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General Surgery Team 1 – PGY 1: Breast, Endocrine, HPB, Colorectal, and Basic Trauma Care

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate the ability to perform appendectomies, cholecystectomies (open and laparoscopic), hernia repairs, bariatric and other general surgical cases including breast, endocrine, and basic trauma care
2. Demonstrate basic management of critically ill patients, including vasoactive medication and ventilatory management
3. Demonstrate skills in thoracostomy tube placement
4. Demonstrate successful completion of FLS
5. Resident is expected to be proficient at:
 - a. Phlebotomy
 - b. Peripheral IV-line placement
 - c. Nasogastric tube placement
 - d. Foley catheter insertion
 - e. Ultrasound for trauma

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should understand:

1. The evaluation of a general surgical patient who presents to the emergency room
2. Pathophysiology of common general surgical diseases (ex: cholecystitis, bowel obstruction, hernia, peptic ulcer disease, lipoma)
3. Basic Science principles (ex: metabolism, wound healing)
4. General Surgery principles (ex: acute cholecystitis, trauma laparotomy, breast procedures)
5. GI Surgery principles (ex: perforated ulcer)
6. Radiographic studies: indications and interpretation

Professionalism



**TidalHealth
General Surgery Residency Program
Rotation Goals and Objectives**

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should:

1. Be receptive to feedback on performance
2. Be attentive to ethical issues
3. Be involved in end-of-life discussions and decisions
4. Be sensitive to gender, age, race, and cultural issues
5. Demonstrate leadership

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Evaluate published literature in critically acclaimed journals and texts
2. Apply clinical trials data to patient management
3. Participate in academic and clinical discussions
4. Teach medical students
5. Attend conferences

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Interact with patients and their family
2. Interact with Nursing staff and other members of the health care team
3. Interact with OR staff
4. Interact with Attendings
5. Interact with peer and senior house staff

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.



Objective: To meet the objectives of this rotation, residents should demonstrate:

1. Awareness of cost-effective care issues
2. Awareness of issues regarding end-of-life decisions
3. Sensitivity to medical-legal issues
4. Knowledge of information technology/computer resources available



General Surgery Team 1 – PGY 2: Breast, Endocrine, HPB, Colorectal, and Basic Trauma Care

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents should be introduced to:

1. Open and laparoscopic bariatric surgery
2. Open and laparoscopic hernia repair
3. Successful completion of FLS
4. Basic general and laparoscopic procedures including breast biopsy, and cholecystectomies, initial management of the trauma patient
5. Management of the inpatient and emergency department patients presenting with gastrointestinal bleed, abdominal pain, thoracic and various surgical problems which may require a bedside procedure
6. Resident is expected to be proficient at:
 - a. Diagnosis and operative management of inguinal hernia disease and cholecystitis/cholelithiasis
 - b. Managing critically ill patients (including bariatric and surgical patients)
 - c. Central venous access
 - d. Basic breast operations

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should understand:

1. Pre- and post-operative evaluation of patients with gallbladder disease, hernia, and small bowel pathology
2. Pre-operative evaluation and post-operative care of bariatric surgery patients
3. Basic Science principles (ex: metabolism, wound healing)
4. General Surgery principles (ex: acute abdomen)
5. Pathophysiology of common general surgical diseases (i.e., Cholecystitis, bowel obstruction, hernia, peptic ulcer disease, lipoma)
6. Critical Care subjects (ex: ARDS, SIRS, MODS)
7. General Medicine principles (ex: infectious disease)
8. Pharmacologic principles (ex: antibiotic management)



9. Radiographic studies: indications and interpretation

Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should:

1. Be receptive to feedback on performance
2. Be attentive to ethical issues
3. Be involved in end-of-life discussions and decisions
4. Be sensitive to gender, age, race, and cultural issues
5. Demonstrate leadership

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Evaluate published literature in critically acclaimed journals and texts
2. Apply clinical trials data to patient management
3. Participate in academic and clinical discussions
4. Teach medical students
5. Attend conferences

