, practice and assessment
- Multiple acupuncture skills practice, realistic breakthrough feeling

### Features

- Anatomy: Ulna, radius bone, olecranon, etc.
- Key Features: The landmarks are invisible under common light. They can only be seen under special light source provided

### Specifications

Packed weight(kg) & dimensions(cm)	2.3kg	77l	19w	18h
------------------------------------	-------	-----	-----	-----

### Components

Acupuncture Training Arm	1
Torch	1
Needle package	1
Operation manual	1

## Acupuncture Training Buttock

Product No.: TYE5004

### Outline

The model simulates the lower torso of an adult male, with 172cm height, 63kg weight, and 98cm hip circumference. Realistic skin look and feel provides users an ideal training platform.



### Skills Gained

- 20 commonly used acupuncture points, such as Huantiao, Changqiang, Huiyang, Shenque, Guanyuan, Qihai, Tianshu, Guilai, Daheng, Chengfu, Julliao, Weidao, Wushu, Daimai, Yaoyangguan, Dachangyu, Xiaochangyu, Pangguangyu, Zhibian, Ciliao
- Multiple skills and techniques can be trained and practiced, realistic breakthrough feeling

### Features

- Key Features: The landmarks are invisible under common light. They can only be seen under special light source provided

### Specifications

Packed weight(kg) & dimensions(cm)	5.85kg	46l	41.5w	29h
------------------------------------	--------	-----	-------	-----

### Components

Acupuncture Training Buttock	1
Torch	1
Needle package	1
Operation manual	1

## Acupuncture Training Model

Product No.: TYE5013

### Outline

The model is a realistic reproduction of human patient arm with lifelike skin. Accurate arm shape and proper flexibility enhance training results. The advanced material, compared with traditional material such as paper pad or cotton pad, is more ideal for operating.



### Skills Gained

- Needling techniques demonstration and practice, such as single hand and double hand insertion, finger press insertion, and clamping insertion
- Other insertion methods that cannot be showed on the traditional pads can be practiced on this training model, such as stretching insertion, lifting and pinching insertion, and needle insertion, with realistic breakthrough feeling
- Various manipulations can be trained, for instance, lifting-inserting method, twirling-rotating method, other supplementary methods (pressing, plucking, scraping, and shaking), and reinforcing and reducing method. Users can feel the heaviness and tension beneath the needle

### Features

- Anatomy: Clear anatomical layers include skin, subcutaneous tissue, muscles, and bones
- Care: Simple structure, easy to assemble, the base is made of advanced material which allows the stability of operation

### Specifications

Packed weight(kg) & dimensions(cm)	0.6kg	28l	15.5w	13h
------------------------------------	-------	-----	-------	-----

### Components

Acupuncture Training Model	1
Operation manual	1

## Needling Techniques Trainer

Product No.: TYE5006

### Outline

This product is an ideal choice for needling techniques training, compact and easy to carry. It has lifelike skin and clear anatomical layers like subcutaneous tissue, muscles, etc., allowing users to feel skin breakthrough when the needle is inserted.



### Skills Gained

- Different needling techniques like single-handed insertion, double-handed insertion, fingernail-pressure needle inserting, fingers-squeezed-needle inserting, skin stretching needle inserting, needle inserting with the tube
- Practice of needling manipulation such as lifting and inserting, twirling of needle, various auxiliary methods (needle-handle flicking, needle-handle scraping, needle-handle shaking, etc.)
- Practice of reinforcing and reducing method

### Features

- Realism: Supple and elastic simulated skin, providing realistic practice for trainees
- Key Features:
  - 1)Used for demonstration and practice of different needling technique
  - 2)Used for demonstration and practice of different needling manipulation
  - 3)There is a protective metal plate to prevent accidental injury
  - 4)It is made of durable materials, which can be used repeatedly, and it is not easy to leave needle holes

### Specifications

Packed weight(kg) & dimensions(cm)	0.15kg	7l	7w	5h
------------------------------------	--------	----	----	----

### Components

Needling Techniques Trainer	1
Operation Manual	1

## TCM Multi-Skill Task Trainer

Product No.: TYE5001

### Outline

The TCM Multi-Skill Task Trainer is with true-to-life touch and feel. It's a good choice for TCM skills training like cupping, scraping, moxibustion and Bian-stone therapy. The back is made of fireproof and heat-resistant material that will not damage the model when performing different operations.



### Skills Gained

- Cupping therapy
- Scraping (Gua Sha) therapy
- Moxibustion
- Bian-stone therapy

### Features

- Anatomy:
  1. Life-size back of an adult from head to intergluteal cleft
  2. Correct bony landmark in the back including shoulder blade, the 7th cervical vertebra, thoracic vertebra, spinous process of the lumbar vertebra, etc.
- Realism:
  1. Soft and supple skin; realistic feel and touch
  2. The skin can be pulled up
- Key Features:
  1. Cupping therapy
    - A. Using medical cupping jars to practice cupping including both flash cupping and walking cupping
    - B. Back skin and muscular tissue support easy suction of the cups to the model
    - C. The model can be placed in standing or prone posture, easy to perform fire-insertion cupping and cotton-burning cupping
  2. Scraping therapy & Bian-stone therapy
 

Realistic scraping tools and stone-based equipment can be used for training and assessment of Scraping and Bian-stone therapy
  3. Moxibustion
 

Moxa stick and moxa cone can be used for training and assessment of moxibustion including over skin moxibustion, sparrow-pecking moxibustion, circling moxibustion, ginger moxibustion and salt moxibustion

### Specifications

Packed weight(kg) & dimensions(cm)	14.8kg	99l	52w	26h
------------------------------------	--------	-----	-----	-----

### Components

TCM Multi-Skill Task Trainer	1
Operation manual	1

## SP Moulage for TCM

Product No.: TYE5019

### Outline

This set of moulage provides various TCM pathological simulation for demonstration and training. They can be worn by real SPs or simulators for different scenarios.



### Skills Gained

- Recognition and diagnosis of various TCM disease
- Bandaging and dressing-changing

### Features

- Realism:
  - 1) Latest make-up technology and advanced material bring superb realism
  - 2) Vivid lesion tissue and lifelike feel and touch
- Versatility:
  - 1) Moulage stickers can be used with real SPs or different simulators
  - 2) Multiple pathologies like acute mastitis, erysipelas, carbuncle, ecthyma
- Material: non-toxic, durable, safe and reliable. The product supports long-term storage without deformation

### Specifications

Packed weight(kg) & dimensions(cm)	1kg	28l	15.5w	13h
------------------------------------	-----	-----	-------	-----

### Components

SP Moulage for TCM	1
Acute mastitis module	3
Erysipelas module	2
Carbuncle module	2
Ecthyma module	1
Mixing blade	1
Mixing palette	1
User manual	1

# Ultrasound



## FAST Ultrasound Training Phantom **NEW**

Product No.: TYE1561

### Outline

This adult male torso (head to mid-thigh) is a realistic and anatomically correct phantom excellent for training users to develop and practice the skills necessary to perform FAST exam ultrasound procedures.



### Skills Gained

- Familiarity with chest, abdomen & pelvis underlying anatomy
- Ultrasound image interpretation
- Recognition of various pathologies using ultrasound
- Handling ultrasound machine & different transducers
- Palpation & various centeses

### Features

- Anatomy:
  - 1) Lifelike feel and touch with soft abdomen.
  - 2) Internal simulated human skeleton structures like ribs, sternum, pelvis, etc.
  - 3) Correct chest & abdomen anatomical structures like heart, lungs, liver, gallbladder, pancreas, stomach, spleen, kidneys, intestinal canals, bladder, etc.
- Realism:
  - 1) The model is made of high polymer material which can be used with real clinical ultrasound machines of various types and brands.
  - 2) Real anatomical and pathological ultrasound images.
- Versatility: Bleeding in the thoracic, abdominal and pelvic cavity can be simulated. When internal bleeding happens, ultrasound check will show no echo liquid dark areas and simulated blood can be drawn.



