



## Damage Control Laparotomy

Damage Control Laparotomy is an emergency surgical procedure for the treatment of patients with life-threatening abdominal trauma and severe hemorrhage, associated with injuries found in both combat and civilian scenarios and provides the critical surgical intervention needed to manage both hemorrhage and contamination until the patient can receive further intensive care.

### Operating Team Training

Designed by trauma surgeons, the **Damage Control Laparotomy** system is an anatomically correct, first-in-the-world simulator that provides the entire surgical operating team with a **fully-operative, hands-in-the-body** experience for developing essential damage control surgical skills.

#### Features:

- > Realistic, soft-tissue organs, including spleen, bowels and liver
- > Can be incised, dissected, retracted and sutured using standard surgical instruments
- > Pulsatile, pressurized bleeding system
- > Operable wounds including ruptured spleen, lacerated liver, lacerated vena cava, lacerated bowel/mesentery, and lacerated diaphragm.
- > Replaceable organs for repetitive practice

# Damage Control Laparotomy



## Learning Scenarios

- Penetrating abdominal trauma with shock
- Blunt abdominal trauma with shock
- Logic of operations
- Procedural standard for each scenario/individual organ injury
- Ability to test cognitive and psychomotor skills
- Teamwork and communication

## Maneuvers and Procedures

- Four-Quadrant packing
- Evisceration of the small bowel
- Abdominal exploration
- Kocher maneuver
- Cattell-Braasch maneuver
- Liver compression
- Liver packing
- Pringle maneuver
- Splenectomy
- Aortic compression
- Aortic clamping in hiatus
- Run small bowel
- Control of fecal spillage
- Repair bowel
- Suture stomach injury
- Repair ruptured diaphragm
- Manage pancreatic injury
- Temporary abdominal closure

## Technical Specifications:

### Upper body torso base

#### Organs:

- Liver and gallbladder
- Spleen
- Splenic ligaments
- Diaphragm
- Kidneys
- Large and small bowels
- Pancreas
- Stomach
- Colon
- Omentum
- Vena cava
- Aorta
- Duodenum

- Pressurized bleeding system
- Prime aortic pump
- Prime venous pump
- 1 Gallon concentrated blood

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

Operative Experience