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Interact with patients and their family
2. Interact with Nursing staff and other members of the health care team
3. Interact with OR staff
4. Interact with Attendings
5. Interact with peer and senior house staff

Systems-Based Practice



Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should demonstrate:

1. Awareness of cost-effective care issues
2. Awareness of issues regarding end-of-life decisions
3. Sensitivity to medical-legal issues
4. Knowledge of information technology/computer resources available



General Surgery Team 1 – PGY 3: Breast, Endocrine, HPB, Colorectal, and Basic Trauma Care

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents should be introduced to:

1. Advanced laparoscopic techniques, including intracorporeal suturing
2. Open general surgical procedures (ex. exploratory laparotomy) and breast procedures (ex. lumpectomy, SLNB), parts of advanced endocrine and trauma surgery
3. Routine and Complex HPB cases
4. Resident is expected to be proficient at:
 - a. Inguinal and umbilical hernia repairs
 - b. Laparoscopic and open cholecystectomies
 - c. Assisting with thyroid and parathyroid resections

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should understand:

1. Managing inpatient consults for abdominal pain and gastrointestinal bleeding
2. Managing critically ill patients including the management of vasoactive medications and ventilator management
3. Diagnosis and operative management of inguinal hernia disease and cholecystitis/cholelithiasis
4. The indications and contraindications for laparoscopic surgery in patients with diseases of the gallbladder, appendix, and surgical diseases of the spleen
5. Assessment of surgical emergencies including acute abdomen and limb ischemia
6. Gaining knowledge of cases surrounding HPB topics including endocrine, exocrine pancreas, hepatocellular cancer, and management of metastatic tumors to the liver.

Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should:



1. Be receptive to feedback on performance
2. Be attentive to ethical issues
3. Be involved in end-of-life discussions and decisions
4. Be sensitive to gender, age, race, and cultural issues
5. Demonstrate leadership

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Evaluate published literature in critically acclaimed journals and texts
2. Apply clinical trials data to patient management
3. Participate in academic and clinical discussions
4. Teach medical students
5. Attend conferences

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Interact with patients and their family
2. Interact with Nursing staff and other members of the health care team
3. Interact with OR staff
4. Interact with Attendings
5. Interact with peer and senior house staff

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should demonstrate:

1. Awareness of cost-effective care issues
2. Awareness of issues regarding end-of-life decisions
3. Sensitivity to medical-legal issues



4. Knowledge of information technology/computer resources available



General Surgery Team 1 – PGY 4: Breast, Endocrine, HPB, Colorectal, and Basic Trauma Care

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents should be introduced to:

1. Supervision of complete perioperative care
2. Resident is expected to be proficient at:
 - a. Right and left hemicolectomy
 - b. Low anterior resection and APR
 - c. Laparoscopic and open colectomies
 - d. Assisting and performing portions of bariatric, endocrine, and breast procedures
 - e. Basic trauma operations
 - f. Thyroid and parathyroid resections
 - a. Assisting in and performing portions of:
 - i. hepatectomy and hepatic RFA
 - ii. Pancreatectomy both Whipple and distal
 - iii. Surgery of the extrahepatic biliary tree

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should understand:

1. In- and out-patient evaluation and management of pre- and post-operative patients
2. Management of an outpatient surgical practice
3. Coordination of pre and post operative care with subspecialties including gastroenterology, radiation oncology and oncology
4. The evaluation and management of patients with thyroid and parathyroid disorders
5. The staging, surgical management, and adjuvant chemotherapy management of cancers

Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should:



1. Demonstrate commitment to their patients superseding personal self-interests, including readiness to provide bedside and operative care to the patients irrespective of time of day
2. Demonstrate sensitivity to age, gender, and culture of patients and other healthcare professionals

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Critically evaluate published literature regarding the diseases managed on the service and formulate evidenced-based therapeutic plan
2. Analyze the surgical complications on the service, and present that at the Morbidity and Mortality conference in a constructive and educational manner
3. Take considerable initiative in facilitating the learning of junior house staff and medical students