- Key Features:
  - 1) Chest ultrasound functions
    - A. The product can simulate pleural effusion, such as pericardial effusion and show related costophrenic angle as well as liquid dark area. The amount of pleural effusion can be changed by adjusting injected fluid volume.
    - B. Ultrasound anatomical structures include heart with left ventricle, right ventricle, left atrium, right atrium, cardiac valves, etc.
    - C. Standard sub-xiphoid four-chamber cardiac view is available. Support separate display of ventricle, atrium, mitral valve, tricuspid valve, aortic valve, pulmonary valve, pulmonary artery, aorta and other structures.
    - D. Realistic right lung structure allows for using the probe long-axis to scan along the parasternal line, anterior axillary line, mid-axillary, posterior axillary line and the outer edge line of scapula. Users can also do short-axis scanning for ultrasound images of organs, pleural line, ribs and sternum.
  - 2) Abdominal ultrasound functions
    - A. Bony landmarks include costal margin, xiphoid, anterior superior iliac spine, etc.
    - B. Scan the hepatorenal space and splenorenal space to check if ascites exists. No echo if there is abdominal effusion. The amount of ascites can be changed by adjusting injected fluid volume.
    - C. Various pathologies and anatomical ultrasound images available, like Glisson's capsule, liver parenchyma, hepatic veins, pancreatic parenchyma, pancreatic duct, splenic capsule, parenchyma of the spleen, renal capsule, renal cortex, renal medullary, renal pelvis, renal calyx, etc.
    - D. A full bladder in the abdominal cavity will show pelvic ultrasound features as well as liquid dark area of pelvic effusion.

### Specifications

Packed weight(kg) & dimensions(cm)	kg	l	w	h
------------------------------------	----	---	---	---

### Components

FAST Ultrasound Training Phantom	1
Syringe	1
Tubing for fluid refill	1
User manual	1



## Ultrasound Pericardial Puncture Model

Product No.: TYE1589



### Outline

This model simulates male upper body from the neck to the lower margin of the costal arch, is designed to develop the skills for pericardial puncture.

### Skills Gained

- Anatomical familiarity
- Ultrasound probe handling
- Pericardial puncture

### Features

- Anatomy: obvious anatomical landmarks, including papilla, xiphoid process, sternal angle, clavicle, ribs and intercostal spaces, etc.
- Realism:
  - 1) built-in high-fidelity human tissue structures in the ultrasound module, including the heart (left ventricle, right ventricle, left atrium, right atrium, mitral valve, tricuspid valve, aortic valve, pulmonary valve), part of the liver and the pericardium
  - 2) Realistic puncture experience
- Key Features:
  - 1) Compliant with all ultrasound machines for standard and clear ultrasound cut-plane image
  - 2) Parasternal long & short axis view, apical 4-chamber view, subxiphoid 4-chamber view available
  - 3) Visceral layer of serous pericardium, parietal layer of serous pericardium, left atrium, left ventricle, right atrium, right ventricle and the fluid dark area of pericardial effusion can be seen under ultrasound
  - 4) Pericardial effusion puncture can be performed under the guidance of ultrasound through subxiphoid, apical and parasternal approaches
  - 5) Light yellow, grass green or dark red simulated effusion can be extracted with successful puncture, and bright red simulated blood can be drawn if the needle mistakenly inserted into the heart
  - 6) Liquid refill interface for adjusting effusion amount
  - 7) Durable skin pad supports disinfection and no less than 100 punctures with no leakage; easy replacement

### Specifications

Packed weight(kg) & dimensions(cm)	kg	l	w	h
------------------------------------	----	---	---	---

### Components

Ultrasound Pericardial Puncture Model	1
Operation manual	1

## Central Venous Catheterization Ultrasound Training Model



Product No.: TYE1510.2

### Outline

It is a model from the earlobe plane to the umbilical plane with its head turned to one side. It's put in a standard central venipuncture and catheterization position, including landmarks such as right arm, clavicle, ribs, sternocleidomastoid muscle, sternoclavicular joint, etc. It can be used for ultrasound-guided subclavian vein and internal jugular vein puncture and catheterization. The model's arm can be used for ultrasound-guided PICC catheter placement.



### Skills Gained

- Subclavian vein puncture and catheterization
- Internal jugular vein puncture and catheterization
- PICC catheter placement

### Features

- Anatomy: Right internal jugular vein, right common carotid artery, superior vena cava, right brachiocephalic vein, right brachiocephalic trunk, right subclavian vein, right subclavian artery, etc.
- Key Features:
  - 1) The module for central venous catheterization is transparent, allowing users to clearly see the course and adjacent relationship of blood vessels
  - 2) The puncture module supports using a clinical real ultrasound machine to observe clear images such as right internal jugular vein, right common carotid artery, superior vena cava, right brachiocephalic vein, right brachiocephalic trunk, right subclavian vein, right subclavian artery, etc.

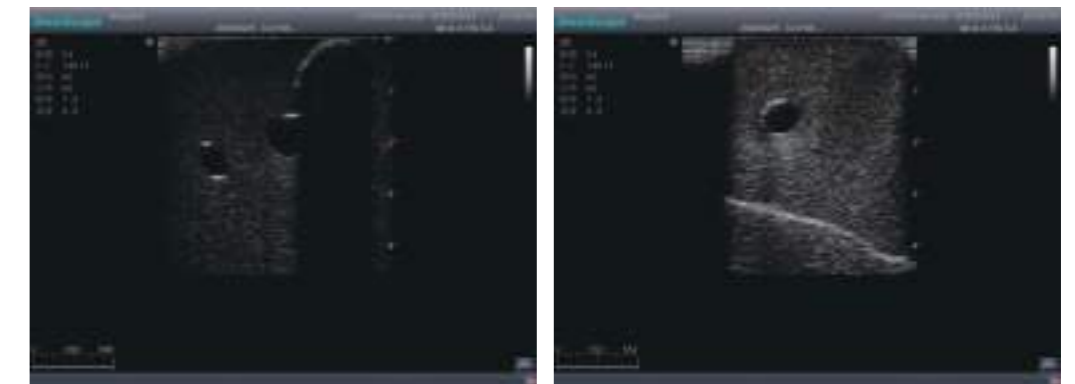
- 3) The puncture pad at the arm is made of high-molecular ultrasound material, close to real skin. It can support the use of real ultrasound machines, and the images of tissue structures (skin, subcutaneous tissue, blood vessels) under ultrasound are clear and real
- 4) A sense of "pop" can be felt when the vascular puncture is successful, and the outflow of venous blood can be simulated
- 5) The guide wire's march can be observed under the guidance of ultrasound, and also whether the catheter is placed correctly can be detected
- 6) All the puncture modules are replaceable

### Specifications

Packed weight(kg) & dimensions(cm)	9.1kg	79.5l	61w	25.5h
	4.6kg	48l	38.5w	24h

### Components

Central Venous Catheterization Ultrasound Training	1
Model	1
Ultrasound module	1
Syringe (50ml)	1
Connecting tube	1
Operation Manual	1



### Spares

02060603	Training module
02060604	Training module-transparent

## Breast Ultrasound Examination Model

Product No.: TYE1568

### Outline

The Breast Ultrasound Examination Model allows users to develop and practice the skills necessary to gain proficiency in breast palpation, using ultrasound for normal and abnormal imaging and biopsy. It simulates adult female breasts with realistic size and appearance.



### Skills Gained

- Breast palpation
- Breast ultrasound examination
- Using ultrasound to target the lesions for biopsy

### Features

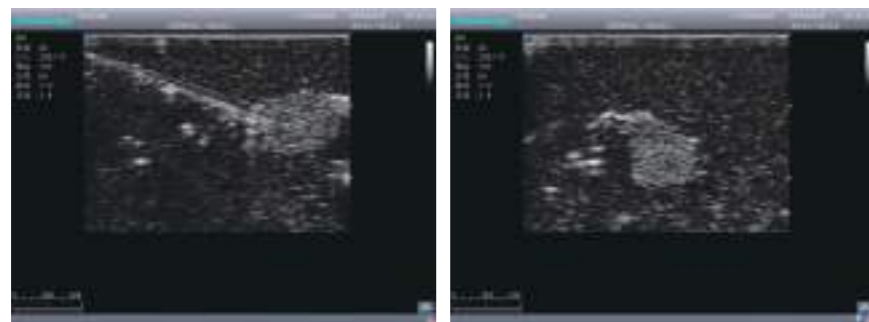
- Realism:
  - 1) True-to-life size and appearance necessary to provide realistic practice for trainees
  - 2) Soft and elastic skin; realistic feel and touch
- Key Features:
  - 1) Made up of two breast models and a pedestal, easy to install and remove
  - 2) Each model contains 8 space-occupying lesions of varying sizes, different in touch, elasticity and ultrasonogram
  - 3) Space-occupying lesions present in both the four breast quadrants and the Tail of Spence
  - 4) Biomimetic material allowing users to see clear and real normal tissues and space-occupying lesions that are hyperechoic, hypoechoic and isoechoic as they would see in the clinical environment

### Specifications

Packed weight(kg) & dimensions(cm)	3.9kg	41l	32w	24h
------------------------------------	-------	-----	-----	-----

### Components

Breast Ultrasound Examination Model	1
Operation manual	1



### Spares

02060544	Left breast module
02060545	Right breast module

## Wearable Breast Ultrasound Examination Model

Product No.: TYE1568.1

### Outline

The Wearable Breast Ultrasound Examination Model allows users to develop and practice the skills necessary to gain proficiency in breast palpation, using ultrasound for normal and abnormal imaging and biopsy. It simulates adult female breasts with realistic size and appearance.



