TRAUMA F/X®

Improving Survivability

NOAN-HEMO
No Animatronics Hemostatic Trauma Trainer

The TraumaFX® NOAN-HEMO is a ruggedized, tetherless, remote-controlled human patient medical trainer that provides the most authentic simulation of traumatic lower blast injury. State of the art sensor technology provides real-time feedback that takes the guesswork out of trauma simulation. The NOAN-HEMO features a full left leg with a bleeding wound at the inguinal crease for hemostatic wound training, venous bleeding at the lower leg, and a traumatic amputation of the right leg requiring a tourniquet. Medics and First Responders also learn how to treat a boot top simple fracture of the tibia or fibula that has open, avulsed, and irregular wounds.

Rugged, Durable and Reliable

Each TraumaFX product is designed from the ground up for ruggedness and durability with careful consideration of materials and manufacturing processes to create products that last. They are water resistant and can be used in nearly any weather condition or environment, and can be transported in any vehicle or aircraft to ensure the most authentic training experience.

Remote Controlled with Real-time Sensor Data

All TraumaFX high-fidelity simulators are operated by a long-range RC controller which includes real-time telemetry to monitor medical interventions. Easy to use, menu-driven software takes only minutes to learn and sensor data is immediately displayed on the main control screen for quick reference. The display shows key vitals and provides instructors with instant data on the effectiveness of student interventions such as tourniquet application, wound hemostasis, airway intervention, needle decompression, and chest tube placement.

Mix-N-Match

TraumaFX upper and lower trainers can be combined in any configuration to increase training capabilities

Key Benefits of TraumaFX NOAN-HEMO

- Full left leg with a hemostatic wound at the inguinal crease that requires packing with gauze and the application of measurable pressure
- Advanced sensor technology provides trainers/learners with instantaneous feedback of applied pressure, time to occlude bleeding, and volume of blood loss for after action reporting (AAR)
- Arterial bleeding from the amputation requiring correct tourniquet placement
- Responds to direct femoral artery pressure for immediate bleeding control
- Specially formulated synthetic tissue with unparalleled realism and durability providing visual and tactile stimuli

- Instantaneous feedback provided through proprietary remote control (RC) transmitter with extended operating range
- Can be used with human actors
- Crepitus to cue for crushed pelvis injury
- Scrotal avulsion
- Water resistant
- Easy to clean and maintain after use
- Optional non-injured left leg, burn leg, and interchangeable priapism

Remote Control and Sensor Features

The RC remote control offers an LCD display screen for ease of operations. It provides full system operation from up to 200 yards away and includes real-time telemetry for sensor feedback and vitals data.

Sensor and vitals data for the NOAN-HEMO include:

- Inguinal crease wound (bleeding status, pressure applied, and time)
- Amputation bleeding/occluded (proper tourniquet application)
- Blood loss (volume)
- Heart rate
- Blood pressure
- Patient alive/expired