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Collegially interact with the faculty and consult the faculty in formulating and instituting therapeutic plans
2. Effectively counsel the patients, especially with end-of-life issues
3. Provide feedback both constructive and positive to junior house staff and complete formal evaluations

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should demonstrate:

1. Ability to organize the care of the surgical patient in a cost-effective and evidenced-based manner



2. Appropriately recruit other specialists and healthcare professionals to optimize efficiency of care of surgical patient



General Surgery Team 1 – PGY 5: Breast, Endocrine, HPB, Colorectal, and Basic Trauma Care

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents should be introduced to:

1. Advanced laparoscopic surgery (ex: Inguinal, Ventral Hernias, Gastric bypass/banding, Nissen, paraoesophageal hernia repair)
2. Complex open general surgical procedures including trauma laparotomies, hepatobiliary procedures, bariatric procedures, and endocrine procedures.
3. Resident is expected to be proficient at:
 - a. Right and left colectomy, small bowel resection
 - b. Supervision of complete pre and postoperative care
 - c. Inguinal, ventral and umbilical hernia repairs
 - d. Evaluation and operative management of benign and malignant breast masses
 - e. Laparoscopic and open cholecystectomies
 - f. General bariatric procedures including open and laparoscopic procedures.
4. Demonstrate clearly improved operative skills throughout the rotation, with a focus on pre-operative planning, operative exposure, operative decision making, and excellent technical skills.
5. Perform as the operating surgeon for major cases and as a teaching assistant to junior residents for minor cases.
6. The PGY-5 is responsible for overseeing postoperative care for all patients on the in-patient service.
7. The PGY-5 is responsible for guiding the preoperative assessment and workup of all patients with general surgery needs.
8. The PGY-5 should evaluate all consults and determine whether operative care or medical care is necessary for their team.
9. The PGY-5 should demonstrate the ability to manage and run a complex general surgical team.

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should understand:



1. Must have advanced knowledge of the presentation of core diseases and conditions of the abdomen and alimentary tract as according to the SCORE Curriculum
2. Must demonstrate the medical understanding in order to recognize the need for complex case conference discussion and facilitate this discussion.
3. Must demonstrate the understanding of basic surgical oncology principles in order to facilitate tumor board discussion and management of patients with cancer.
4. Must demonstrate the understanding of basic and advanced trauma care of the injured patient, and display team-based approaches to the trauma patient.

Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should:

1. Demonstrate commitment to their patients superseding personal self-interests, including readiness to provide bedside and operative care to the patients irrespective of time of day
2. Demonstrate sensitivity to age, gender, and culture of patients and other healthcare professionals

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Critically evaluate published literature regarding the diseases managed on the service and formulate evidenced-based therapeutic plan
2. Analyze the surgical complications on the service, and present that at the Morbidity and Mortality conference in a constructive and educational manner
3. Take considerable initiative in facilitating the learning of junior house staff and medical students

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:



1. Collegially interact with the faculty and consult the faculty in formulating and instituting therapeutic plans
2. Effectively counsel the patients, especially with end-of-life issues
3. Provide feedback both constructive and positive to junior house staff and complete formal evaluations

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should demonstrate:

1. Ability to organize the care of the surgical patient in a cost-effective and evidenced-based manner
2. Appropriately recruit other specialists and healthcare professionals to optimize efficiency of care of surgical patient



General Surgery Team 1 – PGY 1: Vascular

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents is expected to be introduced to:

1. Common vascular surgical procedures, including percutaneous and open access and exposure of the femoral artery, saphenous vein stripping and ligation, and amputations
2. Resident is expected to be competent at:
 - a. Properly Evaluating acute vascular surgical conditions, including thrombosed graft and ruptured AAA
 - b. Evaluating acute medical and surgical conditions including myocardial infarction, hemorrhagic shock, and respiratory distress
3. Resident is expected to be proficient at:
 - a. Anticoagulation in vascular surgery patients
 - b. Management of femoral artery sheaths

