



Saving lives under fire

The Tactical Casualty Care Simulator (TCCS) is a 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.

Lifelike tissue
and high anatomic
fidelity

Remotely
activated for realistic
and challenging
in-the-field scenarios

Simulates injuries
from an explosion
and gunshot
wounds

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
- Cryothyrotomy





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



Gunshot wound to the face causing hemic bleeding



Gunshot wound to the left upper arm



Fragment wounds to the left chest



TCCS Wound Configuration 3

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

Interventions

Extremity Tourniquet	Oropharyngeal Airway	Humeral and Sternal Intraosseous
Junctional Tourniquet	Cricothyroidotomy	Item 1021382
Bandaging	Chest Seal	
Nasopharyngeal Airway	Needle Decompression	

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



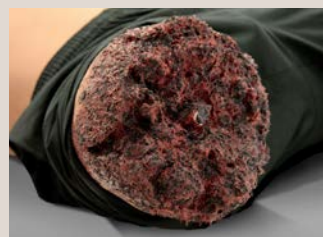
Oblique through-and-through gunshot wound to right groin above tourniquet line



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



Traumatic amputation – above left elbow



Traumatic amputation – above left knee



Sucking chest wound. Burns to left side of face. Fragmentation wounds to left side of body.



TCCS Wound Configuration 5

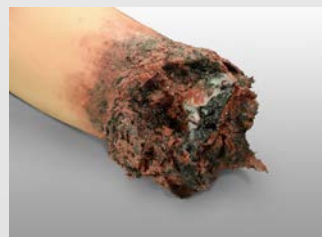
Full-sized, ruggedized simulator for the treatment of abdominal wounds with evisceration.

Interventions

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



Open abdominal wound with evisceration



Traumatic amputation above right wrist



Deep avulsion of the posterior proximal right thigh



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.**

