

Surgical Skills Laboratory



Planning

- Who are the stakeholders?
 - Undergrad students
 - Surgery residents
 - Core
 - Neurosurg
 - Orthopedic surgery
 - General surgery
 - Residency Training committees & program directors
 - Teachers
 - Continuing professional learning – Dr. Penny Davis
 - WCVM – Dr. John Grahn & Dr. Jeremy Bailey
 - others

Planning

- What are the needs?
 - Interview the stakeholders
- Establish a users group
 - Prioritize the needs
 - Create measurable goals based on the needs
 - Determine programs (curriculum) to meet the goals
 - Identify the resources needed for the programs
 - Space
 - Equipment
 - Consumables
 - Personnel
 - Finances

Planning

- Communications plan
 - Who needs to be kept informed
 - How will they receive the information

WCVM

- Very interested in collaborating
- Significant need for simulation
- Pressured to justify live animals for teaching

- Needs assessment
 - Mar 1
 - Survey program directors
 - Faculty
 - Residents
 - Undergrad program
 - CPD
 - Establish a user's group

What is the ACS/APDS Surgical Skills Curriculum and how is it organized?

The ACS/APDS National Surgical Skills Curriculum is being developed in three phases. Phase I includes basic surgical skills designed with first and second year residents in mind. The skills included in the Phase I curriculum were identified by the National Simulation Committee because they are important for junior residents and cross at least two specialties.

Phase 1 Modules

- Advanced Tissue Handling: Flaps, Skin Grafts
- Advanced Laparoscopy Skills
- Airway Management
- Anastomosis – Hand Sewn Gastrointestinal
- Anastomosis – Stapled Gastrointestinal
- Anastomosis – Vascular
- Asepsis & Instrument Identification
- Basic Laparoscopy Skills
- Catherization, Urethral and Suprapubic
- Central Line and Arterial Line Insertion
- Chest Tube and Thoracentesis
- Colonoscopy
- Introduction to Inguinal Anatomy
- Knot Tying
- Laparotomy Opening and Closure
- Principles of Bone Fixation and Casting
- Surgical Biopsy
- Suturing
- Tissue Handling, Dissection, Wound Closure and Management
- Upper Endoscopy
- Wound Management

FLS

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enhancement and assessment module.**

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Please see page 5



Division of Education

DIDACTIC CONTENT

I. Preoperative Considerations

- Laparoscopic Equipment
- Energy Sources
- Room Set Up
- Patient Selection & Preoperative Assessment

II. Intraoperative Considerations

- Anesthesia & Patient Positioning
- Pneumoperitoneum Establishment
- Trocar Placement
- Physiology of Pneumoperitoneum
- Exiting the Abdomen

III. Basic Laparoscopic Procedures

- Diagnostic Laparoscopy
- Biopsy
- Laparoscopic Suturing
- Hemorrhage & Hemostasis

IV. Postoperative Care and Complications

- Postoperative Care
- Access Injuries
- Pneumoperitoneum
- Surgical Injury
- Procedural Complications

V. Manual Skills Instruction & Practice

- Training Exercises
- Data Analysis



ACS/APDS National Surgical Skills Curriculum

<http://elearning.facs.org/login/index.php>