### Skills Gained

- Breast palpation
- Breast ultrasound examination
- Using ultrasound to target the lesions for biopsy

### Features

- Realism:
  - 1) True-to-life size and appearance necessary to provide realistic practice for trainees
  - 2) Soft and elastic skin; realistic feel and touch
- Key Features:
  - 1) Made up of two breast models and a wearable vest, easy to install and remove
  - 2) Each model contains 8 space-occupying lesions of varying sizes, different in touch, elasticity and ultrasonogram
  - 3) Space-occupying lesions present in both the four breast quadrants and the Tail of Spence
  - 4) Biomimetic material allowing users to see clear and real normal tissues and space-occupying lesions that are hyperechoic, hypoechoic and isoechoic as they would see in the clinical environment

### Specifications

Packed weight(kg) & dimensions(cm)	kg	41l	32w	24h
------------------------------------	----	-----	-----	-----

### Components

Wearable Breast Ultrasound Examination Model	1
Operation manual	1



### Spares

02060544	Left breast module
02060545	Right breast module

## Abdominal Ultrasound Phantom

Product No.: TYE1569

### Outline

This product is a true-to-life male torso designed for abdominal ultrasound training. It offers you an effective solution for preparing learners for routine abdomen checkup including percussion, various puncture under ultrasound guidance and ultrasound image reading. The realism of the product and the skillset specific to abdominal examination techniques will bring learners competence and confidence.



### Skills Gained

- Familiarity with the abdominal regions and underlying anatomy
- Recognition of abdominal vessels & organs using ultrasound
- Recognition of various abdominal pathologies using ultrasound
- Handling ultrasound transducers
- Practice in abdominal palpation, percussion & various centeses
- Through ultrasound, identification of safe needle/catheter insertion sites

### Features

- Realism: Soft material with realistic touch and feel
- Anatomy: Correct anatomical structures and obvious landmarks, including superior iliac spine, navel, pubic symphysis and groin etc.

#### Key Features:

- 1) Ideal for trainings like ultrasound-guided abdominocentesis with visible ascites flowing out, ultrasound-guided femoral artery & venous puncture
- 2) High quality ultrasound image with clear structures like gallbladder, liver, intestines, arteries and veins etc.
- 3) Compatible with all types of clinical ultrasound machines
- 4) Ultrasound gallbladder pathologies like cholecystitis, gallstone and polypoid degeneration
- 5) Normal & pathological ultrasound live and intestine models inside
- 6) Durable for repeated use & easy replacement for consumable parts

### Specifications

Packed weight(kg) & dimensions(cm)	kg	66.5l	44w	36.5h
------------------------------------	----	-------	-----	-------

### Components

Abdominal Ultrasound Phantom	1
200ml syringe	1
Tubing for fluid refill	1
Operation manual	1

### Spares

02050358	Femoral arteriovenous module
----------	------------------------------



## Foreign Body Ultrasound Training Model

Product No.: TYE4033

### Outline

This training block is designed for training users in the techniques associated with ultrasound guided foreign body identification, targeting, and retrieval.

### Skills Gained

- Proper transducer positioning
- Ultrasound image interpretation
- Ultrasound recognition of common objects
- Surgical cutting

### Features

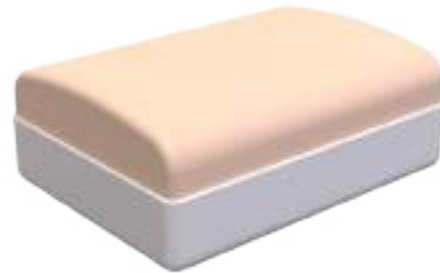
- Realistic feel and touch
- High-quality ultrasound images
- Durable material allows for repeated use
- Easy replacement of consumables
- Different object depths for various training
- Objects found in the human body including:
  - Glass shards
  - Wood splinter
  - Bullet
  - Plastic fragments
  - Metal fragments
- Compatible with various real ultrasound machines

### Specifications

Packed weight(kg) & dimensions(cm)	kg	28l	15.5w	13h
------------------------------------	----	-----	-------	-----

### Components

Foreign Body Ultrasound Training Model	1
Operation manual	1



## Amniocentesis Ultrasound Trainer

Product No.: TYE1563

### Outline

The trainer is designed for users to develop, practice, and validate skills associated with ultrasound guided amniocentesis procedures. With superb realism and ultra-durable design, this product is a good choice for training amniocentesis skills.

### Skills Gained

- Proper transducer positioning
- Ultrasound image interpretation
- Psychomotor skills for amniocentesis

### Features

- Anatomy: accurate anatomical structures and landmarks like breasts, bulged belly, fetus and symphysis pubis etc.
- Durable material with realistic feel and touch
- High-quality ultrasound images for users to recognize 22-week fetus, placenta, placenta, umbilical cord and amniotic fluid
- Self-healing material for repeated punctures
- Compatible with various real ultrasound machines
- Adjustable amount of amniotic fluid to meet different training needs
- Realistic sense of breakthrough when puncturing the amnion cavity and amniotic fluid can be drawn out

### Specifications

Packed weight(kg) & dimensions(cm)	6.8kg	55.5l	33.5w	20h
	11.6kg	92.5l	43.5w	30.5h

### Components

Amniocentesis ultrasound trainer	1
Operation manual	1



### Spares

02060608	Spare skin
----------	------------



## Abscess Drainage Ultrasound Trainer

Product No.: TYE1562

### Outline

The trainer is designed for abscess ultrasound recognition, drainage, surgical cutting & suturing. With realistic landmarks and high-quality images, it's an excellent choice for abscess-related skill training and practice.

### Skills Gained

- Proper transducer positioning
- Ultrasound image interpretation
- Ultrasound recognition of abscess
- Abscess drainage

### Features

- Anatomy: accurate anatomical structures like iliac crest, cleft starting point etc.
- Different abscess types: single sac on the right side and multiple sacs on the left side
- Durable material, easy to carry
- Realistic abscess feel and touch
- Compatible with various real ultrasound machines High-quality ultrasound images to show skin, soft tissues, abscess cavity and pus
- Support abscess incision, drainage with visible fluid and suturing

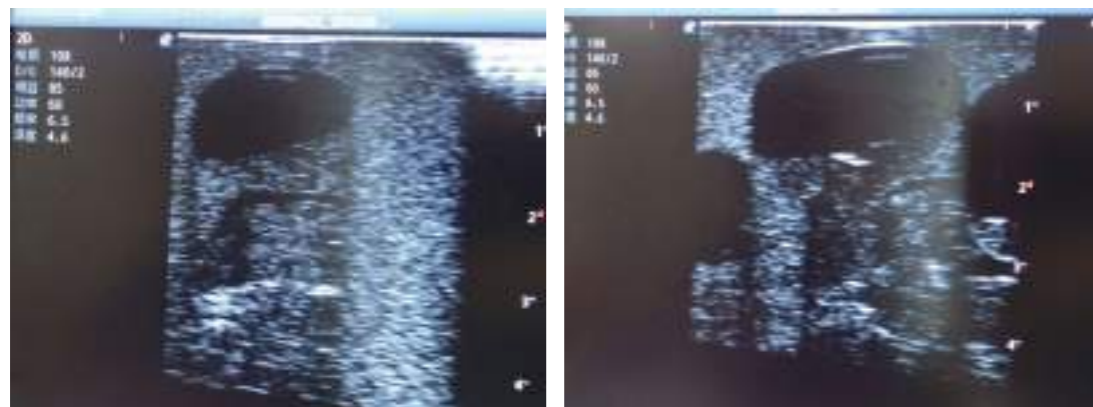


### Specifications

Packed weight(kg) & dimensions(cm)	kg	28l	15.5w	13h
------------------------------------	----	-----	-------	-----

### Components

Abscess Drainage Ultrasound Trainer	1
Operation manual	1



### Spares

02060579	Left abscess module
02060580	Right abscess module

## Femoral Arteriovenous Puncture & Abdominocentesis Ultrasound Training Model

Product No.: TYE1565

### Outline

This model is an ideal choice for ultrasound-guided femoral arteriovenous puncture & abdominocentesis training with true-to-life skin feel and touch, accurate anatomical structures and real clinical ultrasound images. Realistic resistance to needle tips and correct landmarks provide excellent hands-on experience.



