



## Learning Objectives for Undergraduate Rotations in Pre and Post-Operative Care Year 3 Clerkship

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### Preoperative Care

- Describe the indications and methods for surgical antibiotic prophylaxis and DVT prophylaxis.
- Discuss how to assess the nutritional status of a patient, including potential impact on operative risk.
- Outline three different strategies that can be used to optimize a preoperative patient's nutritional state, cardiac state and pulmonary state.
- Demonstrate the ability to write preoperative orders in an organized and comprehensive manner for a mock patient who will be undergoing a right-hemi-colectomy for carcinoma.

### Postoperative Care

- Demonstrate the ability to write basic postoperative orders and postoperative note in an organized and comprehensive manner for a mock patient who just underwent a right hemicolectomy for carcinoma.
- Describe principles of monitoring and management of fluid, electrolyte and nutritional needs of surgical patients, including the calculation of rates for maintenance and replacement fluid.
- Apply findings from history, physical exam and investigations to identify and differentiate between common postoperative complications/presentations, including pneumonia, pulmonary embolus, atelectasis, hypoventilation, urinary retention, urinary tract infection, oliguria, deep venous thrombosis, compartment syndrome, surgical site infection, wound dehiscence, paralytic ileus, delirium, and high NG or stoma outputs.