Course Objective

Material Covered:

This elective will expose students to the management of patients in a busy general surgical service with a focus on advanced gastrointestinal surgery, robotic and advanced laparoscopic surgery, and surgical endoscopy. Students will work closely with 4 faculty surgeons. No residents/fellows are currently assigned to this service allowing students to work directly with attending surgeons. The focus of this rotation is developing skills of diagnosis, evaluation, as well as treatment planning for surgical diseases and continue further development of operating room technical skills for those interested in a residency in general surgery or a surgical subspecialty.

By the end of the elective, the student will be able to:

1. Discuss the pathophysiology and basic workup and treatment options of surgical disease, with a focus on GI surgical pathology, including benign and malignant processes of the esophagus, stomach (GERD, achalasia, paraesophageal hernias, gastric cancer, GIST tumors, surgery for obesity), small and large intestine, gallbladder, bile ducts, pancreas and liver, spleen, adrenal gland, as well as abdominal wall/hernias.

2. Describe how to achieve cost effective quality surgical care, including appropriate use of diagnostic testing, determination of surgical treatment strategy, and appropriate use of consultants.

3. Describe the appropriate indications of non-operative therapy

4. Analyze the role of surgeons and surgical subspecialists in palliative care

5. Manage common "on call" surgical issues that interns would be expected to diagnose and manage

6. Appropriately document in electronic health records

Skills Acquired:

Broad knowledge of diagnosis and treatment of surgical diseases and increased focus on development of technical skills to prepare for surgical internship.

Specifically, students will develop technical skills including

- open and laparoscopic abdominal entry techniques
- skin and wound closure
- appropriate use of energy and stapling devices
- ultrasound in surgical procedures

Activities Of Elective

Number Of New Patients/Student/Week: 15-20

Responsibilities Of Student For Assigned Patients:

<table>
<thead>
<tr>
<th>Does history/physical:</th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Who critiques:</td>
<td>Attending</td>
</tr>
<tr>
<td>Follows patients, with appropriate notes as needed:</td>
<td>Yes</td>
</tr>
<tr>
<td>Who supervises:</td>
<td>Attending</td>
</tr>
<tr>
<td>Does student see ambulatory patients:</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Procedures

<table>
<thead>
<tr>
<th>General/GI surgical procedures</th>
<th>Observe</th>
<th>Perform</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

Scheduled Duties of Student:
Describe Optional Rounds And Activities, If Any:

Research conferences (1 per month)

Other Required Activities:

- Reading/review of current literature: Yes
- Writing or presenting a paper: No

How Is Student Evaluated:

Summative evaluation from attending

Who Evaluates Students:

Attendings

Unique Features Of This Elective:

University teaching service in growing community hospital. No residents are routinely assigned. Unique referral base, including rural population.