### Skills Gained

- Recognition of landmarks by ultrasound and image interpretation
- Abdominal percussion
- Abdominocentesis
- Femoral arteriovenous puncture

### Features

- Anatomy: Abdomen, anterior superior iliac spine, navel, symphysis pubis, groin, femoral artery, femoral veins, etc.
- Realism:
  - 1) Advanced material for true-to like skin touch, feel and puncture
  - 2) Real clinical ultrasound images with clear anatomical structures like intestines, part of the liver, arteries and veins, etc.
- Key Features:
  - 1) Ultrasound-guided puncture and abdominocentesis practice
  - 2) Resistance & "pop" felt through the needles
  - 3) Durable and replaceable puncture pads
  - 4) Fluid available after successful puncture

## Specifications

Packed weight(kg) & dimensions(cm)	8kg	66.5l	44w	36.5h
------------------------------------	-----	-------	-----	-------

## Components

Femoral Arteriovenous Puncture & Abdominocentesis Ultrasound Training Model	1
200ml syringe	1
Water inlet connector	1
Operation manual	1

## Spares

02050358	Femoral arteriovenous module
02050357	Abdominal module



## Vascular Access Ultrasound Training Model

Product No.: TYE4034

### Outline

The model is designed for simulating skin and arteriovenous puncture. It contains an artery and a vena comitans. Trainees can practice arteriovenous identification, arteriopuncture and venipuncture.



### Skills Gained

- Arteriovenous identification
- Arteriopuncture
- Venipuncture
- Vascular access

### Features

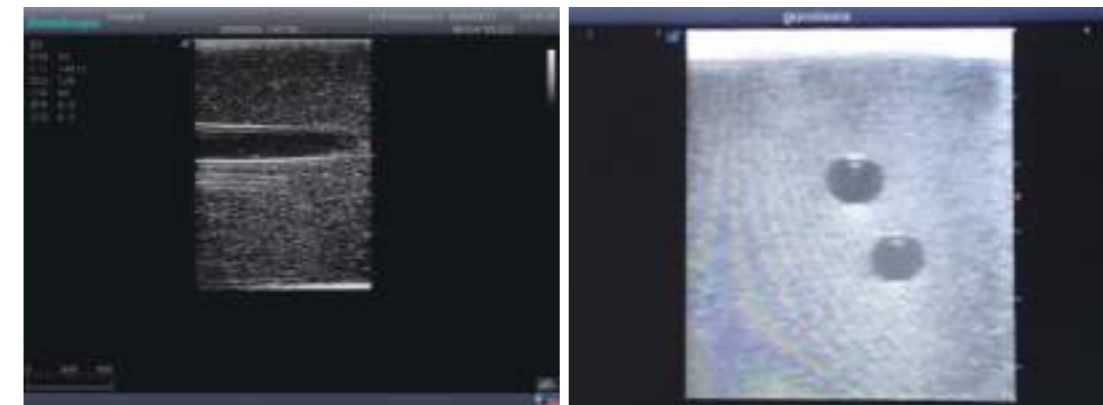
- Made of high molecular polymer ultrasound material, close to real skin. It can conduct ultrasound-guided puncture exercises with various clinical models of real ultrasound machines
- Clear and real images of arteries and veins
- Showing physiological phenomena that veins are easier to be flatted than arteries under external pressure
- When conducting vascular puncture, the piercing can be truly felt
- Externally connected with the arterial pulsation ball, which can simulate the arterial pulsation as needed and make the puncture environment more realistic
- The simulated arteries and veins are respectively externally connected with water bags, ensuring the liquid can be continuously extracted

## Specifications

Packed weight(kg) & dimensions(cm)	2.5kg	32l	25w	12h
------------------------------------	-------	-----	-----	-----

## Components

Vascular Access Ultrasound Training Model	1	2ml syringe	1
Liquid reservoir	2	Water inlet connector	1
50ml syringe	1	Operation manual	1



## Pneumothorax & Thoracic Closed Drainage Ultrasound Training Model

Product No.: TYE1566

### Outline

It is a model covering up from the neck to the umbilicus with body surface markers such as ribs, intercostal space, left and right intercostal arches, armpits and nipples.



### Skills Gained

- Ultrasound diagnosis before operation
- Thoracocentesis & thoracic closed drainage

### Features

- Key Features:
  - 1) Durable and can be repeatedly used
  - 2) Made of high molecular polymer ultrasound material, close to the real skin. It can conduct ultrasound-guided puncture exercises with various clinical models of real ultrasound machines.
  - 3) Showing clear and real images of the tissues and organs (including muscle and connective tissue, air-containing lung tissue, pleural structure)
  - 4) When conducting puncture, the piercing can be truly felt
  - 5) Fluid in the chest to simulate pleural effusion
  - 6) Pneumothorax to release gas pressure
  - 7) Modules of the puncture position are replaceable

### Specifications

Packed weight(kg) & dimensions(cm)	12.5kg	59l	49w	33h
------------------------------------	--------	-----	-----	-----

### Components

Pneumothorax & Thoracic Closed Drainage Ultrasound Training Model	1
200ml syringe	1
Water inlet connector	1
Handheld airbag	1
Operation manual	1

### Spares

02060572	Pneumothorax module
02060573	Closed thoracic drainage module





## Thoracentesis Ultrasound Training Model

Product No.: TYE1567

### Outline

This model is an ideal choice for ultrasound-guided thoracentesis training with true-to-life skin feel and touch, accurate anatomical structures as well as real clinical ultrasound images. Realistic resistance to needle tips and correct landmarks provide excellent hands-on experience.



### Skills Gained

- Anatomical understanding and palpation
- Recognition of landmarks by ultrasound and image interpretation
- Needle insertion
- Fluid aspiration

### Features

- Anatomy: Ribs, intercostal space, costal arch, axilla, scapular, etc.
- Realism:
  - 1) Advanced material for true-to-life skin touch, feel and puncture
  - 2) Real clinical ultrasound images with clear muscles, connective tissues, lungs and pleural structures
  - 3) Compatible with various real ultrasound machines
- Key Features:
  - 1) Ultrasound-guided thoracentesis practice
  - 2) Resistance & "pop" felt through the needles
  - 3) Puncture pad is durable and replaceable for repeated use
  - 4) 300ml-reservoir in both sides for long time fluid aspiration
  - 5) Fluid available after successful puncture

### Specifications

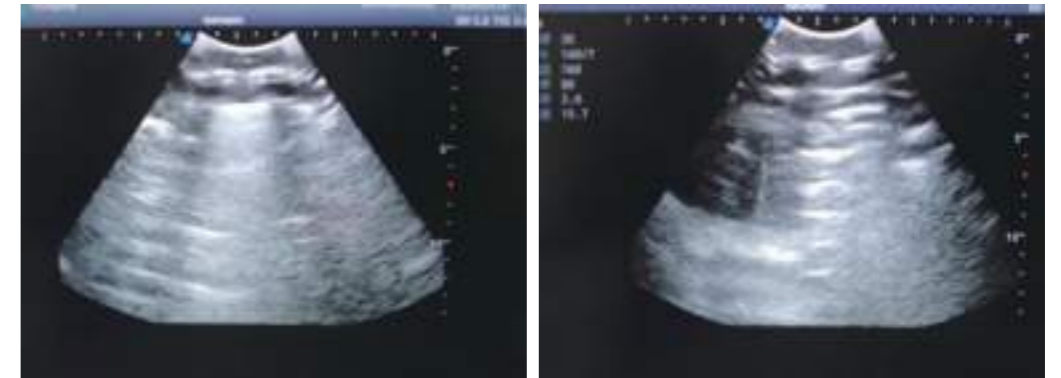
Packed weight(kg) & dimensions(cm)	19kg	59l	49w	33h
------------------------------------	------	-----	-----	-----

### Components

Thoracentesis Ultrasound Training Model	1
200ml syringe	1
Water outlet connector	1
Water inlet connector	1
Operation manual	1

### Spares

02060566	Left thoracentesis module
02060567	Right thoracentesis module



## Adult Lumbar Puncture Ultrasound Training Model

Product No.:TYE1549.2

### Outline

This model is an ideal choice for ultrasound-guided adult lumbar puncture training with true-to-life skin feel and touch, accurate anatomical structures as well as real clinical ultrasound images. Realistic resistance to needle tips and correct landmarks provide excellent hands-on experience.

