

ALL-SAFE Ectopic Pregnancy 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 large cotton socks
- Plastic wrap
- Fabric glue or stapler
- Penrose drain
- Playdough
- If playdough unavailable: Flour, Nescafe or food coloring, salt
- Toomey Syringe
- Suture tie
- Marker
- Tape
- Paper plate



Preparation Instructions:

Part A - Uterus

- Take one large sock, stuffing the toe with cotton material (Stuffing can be a matched sock, fabric or lap pad based on availability of materials). This will form the “fundus” of the uterus.
- Narrow the foot of the sock by folding the ends over and securing into place with glue or staples to form the body of the uterus.
- Trim any excess sock material.



Preparation instructions, continued

Part B – Ovaries

- Take small (approximately 5x5 cm) squares of cotton fabric and fold into a round ball.
- Secure ends with staples or glue.



Part C – Ectopic Contents

- Note – you may use playdough if available (bright colors will be more visible)
- If not available, Make home-made dough with the following recipe.
 - Flour – ½ cup
 - Salt – 1/8 cup
 - Nescafe- 1/8 cup
 - Water – ¼ cup
- Mix dry ingredients.
- Add water, mixing thoroughly.
- Mixture should form a soft ball. If too soft or hard, add flour or water, respectively.



Part D – Fallopian tubes with Ectopic Pregnancy

- Take the Penrose drain, securing a suture tie approximately 1/3 of the way along one end.
- Fill a Toomey syringe with dough filling approx. 5-10 cc into the drain, until “ectopic pregnancy” is appropriate size.
- Tie a second tie to keep the dough in place.
- Using a marker or pen, place a single circular mark at the superior side of the ectopic pregnancy. This mark will be used later when practicing intracorporeal suturing and knot tying skills.
- Cut 3-4 approximately 1 cm slits in ends of drain to form fimbriae.



Assembly Instructions:

- Secure tubes to uterus.
 - Using a stapler or fabric glue, secure the center of the Penrose drain to the fundus of the constructed uterus, so that each half is clearly visible to either side.



- Use plastic wrap to form mesosalpinx.
 - Place uterus, tubes, and ovaries onto a sheet of plastic wrap in appropriate anatomic positioning.
 - Press second sheet of plastic wrap on top.

- Trim to appropriate size.
- NOTE: It will be easier to perform the operation if you tape the ectopic simulation to a paper plate, and then tape this paper plate to the table for stability.