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should understand:

1. The risks and benefits of common vascular surgical procedures, including carotid endarterectomy, abdominal aortic aneurysm repair, and lower extremity bypass
2. The risks and benefits of common endovascular therapies, including the risk of complications related to percutaneous access of the femoral artery
3. The evaluation of femoral artery pseudoaneurysm, groin hematoma, and retroperitoneal bleeding
4. The evaluation of the vascular patient, including carotid duplex, CT scan, PVR's, EKG's, stress tests, preoperative labs, and the pulse exam
5. The indications for and interpretation of vascular imaging studies, including MRA, CT angiography, and conventional angiography

Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.



Objective: To meet the objectives of this rotation, residents should:

1. Be receptive to feedback on performance
2. Be attentive to ethical issues
3. Be involved in end-of-life discussions and decisions
4. Be sensitive to gender, age, race, and cultural issues
5. Demonstrate leadership

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Evaluate published literature in critically acclaimed journals and texts
2. Apply clinical trials data to patient management
3. Participate in academic and clinical discussions
4. Teach medical students
5. Attend conferences

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Interact with patients and their family
2. Interact with Nursing staff and other members of the health care team
3. Interact with OR staff
4. Interact with Attendings
5. Interact with peer and senior house staff

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should demonstrate:

1. Awareness of cost-effective care issues
2. Awareness of issues regarding end-of-life decisions



3. Sensitivity to medical-legal issues
4. Knowledge of information technology/computer resources available

General Surgery Team 1 – PGY 2: Vascular

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate the ability to conduct a focused patient history and physical examination accurately and efficiently for patients with vascular conditions, under the appropriate level of supervision.
2. Demonstrate the ability to recognize life-threatening signs of vascular diseases and indicate when immediate intervention is needed.
3. Demonstrate the ability to perform vascular surgical procedures, under the appropriate level of supervision, including but not limited to:
 - a. Arterial endarterectomies
 - b. Graft revisions
 - c. Venous ablative procedures
 - d. Dialysis access procedures
 - e. Vena caval filter placement
 - f. Catheter-directed embolic procedures
4. Demonstrate the ability to manage complications of common major vascular procedures, including but not limited to:
 - a. Aortic reconstruction
 - b. Carotid endarterectomy
 - c. Lower extremity vascular reconstruction
5. Demonstrate competency when evaluating vascular patients with common complaints, under the appropriate level of supervision.
6. Demonstrate the ability to recognize the indications for surgical and non-surgical interventions for patients with vascular diseases, and discuss the treatment options with patients and their families.
7. Demonstrate the ability to identify, evaluate, and diagnose acute vascular emergencies.

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.



Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate knowledge of the anatomy and physiology of the arterial venous and lymphatic system.
2. Demonstrate knowledge of vascular diseases and their operative treatments, including surgical risks, benefits, and potential complications.
3. Demonstrate knowledge of the quality measures used to improve the care of vascular patients both in the clinical and laboratory settings and be able to apply these measures to current patient care.
4. Develop knowledge in both invasive and noninvasive vascular surgery techniques and how they affect patient care, including recovery time.
5. Demonstrate knowledge of the indications for, the performance of, and the interpretation of abdominal arterial duplex, carotid artery duplex, and upper extremity venous duplex scanning.

Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate an intermediate understanding of patient sensitivity and responsiveness to culture, age, and gender.
2. Display intermediate knowledge in facilitating family meetings when discussing both urgent and non-urgent patient matters.
3. Demonstrate the ability to engage with multidisciplinary teams to coordinate care for patients.
4. Demonstrate high levels of respect and accountability for both patients and families.
5. Demonstrate a commitment to patient privacy and ensure it is maintained throughout all points in patient care.

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate the progressive ability to receive feedback from both attending physicians and senior residents.
2. Effectively serve as a role model for medical students and first-year residents.
3. Demonstrate self-awareness by identifying one's own strengths and areas of improvement.



