



Learning objectives:

Chief Complaint: Young female with postpartum RUQ pain

Upon completion of this exercise, the student should be able to show proficiency in the following learning objectives:

- Student can recognize common presenting symptoms of acute cholecystitis
- Student can formulate and come up with differential diagnosis
- Student can formulate and propose relevant diagnostic tests
- Student is familiar and can interpret relevant laboratory results
- Student can identify most common risk factors for acute cholecystitis
- Student can compare and contrast different treatment options
- Student is familiar with pre-operative tests and assessment clearance
- Student can identify the appropriate antibiotic treatment
- Student can identify potential complications
- Student can formulate discharge planning and instructions



Learning objectives:

Chief Complaint: 55 yo male with acute abdomen

Upon completion of this exercise, the student should be able to show proficiency in the following learning objectives:

- Student is able to recognize common presenting symptoms of perforated bowel
- Student is able to formulate and come up with differential diagnosis based on PE
- Student is able to formulate and propose relevant diagnostic tests
- Student is able to compare and contrast different treatment options
- Student is familiar with pre-operative tests, preparation clearance and assessment
- Student is able to identify the appropriate antibiotic treatment
- Student is able to identify potential complications of the procedure
- Student is familiar with 2-stage surgical treatment (bowel resection and reversal)
- Student is familiar with options and assessment for wound closure
- Student is able to formulate discharge planning, prognosis and post-op instructions



Learning objectives:

Chief Complaint: 68 yo female with severe left knee pain

Upon completion of this exercise, the student should be able to show proficiency in the following learning objectives:

- Student is able to recognize common presenting symptoms of severe osteoarthritis (OA)
- Student is able to formulate and come up with differential diagnosis based on PE/X-ray
- Student is able to formulate and propose relevant diagnostic tests
- Student is able to compare and contrast different treatment options for knee OA
- Student is familiar with pre-operative tests, preparation clearance, and post-op assessment
- Student is able to identify the appropriate intra-operative steps for total knee arthroplasty
- Student is able to identify potential complications of the TKA procedure
- Student is familiar with several common techniques used to perform TKA procedure
- Student is familiar with different wound closures and dressing options for TKA procedure
- Student is able to formulate discharge planning, prognosis, and post-op instructions



Learning objectives:

Chief Complaint: 48 yo male with abdominal bulge

Upon completion of this exercise, the student should be able to show proficiency in the following learning objectives:

- Student is able to recognize common presenting symptoms of ventral hernia
- Student is able to identify most common risk factors associated with ventral hernia
- Student is able to propose appropriate diagnostic tests for ventral hernia evaluation
- Student is able to compare and contrast laparoscopic, robotic vs open treatment options
- Student is able to identify potential complications of the procedure
- Student is able to identify the appropriate treatment options to prevent recurrence
- Student is familiar with options and techniques for ventral hernia wound closure
- Student is able to compare and contrast ventral hernia repair with or without mesh
- Student is familiar with different closure options or techniques post ventral hernia repair
- Student is able to formulate discharge planning and post-op instructions



Learning objectives:

Chief Complaint: 73 yo male with carotid artery stenosis

Upon completion of this exercise, the student should be able to show proficiency in the following learning objectives:

- Student is able to recognize common presenting symptoms of patients with carotid stenosis
- Student is able to identify most common risk factors associated with carotid stenosis
- Student is able to propose appropriate diagnostic and evaluation tests for carotid stenosis
- Student is familiar with pre, intra, and post-operative patient course related to CEA procedure
- Student is able to compare and contrast surgical techniques and treatment options for CEA
- Student is able to identify potential complications of the CEA procedure
- Student is able to identify intra-operative options to assist surgeons with CEA surgery
- Student is familiar with wound closure options and techniques for CEA
- Student is familiar with prognosis and recurrence rate of patients post CEA procedure
- Student is able to formulate discharge planning and post-op instructions after CEA procedure



Learning objectives:

Chief Complaint: 82 yo female with femoral neck fracture

Upon completion of this exercise, the student should be able to show proficiency in the following learning objectives:

