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/mesentry, 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.