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Contact your Operative Experience representative for more information about all our training products.

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.

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



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

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

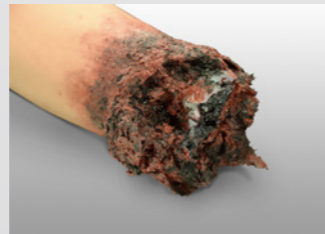
Full-sized, ruggedized simulator for the treatment of abdominal wounds with evisceration.

Interventions

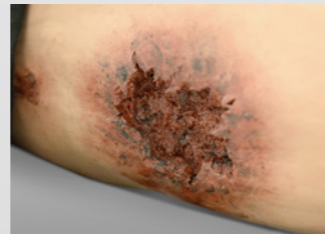
- Extremity Tourniquet
- Wound Packing
- Bandaging
- Abdominal Evisceration
- Nasopharyngeal Airway
- Oropharyngeal Airway
- Cricothyroidotomy
- Humeral and Sternal
- Intraosseous
- Item 1021384



Open abdominal wound with evisceration



Traumatic amputation above right wrist



Deep avulsion of the posterior proximal right thigh



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

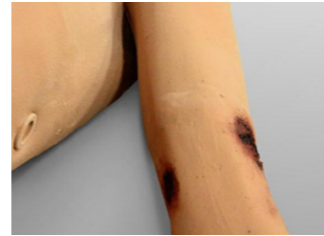
Full-sized, ruggedized simulator for training gunshot wound management.

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 2

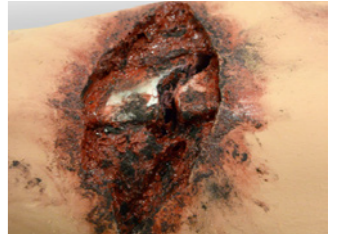
Full-sized, ruggedized simulator for training major vascular injury.

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



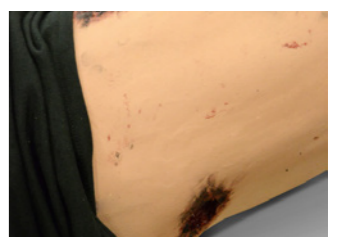
Shrapnel injury to neck causing major vascular injury



Open tibular/fibular fracture



Gunshot wound to left thigh



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



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



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