### Skills Gained

- Anatomical understanding and palpation
- Ultrasound probe handling and image interpretation
- Lumbar puncture
- CSF collection

### Features

- Anatomy: Accurate anatomical structure of L1-L5 and the vertebral canal
- Realism:
  - 1) Advanced material for true-to-life skin touch, feel and puncture
  - 2) Real clinical ultrasound images
  - 3) Compatible with various real ultrasound machines
- Key Features:
  - 1) Ultrasound-guided lumbar puncture practice
  - 2) Resistance & "pop" felt through the needles
  - 3) Correct adult anatomy
  - 4) CSF available after successful puncture



### Specifications

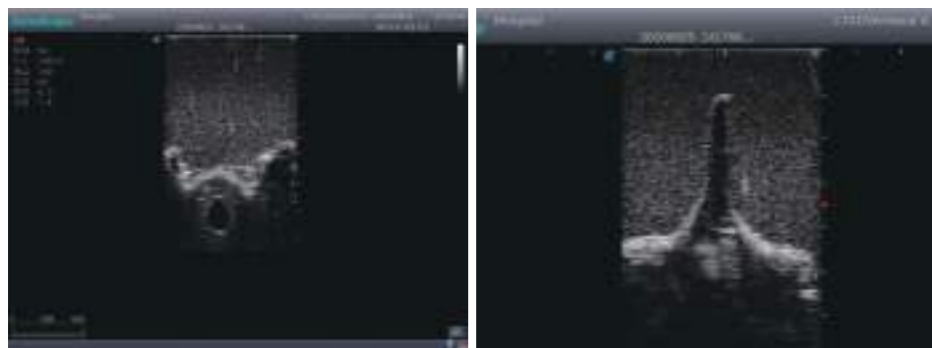
Packed weight(kg) & dimensions(cm)	16kg	46l	41.5w	28.5h
------------------------------------	------	-----	-------	-------

### Components

Adult Lumbar Puncture Ultrasound Training Model	1	Water inlet connector	1
50ml syringe	1	Operation manual	1

### Spares

02060569	Adult lumbar puncture module
----------	------------------------------



## PICC Ultrasound Training Model

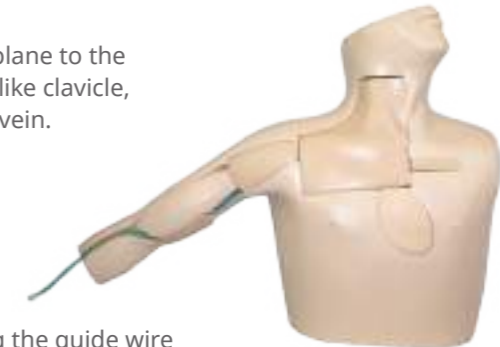
Product No.:TYE1510.1

### Outline

It is a model covering up from lobulus auriculae plane to the umbilical plane, and it has anatomical structures like clavicle, rib, sternocleidomastoid, jugular vein and basilic vein.

### Skills Gained

- PICC training
- Trocar puncture
- Skin dilation with the expander
- Insert the catheter into the central vein along the guide wire



### Features

- Made of high molecular polymer ultrasound material, close to the real skin
- It can be used by real ultrasound machines
- Clear and real images of the tissues and organs (basilic vein and superior vena cava)
- When conducting vascular puncture, the piercing can be truly felt, and venous blood outflow can be seen
- Observe the guide wire marches
- Detect whether the catheter is properly placed
- Modules of the puncture position are replaceable

### Specifications

Packed weight(kg) & dimensions(cm)	15kg	92l	52w	29h
------------------------------------	------	-----	-----	-----

### Components

PICC Ultrasound Training Model	1	Water inlet connector	1
50ml syringe	1	Operation manual	1



## Pediatric Lumbar Puncture Ultrasound Training Model

Product No.: TYE1558.1

### Outline

This model is an ideal choice for ultrasound-guided pediatric lumbar puncture training with true-to-life skin feel and touch, accurate anatomical structures as well as real clinical ultrasound images. Realistic resistance to needle tips and correct landmarks provide excellent hands-on experience.

### Skills Gained

- Anatomical understanding and palpation
- Ultrasound probe handling and image interpretation
- Lumbar puncture
- CSF collection

### Features

- Anatomy: Accurate anatomical structure of L1-L5 and the vertebral canal
- Realism:
  - 1) Advanced material for true-to-life skin touch, feel and puncture
  - 2) Real clinical ultrasound images
  - 3) Compatible with various real ultrasound machines
- Key Features:
  - 1) Ultrasound-guided lumbar puncture practice
  - 2) Resistance & “pop” felt through the needles
  - 3) Correct child anatomy
  - 4) CSF available after successful puncture



### Specifications

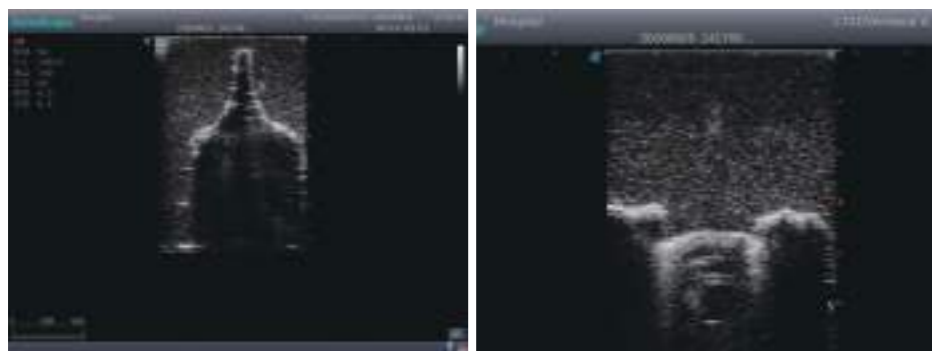
Packed weight(kg) & dimensions(cm)	15.8kg	41.5l	31.5w	32.5h
------------------------------------	--------	-------	-------	-------

### Components

Pediatric Lumbar Puncture Ultrasound Training Model	1	Reservoir	1
50ml syringe	1	Operation manual	1
Water inlet connector	1		

### Spares

02060570	Pediatric lumbar puncture module
----------	----------------------------------



## Knee Arthrocentesis Ultrasound Training Model

Product No.: TYE1309

### Outline

This model is an ideal choice for ultrasound-guided knee arthrocentesis training with true-to-life skin feel and touch, accurate anatomical structures as well as real clinical ultrasound images. Realistic resistance to needle tips and correct landmarks provide excellent hands-on experience.



### Skills Gained

- Palpating anatomic landmarks significant to the procedure
- Recognition of landmarks by ultrasound and image interpretation
- Needle aspiration and injection techniques
- Floating patella examination

### Features

- Anatomy: Femur, tibia, patella, joint cavity, synovial sac and synovial fluid, etc.
- Realism:
  - 1) Advanced material for true-to-life skin touch, feel and puncture
  - 2) Real clinical ultrasound images with clear anatomical structures like femur, joint cavity, etc.
  - 3) Compatible with various real ultrasound machines
- Key Features:
  - 1) Ultrasound-guided knee arthrocentesis practice
  - 2) Resistance & “pop” felt through the needles
  - 3) Floating patella examination
  - 4) Fluid available after successful puncture
  - 5) Easy and convenient fluid refill

### Specifications

Packed weight(kg) & dimensions(cm)		6.8kg		41.5l		32.5w		25h
------------------------------------	--	-------	--	-------	--	-------	--	-----

### Components

Knee Arthrocentesis Ultrasound Training Model		1
Water inlet connector		1
50ml syringe		1
Operation manual		1



# Screen-based Training



## LungsReady Breathing Simulator



Product No.: TYE6060



### Outline

The LungsReady Breathing Simulator creates an algorithm model based on the human body physiological and pathological characteristics of respiratory mechanics, and can simulate normal and different disease state of the human respiratory system by adjusting the mechanical parameters. It can be used with real ventilators and anesthesia machines to trigger and respond as a real patient does, make it an ideal choice for ventilation management training in anesthesia, critical care, emergency medicine, respiratory care etc. It also finds wide application in respiratory disease research and real ventilator detection and calibration.

