



Nicole Fearing, MD, FACS
Assistant Professor of Surgery
Medical Director, Shelden Clinical Simulation Center
University of Missouri

Starting a skills lab...

On a BUDGET



Why Start Simulation?



- ACGME Rules
- Patient driven
- Core Competencies



Basic Needs



- Space
 - ACS requirements-
 - 4000sf
- Surgical Staff Support
 - Some type of director
 - Surgical attendings to support its importance
- Resident buy-in
 - Time



Where to Start?



- Don't reinvent the wheel...
 - Staff at your program
 - Other programs here today.
 - APDS, ACS websites



Curriculum



- MIZZOU example- Laparoscopy simulation
 - Residents participate 6 times per year
 - Same simulation lab repeated two months in a row
 - Modules
 - Biliary
 - Small Bowel
 - Hernia
 - Colon
 - Gastric
 - Solid Organ and Laparoscopic Complications.
- Starting July 1
- Trauma, Open and Laparoscopic curriculum
- Professionalism
- Mock Codes
- Team Training
- Pig Lab





Curriculum



- Journal articles-landmark articles
- Technical didactic lectures
 - Taught by the expert attendings and the fellows
 - Chief residents will start assisting in teaching-7/1
 - 20 minutes each-no more than 2-3
 - *This will be changed to web based in a year
 - SAGES

Not possible at your program?

- Technical didactic lectures
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 - 20 minutes each-no more than 2-3
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 - SAGES
- Web based curriculum
 - Not included in 80hours
 - Do from home
 - Administrations can follow progress
 - Pre and post tests
- Chief Resident Run
 - Once they have passed FLS and are deemed appropriate by PD.



Dry Lab



- Dry lab stations
 - Based on the topic for the month
 - Basic skills station and advanced
 - All residents are expected to do all stations
 - Validate before
 - Monitor progress (timed)
 - Attendings and fellows assist and give feedback as they go through their stations.



Dry lab video



Missouri Center for
Advanced Techniques in Surgery
University of Missouri Health Care



Animal Lab



- Two residents per animal
 - They are given a review of the procedure during the technical lecture.
 - When they are finished with their procedure they are to repeat the procedure from their last session.
 - Attendings and fellows at each table.



Not Possible



- Consider talking with local reps and vets who may be able to do an animal lab at their facility once a year.
- SAGES sponsored resident course
 - Basic and Advanced



Barriers



- Time
- Difficult to make mandatory
- Other attendings' participation
- Cost



Don't reinvent the wheel



Resources already present

- Old trainers in closets?
- Talk with OR about old equipment.
 - Needle drivers, clamps, scissors
- Ask OR to save suture, graft, mesh etc
 - Keep reminding them.
- Reps-Equipment, grants, books.





Where to start-laparoscopy

- FLS
 - Fundamentals of Laparoscopic Surgery
 - Basic Laparoscopic skills
 - Cognitive Component
 - Validated
 - Consists of CD-rom study guide
 - Basic laparoscopy trainer.
 - Assessment tool





FLS



- Peg Transfer
- Pattern Cutting
- Endoloop
- Intracorporeal knot tying
- Extracorporeal knot tying



Covidien Grant



- Grant to cover cost of each program 5th year residents and fellows to test out in FLS
- Provides CDs, task trainer box, and test vouchers to each program.
 - Supplies
- How to apply.

Other Basic Laparoscopy Skills

(This is where Hobby Lobby and Lowes come in handy.)

- Needle righting
- Rope run
- Clip Applying



Advanced Laparoscopic Skills

- Butch Rosser-Top Gun
- FLS is working on an advanced module
- Closure of Crura
- Anvil placement on EEA stapler





Lap training device video





Thank you



Any Questions?

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