



# Advancing patient care on the battlefield

## Tactical Casualty Care Simulator Pro

The Tactical Casualty Care Simulator Pro (TCCS Pro) is an ultra-realistic, first-in-the-world, fully modular tactical trauma care simulator with **on-the-fly interchangeable wounds and trauma configurations** for comprehensive and customizable TCCC and medical provider level care training.

TCCS Pro is the latest, next-generation simulator from Operative Experience, featuring lifelike skin and tissue, advanced airway and hemorrhage control management, fully-integrated patient monitoring and physiology and is tetherless, water-resistant and highly ruggedized with over 10 hours of continuous battery-powered performance in real-world indoor and outdoor learning environments.



# TCCS Pro

## One Simulator. Limitless Scenarios.

Take your trauma care training to the next level with TCCS Pro's revolutionary on-the-fly interchangeable wounds and trauma configurations.



## Plug-and-Play Modular Trauma Configurations

All four limbs have fully interchangeable trauma wounds with software programmed to automatically adjust to specific limb features.



Healthy body



Closed Fractures



Open Fractures



Amputations

# I Realistic On-the-Fly Moulage Wounds



Facial Injury



Chest Wounds



Inguinal Wounds



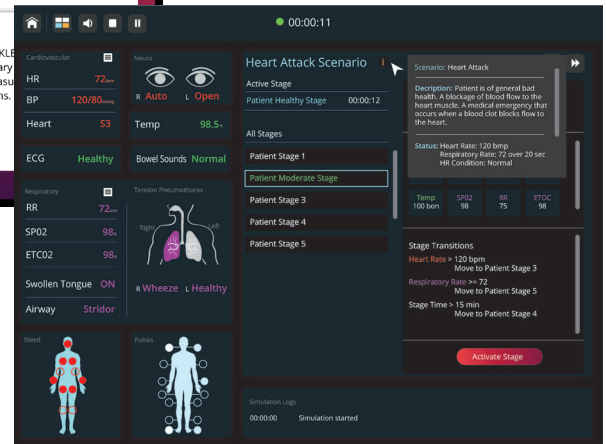
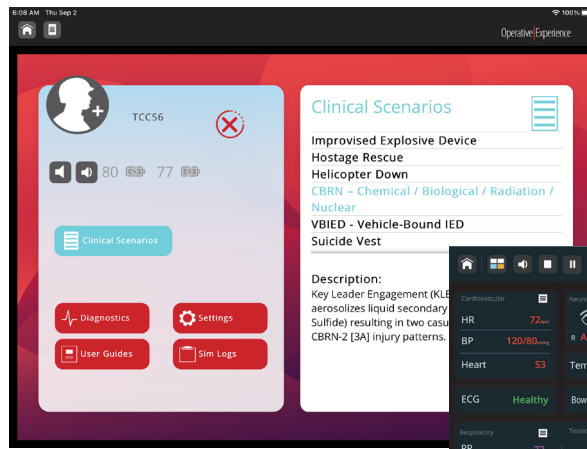
Evisceration



Severe Burns

## Easy-to-Use Software and Scenarios

- iOS/Android Instructor Tablet and Software
- Clinical Scenarios
- Simulation Logs
- Real-Time Self Diagnostics



## Fully-Integrated Patient Monitoring

- ECG Monitoring
- Patient Vital Signs
- Multiple Waveform Display
- Fully-Integrated with iSimulate REALTi 360
- Mimic Proprietary Defibrillators, AEDs and Monitors, including LifePak, Zoll and Philips



# Features and Specifications

## **Establish Perimeter**

Perform First Impression Assessment  
Perform Patient Extraction  
Perform Primary Assessment  
Triage Patients  
Perform Secondary Assessment (Head to Toe)

## **Hemorrhage Management**

Assess & Treat Arterial Hemorrhage  
Assess & Treat Venous Hemorrhage  
Assess/Treat Traumatic Amputation  
Control Bleeding by Direct Pressure/ Pressure Points/Elevation/Wound Packing/Pressure Bandage/Tourniquet/ Junctional Tourniquet  
Assess/Treat Entrance/Exit Penetrating Chest Wound  
Multiple and Independent Bleeding Sites  
Remote-Controlled Pulsatile Bleeding and Arterial Hemorrhage  
Penetrating Trauma Wounds  
3 Liter Blood Reservoir

## **Airway Management**

Difficult Airway with Tongue and Tracheal Swelling  
Head Tilt/Chin Lift & Jaw Thrust Maneuvers  
Assessment of Oral and Nasal Airways  
Perform Mouth-Mouth Respirations w/ or w/out Barrier Device  
Perform Suction of the Nasal and Oral Pharyngeal Airways  
Perform Foreign Body Removal from Oral Cavity  
Realistic Airway - Intubation Capable  
Supports Nasal/Oral Pharyngeal Airway Devices, Supraglottic Airway, Endotracheal & Nasal Intubation, and Blind Intubation

Perform Needle & Surgical Cricothyrotomy  
Placement in the Recovery Position

## **Circulation**

Pelvic Binder Placement  
Unilateral Blood Pressure Measurement  
Heart Rate/Pulse Remotely Controlled  
Multiple Heart Sounds  
Assess Pulses (Carotid, Brachial, Radial, Femoral, Popliteal, Dorsalis Pedis, Posterior Pedis)  
Sternal/Humeral Intraosseous Placement  
Chest Compressions  
Venipuncture/IV Catheter Placement/ Fluid & Blood Infusion

## **Neurological and Musculoskeletal**

Independent Bilateral Blinking Eyes  
Assess Pupil (Normal/Constricted/Dilated)  
Assess Bilateral Pupillary Response  
Apply Cervical Collar  
Assess and Treat Fractures  
Assess for Crepitus

## **Patient Monitoring**

Fully-integrated with iSimulate REALITI 360  
Cardiac Monitoring with 4 Lead ECG, Multiple Waveforms  
Pulses, Blood Pressure, O<sub>2</sub> Saturation  
End Tidal CO<sub>2</sub> with Reading & Waveform

## **Respiration and Breathing**

Assess and Treat for Tension Pneumothorax  
Perform Mid-Clavicular and Anterior Mid-Axillary Needle Thoracentesis  
Spontaneous Breathing  
Assess Respiratory Rate, Rhythm & Depth  
Assess Bilateral/Unilateral Chest Rise/Fall  
Supports BVM Ventilation w/Chest Rise & Fall  
Treat Penetrating Chest Wound (Entrance and Exit)  
Apply Chest Seal  
Bilateral and Unilateral Chest Tube Insertion  
Multiple Bilateral and Unilateral Lung Sounds

## **Urinary and Integumentary**

Urinary Catheterization on both Male and Female  
Straight and Indwelling Foley Catheters  
Assess/Treat Burns

## **Mannequin and Software**

Full-Body, Wireless and Tetherless Simulator  
Ruggedized and Water-Resistant for Indoor and Outdoor Environments  
Patient Decontamination Capable  
Realistic and Lifelike Weight (185 lbs)  
Fully-Articulated Limbs  
Hypothermia Prevention/Active Heating Blanket  
Easy-to-use Instructor Tablet and Software (iOS, Android and Mac/PC)  
Clinical Scenarios  
10+ Hours Battery Life  
Maintain Simulation Logs/Complete Self-Diagnosis  
Two-Way Communication

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

