Saving lives under fire

The Tactical Casualty Care Simulator (TCCS) is an ruggedized simulator for comprehensive TCCC training with wounding patterns that simulate traumatic injuries from an explosion and gunshot wounds. Simple to operate, the TCCS is designed for training in prehospital patient care, wound management, airway stabilization and hemorrhage control.

The TCCS features arterial and venous hemorrhage, humeral & sternal intraosseous, two-way communication and midclavicular needle decompression. The TCCS is highly ruggedized, water-resistant, fully mobile and ideally suited for challenging, real-world training scenarios in any indoor or outdoor environment.
Tactical Casualty Care Simulator

Comprehensive Tactical Combat Casualty Care Preparedness

Airways
- Assessment of oral and nasal areas
- Insert nasal & oral pharyngeal airways
- Manage difficult airway
- Perform advanced foreign body removal from airway
- Perform suction of the airway – nasal and oropharyngeal
- Perform intubation – King LT
- Perform intubation – I-Gel
- Crycothyrotomy
Breathing
Remote-controlled respiratory rate
Bilateral and independent chest excursion
Tension pneumothorax corrected by midclavicular needle insertion
Support to external ventilation

Circulation
Remote-controlled heart rate
Remote-controlled pulses – carotid and non-injured limbs
Humeral and sternal intraosseous

Hemorrhage Management
Remote-controlled pulsatile bleeding and arterial hemorrhage
Bleeding control via pressure, elevation, and pressure points
CAT, junctional and aortic tourniquets
Apply tourniquets to control bleeding
Apply junctional tourniquets to control massive hemorrhage
Assess and treat upper and lower limb amputations
Wound packing
Multiple and independent bleeding sites
Through and through wounds
3 liter blood reservoir

Manikin and Software
Full-body, wireless and tetherless simulator
Ruggedized and water-resistant for indoor and outdoor environments
Realistic and lifelike 185lb weight
Fully-articulated limbs
Easy-to-use instructor tablet and software (iOS, Android and Mac/PC)
Two-way, headset communication system
Simulation logs
System “health” status with complete and real-time self-diagnostics
TCCS Wound Configuration 1

Full-sized, ruggedized simulator for training gunshot wound management.

**Interventions**

- Extremity Tourniquet
- Wound Packing
- Bandaging
- Nasopharyngeal Airway
- Oropharyngeal Airway
- Cricothyroidotomy
- Chest Seal
- Needle Decompression
- Humeral and Sternal Intraosseous
  Item 1021380

TCCS Wound Configuration 3

Full-sized, ruggedized simulator for training traumatic amputation injuries.

**Interventions**

- Extremity Tourniquet
- Junctional Tourniquet
- Bandaging
- Nasopharyngeal Airway
- Oropharyngeal Airway
- Cricothyroidotomy
- Chest Seal
- Needle Decompression
- Humeral and Sternal Intraosseous
  Item 1021382
TCCS Wound Configuration 2

Full-sized, ruggedized simulator for training major vascular injury.

Interventions

Extremity Tourniquet  
Junctional Tourniquet  
Wound Packing  
Bandaging  
Nasopharyngeal Airway  
Oropharyngeal Airway  
Cricothyroidotomy  
Chest Seal  
Needle Decompression  

Humeral and Sternal  
Intraosseous  
Fracture Splinting  
Item 1021381

Shrapnel injury to neck causing major vascular injury

Open tibular/fibular fracture

Gunshot wound to left thigh

Oblique through-and-through gunshot wound to right groin above tourniquet line

Traumatic amputation – above left elbow

Traumatic amputation – above left knee

Traumatic amputation – upper right thigh above tourniquet line

Burn, blast and fragment wounds on the left side of the body
TCCS Wound Configuration 4
Full-sized, ruggedized simulator for multiple traumatic gunshot wound and amputation injuries.

Interventions
Extremity Tourniquet
Junctional Tourniquet
Wound Packing
Bandaging
Nasopharyngeal Airway
Oropharyngeal Airway
Cricothyroidotomy
Chest Seal
Needle Decompression
Humeral and Sternal
Intraosseous
Item 1021383

TCCS Wound Configuration 5
Full-sized, ruggedized simulator for the treatment of abdominal wounds with evisceration.

Interventions
Extremity Tourniquet
Wound Packing
Bandaging
Abdominal Evisceration
Nasopharyngeal Airway
Oropharyngeal Airway
Cricothyroidotomy
Humeral and Sternal
Intraosseous
Item 1021384
Technical Specifications

Full-body wireless male manikin
Water resistant
76"H x 28"W x 12"D (192cm x 70 x 30)
185lbs (82Kg)
Fully-articulated limbs

Internal batteries - Dual pack
18V 12A hour lithium-ion, rechargeable
Run time: 4-5 hours
Electrical: Input: 110v

Two-Way Communication
Line of sight two-way communications headset
Range up to 100 yards

Instructor Control Interface Tablet
Instructor Control Interface Software and License
Rugged Carry Case

30 Gal concentrated antimicrobial, antifungal, antifreeze simulated blood

Optional Items
Part Number 510024: Simulated Blood
Part Number 500087: Additional Battery Pack
Custom wound configurations
Contact your Operative Experience representative for more information about all our training products.