Basic Hysteroscopy Simulation

Preparation

Station ideally has two residents and one faculty preceptor
Medical equipment per station:
- Endoscopic tower
- Diagnostic hysteroscope
- 1000 cc bags 0.9% NaCl (Not necessary if running a dry lab)
- Tubing for inflow and out flow (Not necessary if running a dry lab)
- Uterine model: can often be obtained from local Ethicon rep uterine model trays
- Bell Pepper (one per resident)*
- Grasping forceps and scissors (only for bell pepper lab)**

Sequence of Lab

The intended sequence of events for this lab involves two initial OSATS (observed structured assessment of technical skills):
   a. 5 minutes hysteroscope assembly OSATS and
   b. 5 minute diagnostic hysteroscope OSATS or 10 minute bell pepper lab.

   *The faculty should make certain that none of the equipment is damaged and only intervene if damage to the equipment appears imminent.*

Competency Assessment

A. Hysteroscope assembly component
   Residents should be able to assemble the hysteroscope correctly and obtain an image in less than 5 minutes to be considered competent in this task.
   Correctly naming and proper order of assembly will be noted as mastery of this task.

B. Diagnostic hysteroscopy component
   Residents should be able to
   i. identify cervical canal, junction of canal and lower uterine segment and both tubal ostia and
   ii. identify each of the intrauterine pathologic features in less than 5 minutes in order to be considered competent.
   Properly rotating the scope to maximize the use of the angled lens and minimize uterine manipulation and torque will be noted as mastery of this task.

C. Bell pepper lab component
   Residents should be able to
   i. identify the seeds and septa and
   ii. remove 3 seeds with a grasper and excise a 1cm segment of the septa to be considered competent.
   Properly rotating the scope to maximize the use of the angled lens not dropping any seeds and excising the septa segment all without any redundant moves will be considered mastery.

* Bell Pepper Model
  - Readily available
Basic Hysteroscopy Simulation

- Inexpensive
- During use stabilize by hand or taping to table
- Use hysteroscopy sheath to bore hole (cervix)
- Seeds can be grasped and extracted
- Septum can be cut with scissors

** Commercial models
- Must be ordered
- More expensive by reusable
- Can simulate normal and pathological conditions
- Example of a model below (courtesy of Limbs and Things)