

Build Instructions

ALL-SAFE

Appendicitis Simulation



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ALL-SAFE Consortium: Pan-African Academy of Christian Surgeons, University of Michigan, Southern Illinois University, Soddo Christian Hospital, AIC Kijabe Hospital, and Mbingo Baptist Hospital

Materials Required for Assembly:

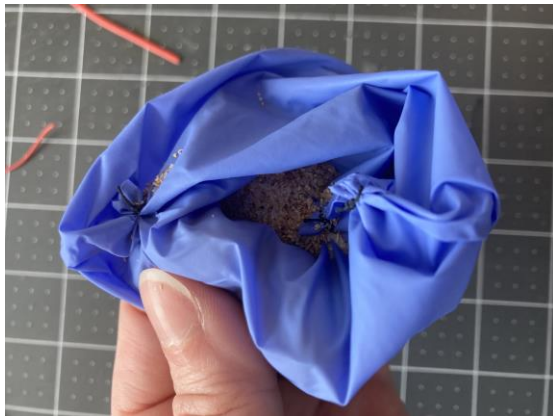
- 2 vinyl exam gloves
- Sand or dirt
- Cotton balls or gauze
- Vessel loop or red yarn
- Plastic wrap
- silk ties
- tape



Preparation Instructions:

Part A – Appendix and cecum

- Take an exam glove, and tie off the thumb and 3-5th fingers. Cut off fingers above tie
- Invert the glove
- Fill the intact 2nd finger with sand or dirt, packing tightly.
- Fill the remainder of the glove with gauze or cotton



Preparation instructions, continued

Part B – Mesoappendix

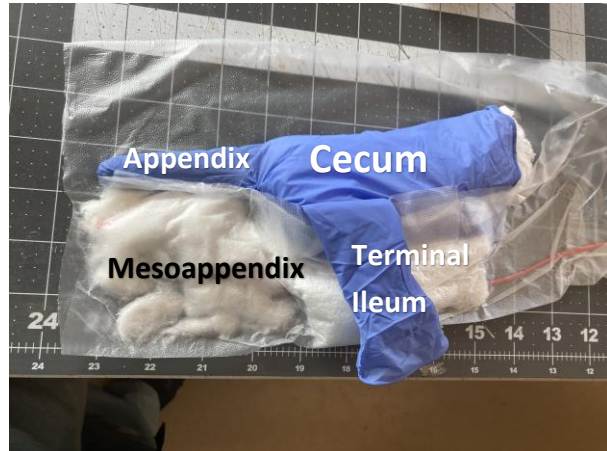
- Lay down layer of plastic wrap, place appendix model on top
- Put down layer of cotton or gauze
- Place vessel loop or yarn as artery
- Put down second layer of cotton or gauze
- Fold up the plastic wrap, turning appendix model so the mesoappendix attaches to the posterior aspect. (Can add additional tape or plastic wrap for lateral



Preparation instructions, continued

Part C – Terminal ileum

- Take second glove and cut off fingers.
- Fold in half, secure with tape
- Secure to side of cecum with tape



Part D – Securing model

- Use wide tape (duct tape or clear plastic tape) to secure model to base in trainer box.
- Make sure tape does not overlap with appendix or cecum to prevent interfering with simulation.



Part E– Endoloops for procedure

- If endoloops are not available, A Roeder's knot can be fashioned to use instead.
- See link below for a video on step-by step instruction on forming a Roeder's knot
 - <https://youtu.be/k8Sa4oIAdKE>