### Intended Use

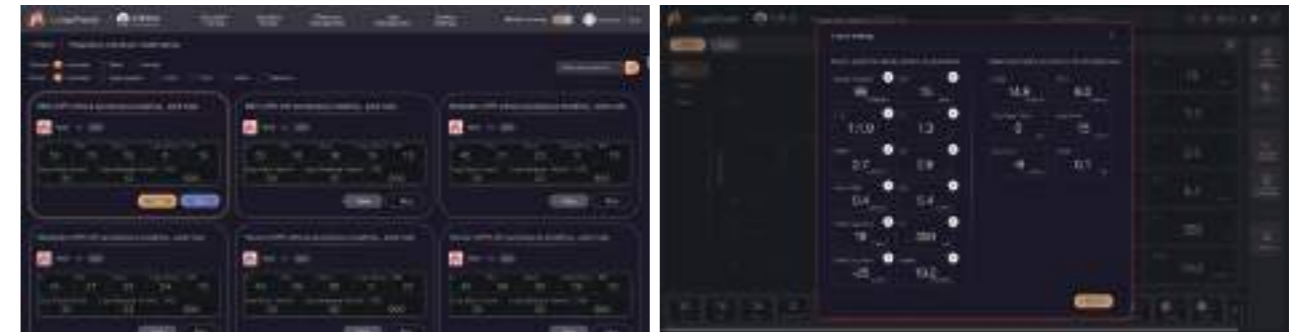
- Basic to advanced mechanical ventilation
- Simulate virtually any patient with respiratory conditions
- Respiratory disease research
- Development and testing for ventilators and other respiratory therapy devices

### Features

- LungsReady workstation supports height adjustment from 0 to 40cm.
- 3L air storage capacity. By changing parameters, LungsReady is capable of simulating respiratory disease from the full range of patients – neonatal to adult, male to female with different weights.
- LungsReady automatically detects parameter adjustments and responds and reacts accordingly.
- LungsReady uses high-precision bearings and ball screws to perform linear motion. Besides, a high-sensitivity encoder is applied for detection, which can precisely control the linear movement distance, thus accurately controlling the breathing air volume and achieving high-speed, smooth and noise-free operation.
- LungsReady can detect the flow rate, pressure, tidal volume of the ventilator and anesthesia machine and generate corresponding waveforms (F-T, Paw-T, Pmus-T, Palv-T, V-T) and ring diagrams (F-V, Paw-V, Paw-F).
  - When LungsReady simulates a patient without spontaneous breathing, controlled ventilation can be done by a ventilator. LungsReady can perform the corresponding breathing movement according to the mode and parameter settings of the mechanical ventilation.
  - When LungsReady simulates a patient who has spontaneous breathing, the spontaneous breathing can trigger the mechanical ventilation. If the spontaneous breathing is strong, patient "fighting the ventilator" waveform will be generated.



- The system comes with 15 real clinical cases and 50 basic respiratory mechanics models of healthy people and COPD, ARDS as well as other types of patients. Basic respiratory mechanics models can be expanded infinitely according to the needs of teachers.
- More than 20 common parameters such as compliance, airway resistance, respiratory muscle pressure, respiratory time ratio, respiratory frequency, functional residual capacity can be adjusted to affect the change of system breathing work. In addition to linear compliance, nonlinear compliance can also be adjusted.
- The changing trend of the patient's condition can be simulated through the trend breathing settings, such as simulating the gradual weakening of the respiratory muscle work after gas anesthesia; simulating the fluctuation of patient's breathing movement through random breathing to add more realism; simulating unstable breathing with diseases such as asthma.
- Quick buttons for common human symptoms and diseases such as coughing, sighing and suffocation can simulate the impact of coughing on ventilation, sigh-like breathing and waveform changes when suffocation occurs.



- LungsReady can monitor the real-time changes of 18 parameters such as respiratory rate, I:E ratio, and peak airway pressure with respiratory movement, and quickly set up the displayed monitoring parameters.
- LungsReady comes with built-in dynamic respiratory mechanics models, which can dynamically change with the performance of inhalation and exhalation. The range of tidal volumes can be set according to weight. There is corresponding indication for normal, insufficient, or excessive tidal volumes.
- The system supports operation review. Users can view operation log details, important parameter trends, and monitoring waveforms. Accounts can be created in the system and each user can see their own operation review, be it teaching or training.
- Running process can be stopped at any time and the waveforms can be frozen for comparative analysis.
- Instructors can adjust monitoring parameters, including heart rate and other values as well as dozens of common ECG waveforms.
- Learners can check the simulation monitoring interface and view the ECG waveforms of different leads on the learner's tablet display.
- The system can generate a 12-lead ECG checklist for students to view.
- Instructors can edit no less than 50 kinds of laboratory tests such as blood gas analysis, chest X-ray, chest CT, lung functions, etc., and send them to learners for them to view through the learner's tablet display.

### Components

LungsReady	1	Power cable for LungsReady	1
Cart	1	USB cable	1
All in one PC	1	Tube	2
Router	1	Screwdriver	1
Mouse and keyboard	1	Screw	4
Power cable for all in one PC	1	User manual	1

## Virtual Ventilator Training System **NEW**

Product No.: TYE6039

### Outline

The system is designed based on the real ventilator operation interface and functions, compatible with non-invasive ventilation mode and invasive ventilation mode, which different ventilation mode shows different parameter settings and waveform changes. It also offers the vital signs monitor, convenient for displaying the patient's condition at any time, creating a safer and more reliable training scenario for users.



### Skills Gained

- Non-invasive ventilation
- Invasive ventilation
- Intubation
- Knowing of cases including COPD, ARDS, CVD, nerve diseases etc.
- Intervention treatment

### Features

- About the product:
  - 1) 65-inch multi-point smart touch screen & 4K resolution (3840×2160), supporting high-definition display
  - 2) The height of the screen can be automatically raised and lowered with one button with adjustable height range of 674mm-1000mm. The screen also can be rotated within 0-90° angle
  - 3) The system is preset with typical cases from multiple departments, including respiratory system (COPD, ARDS), cardiovascular system, nervous system, etc.
  - 4) The system is modeled according to the real human pathophysiological data, so clinical sign changes can be showed by adjusting the parameter of virtual ventilator

- 5) Each case can view the patient's condition and initial physiological parameters
  - 6) During the operation of the case, the treatment measures in the intervention list can be used to cure the virtual patient
  - 7) The system automatically records user operations and case parameter alarms ranges and generates logs, which can be exported
  - 8) Three different system skins can be chosen
- It includes two modules: virtual ventilator and vital signs monitor

#### Virtual ventilator:

- A) The interface appearance and operating habits are very close to the real ventilator, including commonly used functions such as mode selection, parameter adjustment and alarm setting
- B) The sound effect of ventilation can be simulated, offering a more real simulation scenario
- C) The ventilation mode can be selected. For non-invasive mask, you can choose S/T, CPAP, etc. For intubation, you can choose more than 10 kinds of ventilation, such as P-A/C, V-A/C, PSV, V-SIMV, etc. The ventilation setting parameter differs in each ventilation mode, including PIP, I:E, PEEP, etc., which can be adjusted at any time
- D) It can monitor and display common mechanical ventilation parameters: three waveforms display of P-T, F-T, V-T and two ring chart diagrams of P-V, F-V, which will change in real time as the ventilation mode and parameter settings
- E) It can monitor the trend graph of minute ventilation, peak airway pressure, tidal volume, etc.
- F) The alarm range can be set. There will be flashes and beeping sound when the value exceeds the range



**Vital signs monitor:**

- A) It can monitor ECG, respiratory wave and other waveforms as well as parameters such as HR and SpO2. NIBP monitoring can be automatically started at any time or regularly, and the monitoring data can be dynamically changed with the disease
- B) The alarm range can be set. There will be flashes and beeping sound when the value exceeds the range
- C) It can display auxiliary inspection results like simulation examination report and laboratory test report

**Specifications**

Packed weight(kg) & dimensions(cm)	kg	175l	114w	104h
------------------------------------	----	------	------	------

**Components**

Virtual Ventilator Training System	1
Mobile cart	1
Host computer	1
Softdog	1
Operation Manual	1

**LaparoCart Simulator**

**Product No.:** TYE6061.1 (Instructor Unit)  
TYE6061.2 (Learner Unit)

**Outline**

This is a laparoscopic trainer for the fundamental skills and techniques of laparoscopic surgery, helping to improve the trainee's skills like eye-hand coordination and cooperation of both hands, and giving them the opportunity to develop proficiency in instruments use and techniques such as transferring, threading, tension, cutting, suturing and knot tying. It comes with a fully integrated touch-screen computer, box trainer, set of 8 training modules and 4 laparoscopic instruments, offering an ideal choice for individual or team training.