- Student is able to recognize common presenting symptoms of patients with hip fracture
- Student is able to identify most common risk factors associated with hip fractures
- Student is able to propose appropriate diagnostic and evaluation tests for hip fracture
- Student is familiar with pre, intra, and post-operative patient course related to ORIF hip
- Student is familiar with imaging and diagnosis of 3 types of hip fractures
- Student is able to compare and contrast surgical technique options for hip fracture
- Student is able to identify potential post-op complications after ORIF hip
- Student is familiar with wound closure options and techniques related hip fracture surgery
- Student is familiar with prognosis and rehabilitation course of patients after hip fracture repair
- Student is able to formulate discharge planning and patient instructions after hip fracture repair



Learning objectives:

Chief Complaint: 21 yo male with abdominal pain

Upon completion of this exercise, the student should be able to show proficiency in the following learning objectives:

- Student is able to recognize common presenting symptoms of acute appendicitis
- Student is able to identify common risk factors associated with appendicitis
- Student is able to propose appropriate diagnostic tests for suspected appendicitis
- Student is able to compare and contrast laparoscopic, robotic vs open treatment options
- Student is able to identify potential complications of the procedure
- Student is familiar with general pre-operative orders and clearance
- Student is familiar with options and techniques for wound closure post appendectomy
- Student is familiar with intra-operative course of procedure and expected outcome
- Student is familiar with writing of short post-op note content and progress note
- Student is able to formulate discharge planning and post-op instructions



Learning objectives:

Chief Complaint: 30 yo male with abdominal pain

Upon completion of this exercise, the student should be able to show proficiency in the following learning objectives:

- Student is able to recognize common presenting symptoms of inguinal hernia
- Student is able to identify common risk factors associated with inguinal hernias
- Student is able to propose appropriate evaluation tests for suspected inguinal hernia
- Student is able to compare and contrast laparoscopic, robotic vs open treatment options
- Student is able to identify potential complications of the inguinal hernia repair
- Student is familiar with general pre-operative orders and clearance
- Student is familiar with intra-operative course of procedure and expected outcome
- Student is familiar with options and techniques for wound closure post inguinal hernia repair
- Student is familiar with writing content of short post-op note
- Student is able to formulate discharge planning and post-op instructions



Learning objectives:

Chief Complaint: 49 yo female with abdominal pain

Upon completion of this exercise, the student should be able to show proficiency in the following learning objectives:

- Student is able to recognize common presenting symptoms of small bowel obstruction
- Student is familiar with physical exam related to patients with suspected bowel obstruction
- Student is able to identify common causing risk factors associated with small bowel obstruction
- Student is familiar with ordering appropriate diagnostic tests and their results related to patient with suspected small bowel obstruction
- Student is familiar with treatment options related to patients with small bowel obstruction
- Student is able to identify potential risks and complications related to exploratory laparotomy
- Student is familiar with general pre-operative orders and clearance for patient with small bowel obstruction
- Student is familiar with intra-operative course of procedure and expected outcome
- Student is familiar with writing of short post-op note content and progress note
- Student is able to formulate discharge planning and post-op instructions



Learning objectives:

Chief Complaint: 69 yo female with severe left hip osteoarthritis

Upon completion of this exercise, the student should be able to show proficiency in the following learning objectives:

- Student is able to recognize common presenting symptoms of severe hip osteoarthritis (OA)
- Student is able to formulate and come up with differential diagnosis based on PE/X-ray
- Student is able to formulate and propose relevant diagnostic tests
- Student is able to compare and contrast different treatment options for hip OA
- Student is familiar with pre-operative tests, preparation clearance, and post-op assessment
- Student is able to identify the appropriate intra-operative steps for a total hip arthroplasty
- Student is able to identify potential complications of the THA procedure
- Student is familiar with three common techniques used to perform THA procedure
- Student is familiar with different wound closure and dressing options for THA procedure
- Student is able to formulate discharge planning, prognosis and post-op THA instructions



Learning objectives:

Chief Complaint: 41 yo female with full-term pregnancy

Upon completion of this exercise, the student should be able to show proficiency in the following learning objectives:

