Improving patient care on the battlefield

The world’s only biofidelic emulation technology for super-realistic point of injury casualty care

The Tactical Casualty Care Simulator (TCCS) includes a set of 5 full-sized, ruggedized simulators for comprehensive Tactical Combat Casualty Care preparation with wounding patterns that simulate injuries from an IED followed by an ambush. Simple to operate, they are designed for training in pre-hospital patient care, wound management and hemorrhage control.

TCCS simulators are fully-mobile and remotely operable allowing for the ability to create realistic and challenging training scenarios in any environment.

TCCS simulators are highly ruggedized, water-resistant and can be handled and treated as you would a combat casualty, even in difficult and challenging conditions.
Tactical Casualty Care Simulator
A set of 5 full-sized, remotely-activated simulators for comprehensive TCCC preparation, featuring wound distribution consistent with an IED detonation followed by an ambush.

1. **TCCS Simulator 1**
   - Features gunshot wound to face causing hemic drowning, gunshot wound to left upper arm, and fragment wounds to the left chest.

2. **TCCS Simulator 2**
   - Features open abdominal wound with evisceration, traumatic amputation above right wrist, and deep avulsion of the posterior proximal right thigh. Additional interventions include bowel evisceration treatment.

3. **TCCS Simulator 3**
   - Features triple amputee. Traumatic amputations above left elbow, above left knee, and at upper right thigh above tourniquet line. Has burn, blast and fragment wounds on left side of body. Additional interventions include junctional tourniquet.

4. **TCCS Simulator 4**
   - Features shrapnel injury to neck causing major vascular injury. One oblique through-and-through gunshot wound to right groin above tourniquet line, a gunshot wound to left thigh, and an open tibular/fibular fracture. Additional interventions include junctional tourniquet, fracture splinting, and needle decompression.

5. **TCCS Simulator 5**
   - Features traumatic amputation above left elbow, traumatic amputation above left knee, a sucking chest wound (i.e. open pneumothorax), burns to left side of face, and fragmentation wounds to left side of body. Additional interventions include junctional tourniquet and needle decompression.

Each Tactical Casualty Care simulator comes standard with:
  + Remote-controlled breathing with pulsating bleeding
  + Emergency airway
  + Humeral and sternal intraosseous
  + Oropharyngeal and nasopharyngeal airway
  + Wound packing
  + Tourniquet application