

# Emergency Obstetrics Surgery (EOS ™) Procedural Training

C-celia ™ Post Partum Hemorrhage

Training Simulator

**Care, Maintenance and Operating Instructions Manual** 

www.operativeexperience.com

410-287-5748

# **Mobius Retractor**

The use of a Mobius Elastic Retractor, while not required or provided, will extend the life of the model.



#### **Parts List**

- A. Back plate
- D. Squeeze pumps
- G. Fill bags (blood, lube)
- J. Uterine/pelvic lock
- M. Abdominal insert
- B. Quick release pin
- E. Extra screws
- H. Pressure sleeve
- K. Screws

Not pictured – screwdriver

- C. Fill tubes
- F. Simulator bags
- I. Intestines
- L. Uterus



# **Installing Uterus**

# Lubricate uterus for insertion



Insert blood tube from uterus Into hole



Uterus shown in good position



(Post Partum Hemorrhage Simulator)

# Identify hole in abdominal lining



Iteratively and gently pull tube through as you push uterus into position. Alternate from one side to the other. Lubricating tube will ease insertion.



# **Installing Uterus (cont.)**

# Continue sliding uterus down while gently pulling tubes...



Push uterus into pelvis



Check that tube is not kinked



...until uterus is in place



seat the uterus



Snap connect uterine blood flow tubes



# **Installing Uterus (cont.)**

# Image of connected blood flow tubes



**Tuck tubes behind tissue** 



Align anchor posts with holes



# Gently pull tubes from back until taut



Position uterine/pelvic anchor



Attach with T9 torx screws. Do not cross threads or overtighten.



# **Adding Intestines and Abdominal Wall**

# Place intestines in abdominal cavity



Location of placement of attachment points



Insert quick release pin through frame



# Locate attachment points on abdominal wall ring



Position abdominal wall, slide attachment points under location of placement.



To remove abdominal wall, push the blue button on the quick release pin, extract pin and slide abdominal wall down.

# Infusing with blood or lubricant

# Open back plate and locate fill ports



Snap connect to fill port



Connect fill tube with IV fill bag



Place IV fill bag into pressure sleeve



#### To infuse:

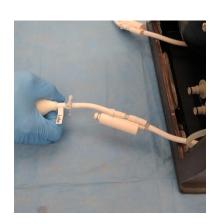
- •Close (turn to right) flow control knobs
- •Put internal reservoir hand-squeeze pump in deflate (left) position
- •Pump pressure cuff until blood/lube IV bag is empty
- Detach from fill port
- •Release pressure on cuff

# **Pressurizing Internal Fluid Reservoir**

Turn flow control OFF (turn right)
Set hand squeeze pump to "inflate"



Pump hand squeeze pump...



...until pressure gauge shows green stripe



# **Lubricating and Bleeding**

To lube, open valve and distribute lube in abdominal cavity around uterus with hand through abdominal opening. Close valve.



For arterial blood flow, turn blood flow valve to the left. Note: a ¼ turn will provide strong blood flow.

There is a separate valve on each side of the simulator.



# Disassembly, Cleaning and Storage

#### Removing fluids from internal reservoirs.

- Turn off flow control valves
- Pressurize internal reservoir
- •Insert fill tube IV spike into empty IV bag
- •Attach fill tube connector to fluid port to extract fluid

#### Flushing internal fluid reservoirs

Follow the same process for infusing model with blood or lube, substituting water or a mix of water and mild soap

#### Cleaning

All parts of the model can be cleaned with water or water with a mild soap. Do not store the model overnight without washing, and wash and dry thoroughly before storage.

Note the entire model can be hosed down.

#### Storage

All fluid should be removed from the internal reservoirs, and the system should be flushed with water before storage. Surface areas, including the inside compartment housing the infusion ports, should be cleaned and dried before storage.

(Post Partum Hemorrhage Simulator)

#### **Technical Support:**

\* Simulators must be serviced by qualified OEI technicians only\*

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#### Disclosure

To prevent electronic and mechanical system failures, please comply with the instructions included in this manual.

Infuse manikin with supplied or approved simulated blood and fluids only.

\* FAILURE TO COMPLY COULD RESULT IN CATASTROPHIC SYSTEM FAILURE\*



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