TraumaFX Multiple Amputation Trauma Trainer (MATT)® Awards

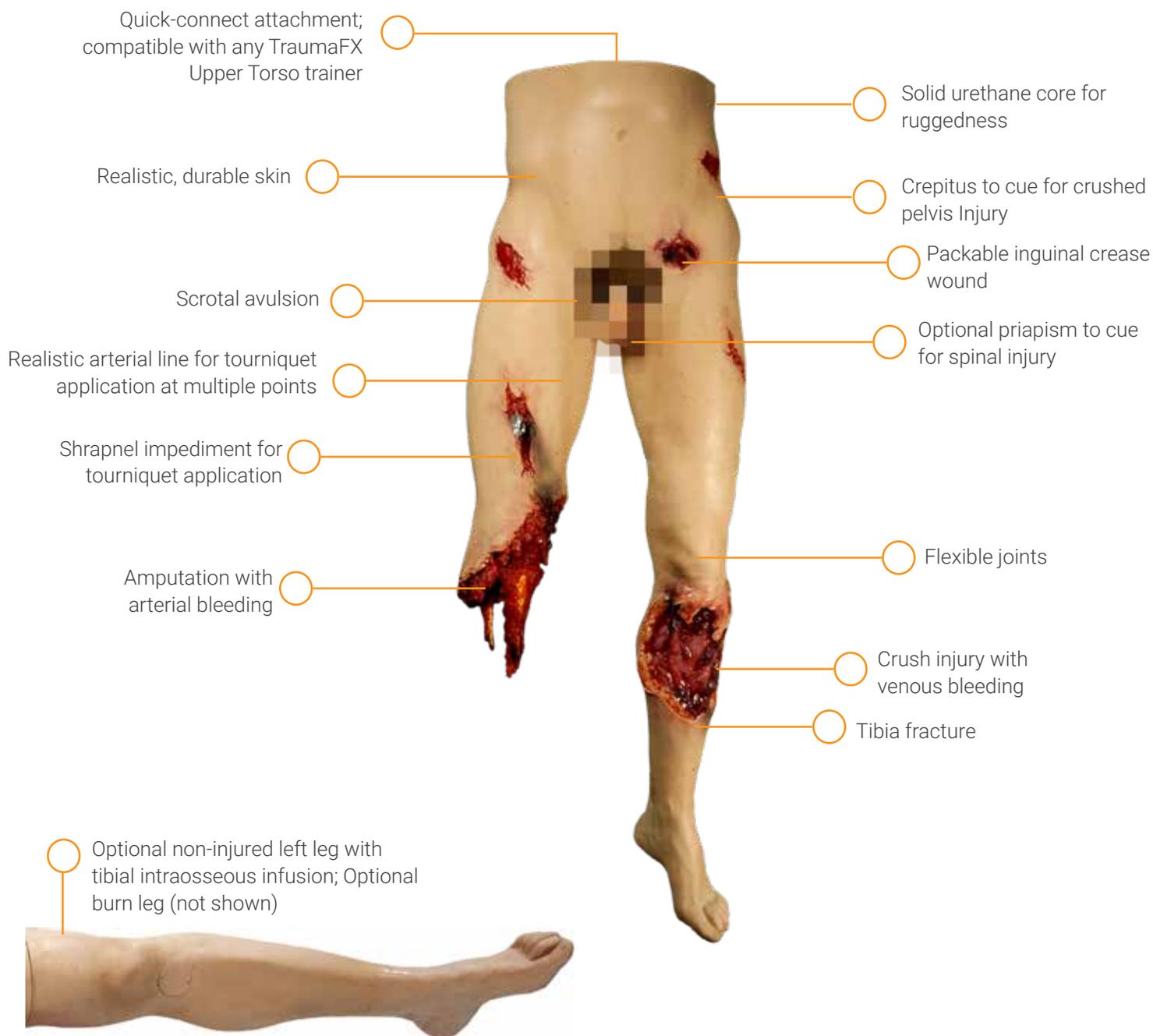AMSO Award

Governors Award

SBIR Award

Modeling & Simulation Training Team Award

Contract Vehicles:
GSA: GS-07F-063DA
DLA ECAT: SPE2DH-18-D-0008
PEO STRI TATT II: W900KK-19-D-0005
PEO STRI VPSS: W900KK-18-D-0012
NATO Logistics Stock Exchange

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NOAN-HEMO Feature Guide

Quick-connect attachment; compatible with any TraumaFX Upper Torso trainer

Solid urethane core for ruggedness

Realistic, durable skin

Crepitus to cue for crushed pelvis Injury

Packable inguinal crease wound

Scrotal avulsion

Optional priapism to cue for spinal injury

Realistic arterial line for tourniquet application at multiple points

Shrapnel impediment for tourniquet application

Flexible joints

Amputation with arterial bleeding

Crush injury with venous bleeding

Tibia fracture

Optional non-injured left leg with tibial intraosseous infusion; Optional burn leg (not shown)

All TraumaFX Products are handcrafted in the USA

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