- Student is able to identify risk factors associated with C-section surgery
- Student is able to identify benefits of a C-section
- Student is able to list several reasons for scheduling C-section
- Student is familiar with possible complications of C-section and treatment options
- Student is familiar with pre-operative orders and clearance for patient scheduled C-section
- Student is familiar with intra-operative steps and course of C-section with expected outcome
- Student is familiar with first-assistant roles and responsibilities during C-section
- Student is familiar with various common closing and dressing techniques after C-section
- Student is able to formulate post-op instructions after C-section
- Student is able to evaluate different pain control methods related to C-section



Learning objectives:

Chief Complaint: 49 yo female with left breast lump

Upon completion of this exercise, the student should be able to show proficiency in the following learning objectives:

- Student is able to identify risk factors associated with breast cancer
- Student is able to identify treatment options for breast lump
- Student is able to list several reasons for undergoing breast lumpectomy
- Student is familiar with risks and possible complications of breast lumpectomy
- Student is familiar with pre-operative orders and clearance for breast lumpectomy
- Student is familiar with intra-operative course of breast lumpectomy
- Student is familiar with first-assistant roles and responsibilities during breast lumpectomy
- Student is familiar with various closing techniques and dressing after breast lumpectomy
- Student is able to formulate and list post-op instructions after breast lumpectomy
- Student is familiar with prognosis and follow up after breast mastectomy



Learning objectives:

Chief Complaint: 47 yo female with menorrhagia

Upon completion of this exercise, the student should be able to show proficiency in the following learning objectives:

- Student is able to identify factors associated with causes to have LAVH
- Student is able to identify treatment options for patients with heavy menorrhagia
- Student is able to compare and contrast advantages and disadvantages of LAVH vs. open hysterectomy
- Student is familiar with risks and possible complications after LAVH procedure
- Student is familiar with pre-operative orders and instructions related to LAVH
- Student is familiar with intra-operative course of LAVH procedure
- Student is familiar with first-assistant roles and responsibilities during LAVH
- Student is familiar with preferred closing techniques and dressing after LAVH
- Student is able to formulate and list post-op instructions after LAVH
- Student is familiar with expected prognosis and follow up orders after LAVH



Learning objectives:

Chief Complaint: 52 yo female with neck mass

Upon completion of this exercise, the student should be able to show proficiency in the following learning objectives:

- Student is familiar with presenting signs and symptoms of patients with thyroid disease
- Students is familiar with diagnostic options for patients evaluated for thyroid disease
- Student is able to identify causes related to performing thyroidectomy as treatment option
- Student is able to identify surgical complications related to thyroid surgery
- Student is familiar with pre-operative orders and clearance for patient scheduled for thyroidectomy
- Student is familiar with intra-operative steps and course of thyroidectomy procedure
- Student is familiar with various common closing and dressing techniques after thyroidectomy
- Student is able to formulate post-op orders and discharge instructions after thyroidectomy
- Student is able to evaluate pain control options for patients undergoing thyroidectomy
- Student is familiar with prognosis of patients after thyroidectomy



Learning objectives:

Chief Complaint: 59 yo female with recent weight loss, cough, and fatigue

Upon completion of this exercise, the student should be able to show proficiency in the following learning objectives:

- Student is able to recognize common presenting symptoms of lung cancer
- Student is able to formulate and come up with differential diagnosis
- Student is able to formulate and propose relevant diagnostic tests
- Student is familiar and can interpret relevant laboratory results
- Student is able to identify most common risk factors for lung cancer
- Student is able to compare and contrast different treatment options for lung cancer
- Student is familiar with pre-operative tests and assessment clearance
- Student is familiar with the course of robotic VATS procedure
- Student is able to identify potential complications of VATS
- Student is able to formulate discharge planning and instructions



Learning objectives:

Chief Complaint: (Surgical Pearls Session)

Upon completion of this exercise, the student should be able to show proficiency in the following learning objectives:

- Student is familiar with common surgical instruments used by Physician Assistants
- Student is able to compare and contrast use of absorbable sutures
- Student is able to compare and contrast use of non-absorbable sutures
- Student is familiar with subcuticular wound close technique
- Student is able to compare and contrast surgical knots and their common purpose
- Student is familiar with common dressings of surgical wounds
- Student is familiar with common mistakes to avoid during suturing
- Student is able to identify and how to act in certain surgical setting situations
- Student is familiar with dos and don'ts associated with intra-operative setting
- Student is able to communicate clearly with surgical staff to create favorable outcome