**Skills Gained**

- Basic laparoscopic skills like transferring, threading, tension, cutting, suturing and knot tying
- Laparoscopic procedures training
- Eye-hand coordination
- Cooperation of both hands
- Grasping, dropping and improving a sense of depth
- Precision of movement
- Ambidexterity development – grasping, transferring and rotating the ring by coordinating both hands

**Features****Hardware**

- The box trainer simulates a real abdomen with the abdominal landmarks. Its design is easy to place and replace the modules.
- 12 precisely positioned instrument access points
- 4 instruments: grasper, needle holder, scissors and dissector, with hand feel close to real-world instrumentation
- Instruments storage area under the box trainer, allowing up to 8 instruments to place
- The following training parameters are tracked with high precision sensors:
  - Palv-T, V-T) and ring diagrams (F-V, Paw-V, Paw-F).
    1. Covered distance
    2. Speed
    3. Acceleration
    4. Trembling of hand
    5. Number of grip clamping
    6. Speed of grip clamping
    7. Whether the instrument movement in sight
- Full HD mobile camera with 1920\*1080 definition & simulated 0°, 30° and 45° optic, camera allowing to be rotated 360°, stretched and locked
- The video adopts advanced network transmission technology, with zero delay tracking, friendly to hand-eye operation coordination training.

- 8 Training modules:
  1. Circles Transfer
  2. Threading
  3. Tension
  4. Dexterity (moving balls)
  5. Peg Transfer
  6. Cutting
  7. Suturing & Knot Tying
  8. Anastomosis
- 3 fixed positions in the box trainer & easy placement of training modules with magnetic connections
- Lockable caster wheels for easy transport
- Ergonomic box with height adjustment (adjustable range between 760-1060mm)
- Rotatable box trainer to simulate different patient position
- Touch screen computer (23 inches) with already installed software.

#### Software

- Multi-user network for training in groups
- Three login modes: Instructor login (Instructor Unit only), trainee login and visitor login
- Training mode and free mode available:
  - Training mode:**
    1. Instrument can be identified.
    2. Training parameters are tracked in real time. There will be alarms when the parameters such as covered distance, trembling of hand, number of grip clamping, movement speed, acceleration and operation frequency are out of range.
    3. Real-time parameter change waveform
    4. Automated training data recording, evaluation and analysis
    5. Video can be reviewed in different speed (quick & slow motion).
    6. Annotations and marks can be added or viewed on the time axis and the instructor can add their feedback in comments.
    7. Training records can be searched by time and keywords, and can be sorted by training time, training name, and evaluation score.
  - Free mode:**
    8. Practice freely within the set time without any prompt
    9. Simulate realistic laparoscopic field of view and operating environment, helpful for quickly developing surgical skills
- Live video stream: The instructor's operation can be displayed on the Learner's unit in real time.
- Multi-screen synchronized monitoring (Instructor Unit only)
- Learning curve to show trainees left-hand, right-hand and overall performance. Discrete graph to display the scores distribution and broken-line graph to display the trend of scores

#### The Instructor Unit gives additional benefits

- Admin access to all user accounts
- Option to create new training courses, and set training contents, training duration, instruments used, difficulty level, scoring standards and weights
- Possibility to hold a live transmission from the camera, for example from the instructor's device to trainees' devices
- Monitoring of learner stations (screens) at the same time. Each monitoring window can be added comments and marks.
- Evaluation and video playback can be exported all or parts. Training records can be deleted manually
- Training courses management including viewing, sorting, searching, editing and deleting
- Training contents can be edited in text, pictures, videos, etc.
- Key expert technique can be collected as evaluation criterion, supporting minor adjustment
- Option to add and edit custom modules

#### Specifications

Packed weight(kg) & dimensions(cm)	kg	l	w	h
------------------------------------	----	---	---	---

#### Components

LaparoCart Simulator (Instructor Unit)	1
Instruments	4
Training modules	8
Extension board	1
Wireless router	1
Operation manual	1



## Clinical Decision Making System

Product No.: TYE8009.0

### Outline

The Clinical Decision Making system is a full-featured software offering interactive patient cases and powerful scoring tools for teaching and evaluating learners' clinical reasoning skills. With multiple case training modes, it focuses on the overall thinking process, emphasizes the intensive training of students for their basic skills in hypothesis development, diagnosis and treatment and also examines students' ability to deal with patients in different situations. The system, containing settings of different difficulties with all cases collected from real patient data, is ideal for use to train tomorrow's clinicians.



### Skills Gained

- Clinician/patient communication skills
- Physical exams and interpret findings
- Order pertinent lab tests, review findings, interpret imaging studies
- Clinical decision-making skills
- Common and rare cases familiarity

### Features

- System Components
  - 1) The system consists of three parts: instructor unit software, learner unit software and user management software.
  - 2) Instructor unit software has a variety of management functions, including case editing, training and assessment setup, result statistics and analysis, personnel assessment management etc.
  - 3) Learner unit software supports clinical case exercise and online assessment. Cases are categorized into general thinking cases, dedicated thinking cases and doctor-patient communication cases.
  - 4) User management software enables users to do organization management, user batch management and user access control.

- Instructor Unit
  - 1) Total number of cases: The system comes with 700 cases, covering more than 15 medical departments. Among them are holistic thinking cases, medical history taking cases, physical examination cases, auxiliary examination cases, treatment cases, clinician/patient communication cases and other types.
  - 2) Case editing: Users can edit preset cases either by modification or re-creation. Editable content includes general information, patient information, medical history taking, physical examination, auxiliary examination, diagnostic analysis, treatment content and results, evaluation system score weights and comment settings.
  - 3) Score settings: Scoring criteria can be set individually for cases, including score settings for different levels.
  - 4) Case access settings: Different cases can be opened to different teams. Training cases and examination cases are independent and instructors can set them up easily and freely.
  - 5) Examination: Teachers can set up different online exams for different time periods.
  - 6) Score enquiry: The system automatically saves each exam and exercise details, allowing teachers to view students' scores in each module and compare their performance with standard answers. One-click export of results to Excel function is available, which is convenient for instructors to summarize learners' scores.
- Learner Unit
  - 1) History taking: The system allows for judging students' medical history taking ability from multiple aspects such as the content of students' inquiry, inquiry logic, inquiry methods, etc. and thus finally forming a scientific evaluation.
  - 2) Physical examination: Hundreds of operations such as visual inspection, percussion, auscultation and various specialized physical examination can be carried out. The findings are presented in texts, pictures, sounds and animations. The heart has 5 auscultation areas; the chest and back have 8 lung auscultation areas, all with preset typical cardiopulmonary auscultation sounds.
  - 3) Auxiliary examination: Laboratory, imaging and other auxiliary tests can be done, including general blood tests, blood biochemistry, X-ray, ECG, ultrasound, CT, MRI and other common tests. For each case, students can apply from more than 250 examination items
  - 4) Imaging: Images in BMP, JPG, PNG, DICOM and other formats can be loaded for imaging examination. Teachers can post-progress DICOM files according to actual teaching needs. The post-processing function includes: 1) layout. Users can choose 1X1, 1X2, 2X1, 2X2, 2X3, 3X3, etc.; 2) Window width and level adjustments; 3) Zoom in and out; 4) Image rotation; 5) Left turn 90 degrees; 6) Right turn 90 degrees; 7) Left and right mirror flip; 8) Up and down mirror flip; 9) Negative film; 10) Distance measurement; 11) Ellipse measurement; 12) Angle measurement; 13) Rectangle measurement; 14) Exploration, etc.
  - 5) Diagnosis: Develop a working hypothesis list and follow the evidence to support learner's final diagnosis. The system also incorporate the latest ICD codes.
  - 6) Treatment: There are a variety of treatment options available, such as temporary treatment, outpatient treatment, inpatient treatment, and referral treatment.
- User Management
  - 1) Organizational settings: Users can set up organizations over 4 levels and self-define their names to facilitate multi-level management. Teachers and students can belong to multiple organizations at the same time, and different teachers can manage multiple organizations.
  - 2) User management: User information such as administrators, teachers, and students can be edited in batches. According to actual needs, various roles such as counselor, teaching secretary, and clinical teacher can be added. Each senior user independently manages the information of their lower-level personnel.
  - 3) User access control: For easy & convenient management, different accesses can be set up for each role.
  - 4) Batch processing: Users can import, export, delete, activate, and set passwords for personnel information in batches to save time and energy.

## Image Diagnostic Thinking Training System

Product No.: TYE8093

### Outline

The system, including three types of imaging cases: X-ray, CT and MRI, is designed both for imaging diagnosis training and image diagnostic thinking training. Ordinary cases focus on imaging diagnosis while thinking cases emphasize the thinking process of students' image analysis. The system has 5 case difficulty levels to meet different learners' need and all the cases come with DICOM files, all collected from real patient data.



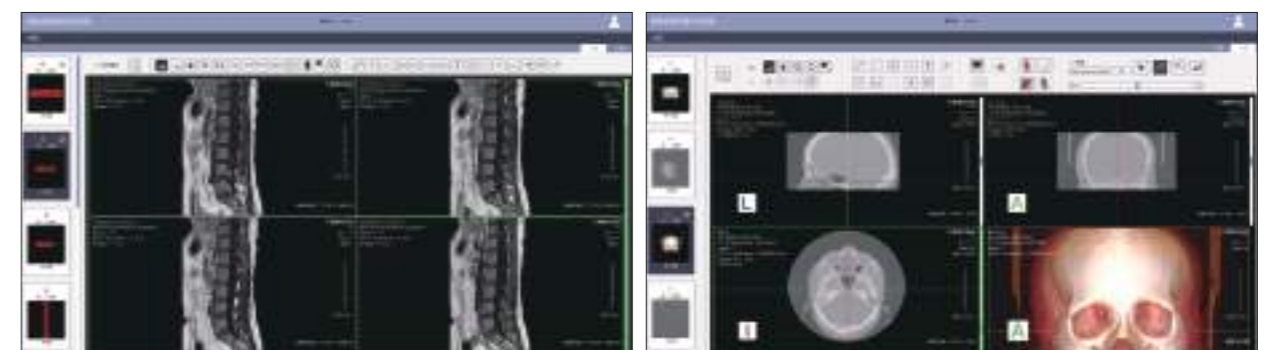
### Skills Gained

- X-ray, CT and MRI image familiarity
- How to use image workstations
- Imaging diagnosis
- Image diagnostic thinking
- Image diagnostic report writing

### Features

- System Components
  - 1) The system consists of four parts: dedicated server, instructor unit software, learner unit software and user management software.
  - 2) 1 server, hardware requirements: CPU: Xeon E3 and above; memory: 16G and above; hard disk: 1T and above; network card: 800M.
  - 3) Instructor unit software has a variety of management functions, including case management, case editing, classroom teaching and assessment management etc.
  - 4) Learner unit software supports imaging diagnosis training and imaging theory knowledge assessment.
  - 5) User management software enables users to do organization management, user batch management and user access control.

- 6) System data is safe and reliable, and can be used directly without accessing the external network. Security of learner assessment data and contact information is guaranteed. There is no limit to the number of accounts used by students and teachers. Users can add student and teacher accounts by themselves. The cases, personnel contact information and training/assessment data used by the user are stored on the user's server. The manufacturer prohibits copying, transfer, store and release the above-mentioned user data to any third party.
- Instructor Unit
    - 1) Case management function: In order to facilitate search and management, cases can be classified according to body parts (at least divided into more than 5 parts). They can also be used as ordinary cases and thinking cases (including positive and negative imaging signs, image diagnostic thinking processes training like basic pathological analysis and combined clinical analysis, etc.) according to different training purposes and contents. There are 3 types of cases in the system, i.e. X-ray, CT and MRI. Cases of each type are over 400, among which no less than 150 are thinking cases.
    - 2) Case editing function: Teachers can add and edit cases, and can set certain cases as assessment ones. Case difficulty is divided into 5 levels. DICOM files can be added when editing a case, and digital file processing can be performed on the built-in imaging workstation.
    - 3) Imaging workstation: The system comes with an imaging workstation and all cases can be loaded with DICOM files. Teachers can post-progress them according to actual teaching needs. The post-processing function meets the basic requirements of a common clinical imaging workstation, including: 1) layout. Users can choose 1X1, 1X2, 2X1, 2X2, 2X3, 3X3, etc.; 2) Window width and level adjustments; 3) Zoom in and out; 4) Zoom in on the area of interest; 5) Left turn 90 degrees; 6) Right turn 90 degrees; 7) Left and right mirror flip; 8) Up and down mirror flip; 9) Negative film; 10) Distance measurement; 11) Two-way ruler; 12) Angle measurement; 13) Polygon measurement; 14) Adding notes & comments; 15) Labeling major signs; 16) Labeling secondary signs, etc.
    - 4) Classroom teaching: Without using any third-party software, the content of the instructor unit screen can be synchronously displayed on learner unit screens. The system has electronic textbooks on X-ray, CT and MRI diagnostic thinking training for teachers to use. Real-time screen labeling is also available for users to highlight key and difficult content in the textbooks.
    - 5) Teachers can use thinking cases in the system to demonstrate and explain to students on the same screen. The "Favorites" function will allow users to add cases to the "Favorites", making it convenient for instructors to directly select wanted ones during lectures. After opening a thinking case, teachers can add a preliminary print diagnosis and select the corresponding thinking process to facilitate teaching.
    - 6) Assessment: Assessment includes "theoretical knowledge assessment" and "diagnostic imaging assessment". Diagnostic imaging assessment can select multiple cases to be assessed at the same time. During the assessment, teachers can track status of each participant (in assessment, assessment completed, participant offline), and can monitor each one's operation in real time without the help of a third-party software. Teachers can take the initiative to end the exam, or the system can automatically end the exam when time is up. Scores will be automatically generated when the exam ends.



- 7) Test question management: Test questions are divided according to system chapters, and test question types include glossary explanation, gapfill questions, choice questions, etc. The system provides at least 1000 related test questions for X-ray, CT and MRI each.
  - 8) Score management: Teachers can view students' test scores. Subjective questions in theoretical knowledge allows for manual grading with customized scores.
  - 9) Resource management: The system comes with teaching material resources, which are organized by chapters. Teachers can add to, modify and delete the system chapters. Teaching files in Word, PDF and PPT formats can be imported or deleted.
  - 10) Template management: The system comes with report templates, and teachers can also add and edit report templates by themselves. Report templates make it convenient for teachers to write case reports and easy for students to take assessment and do practices.
- Learner Unit
    - 1) Thinking training: Students can view the imaging application form and fill in the diagnostic thinking & diagnostic reports. When filling in the report, they can imitate the report template in the clinical report system, which makes it convenient for students to learn and standardize related content.
    - 2) When students complete a thinking case, they shall fill in the content of positive or negative imaging signs, image diagnostic thinking processes like basic pathological analysis and combined clinical analysis, and finally give differential diagnosis and conclusions.
    - 3) When viewing case images, students can post-process DICOM files on the imaging workstation to observe positive and negative imaging signs in greater detail. After finishing a case exercise, student's test results, the correct diagnosis report and the comparison of the thinking processes will show. Students can also participate in image thinking case assessment set up by teachers.
    - 4) Exercise and assessment: Students can automatically form a test for practice, or learners can use the teacher's pre-compiled test paper. The correct answer can be viewed at any time during the practice. Learners can take exams launched by instructors.
    - 5) Results review: Students can view their own assessment scores, including image thinking assessment results and exercise assessment results. The image thinking assessment results can show the thinking details, including the student operation results and standard answers; the exercise assessment results have the details of the examination, including the student's answers and correct answers, which is convenient for students to compare and contrast.
  - User Management
    - 1) Organizational settings: Users can set up organizations over 4 levels and self-define their names to facilitate multi-level management. Teachers and students can belong to multiple organizations at the same time, and different teachers can manage multiple organizations.
    - 2) User management: User information such as administrators, teachers, and students can be edited in batches. According to actual needs, various roles such as counselor, teaching secretary, and clinical teacher can be added. Each senior user independently manages the information of their lower-level personnel.
    - 3) User access control: For easy & convenient management, different accesses can be set up for each role.
    - 4) Batch processing: Users can import, export, delete, activate, and set passwords for personnel information in batches to save time and energy.



**Tellyes Scientific Inc.**

Address: 3rd Floor, West 6th Building, 18 West Hai Tai Road, Tianjin, China  
Postcode: 300384 Email: [info@tellyes.com](mailto:info@tellyes.com) Tel: +86-22-83711066 EXT 8908 Fax: +86-22-83711065

Website: <http://www.tellyes.com>

V 2023-03-01