4. Consistently attend various educational sessions, conferences, and journal clubs to better deepen one's knowledge in surgical principles.
5. Demonstrate the progressive ability to incorporate feedback into daily clinical practice to improve patient care.

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Develop effective communication channels with all members of the health care team.
2. Display a progressive ability to educate both patients and families on various medical conditions, complications, and potential risks.
3. Demonstrate intermediate leadership skills when working on a multidisciplinary team or with health care professionals.
4. Demonstrate reliability by documenting all medical records properly and legibly.
5. Demonstrate the ability to answer questions from the patient and their family, while receiving assistance from the supervising physician when necessary.

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate the ability to coordinate patient care with other relevant specialties effectively.
2. Display knowledge of different specialties and hospital services and the role each play in patient care.
3. Demonstrate effective teamwork skills by working with the multidisciplinary team to coordinate a patient's discharge.
4. Serve as a resource for medical students and first-year residents to help navigate the health care system.
5. Demonstrate the ability to identify errors in the system and work to formulate plans to improve the health care system.



General Surgery Team 1 – PGY 3: Vascular

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents is expected to be introduced to:

1. Techniques and principles of vascular anastomosis
2. Techniques of endovascular surgery, including angiography, percutaneous transluminal angioplasty, stenting, and aortic stent grafting
3. Resident is expected to be competent at:
 - a. Evaluating acute vascular surgical conditions, including thrombosed graft and ruptured AAA
 - b. Evaluating acute medical and surgical conditions including myocardial infarction, hemorrhagic shock, and respiratory distress
4. Resident is expected to be proficient at:
 - a. Evaluating vascular surgery inpatient and emergency department consults, including assessment of life- and limb-threatening conditions: symptomatic and ruptured AAA, acute thrombosis and embolism of native vessels and bypass grafts, wet and dry gangrene, and compartment syndrome
 - b. The management of vascular surgery patients in the intensive care unit

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should understand:

1. The indications for – and risks and benefits of – common vascular surgical procedures, including carotid endarterectomy, abdominal aortic aneurysm repair, and lower extremity bypass

Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should:

1. Be receptive to feedback on performance
2. Be attentive to ethical issues
3. Be involved in end-of-life discussions and decisions
4. Be sensitive to gender, age, race, and cultural issues



5. Demonstrate leadership

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Evaluate published literature in critically acclaimed journals and texts
2. Apply clinical trials data to patient management
3. Participate in academic and clinical discussions
4. Teach medical students
5. Attend conferences

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Interact with patients and their family
2. Interact with Nursing staff and other members of the health care team
3. Interact with OR staff
4. Interact with Attendings
5. Interact with peer and senior house staff

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should demonstrate:

1. Awareness of cost-effective care issues
2. Awareness of issues regarding end-of-life decisions
3. Sensitivity to medical-legal issues
4. Knowledge of information technology/computer resources available



General Surgery Team 1 – PGY 4: Vascular

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents is expected to be introduced to:

1. Techniques of abdominal aortic stent grafting and the currently available grafts
2. Common thoracic aortic procedures, including the evaluation and repair of thoracoabdominal aortic aneurysm
3. Simple endovascular procedures, including angiography, percutaneous transluminal angioplasty, and stenting
4. Resident is expected to be competent at:
 - a. Common vascular surgical procedures, including aortic aneurysmorrhaphy, carotid endarterectomy, and lower extremity bypass
5. Resident is expected to be proficient at:
 - a. The interpretation of preoperative studies including Duplex, PVRs, CT angiogram, MRA, and conventional angiogram, and the subsequent planning for appropriate operative intervention
 - b. Common vascular surgical procedures, including lower extremity amputations, femoral arterial exposure, and saphenous vein harvest

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should understand:

1. The evaluation and management of common vascular surgical conditions encountered in the outpatient or office setting
2. Non-interventional methods of following the bypass conduit for the management of peripheral vascular disease

Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should:

1. Be receptive to feedback on performance
2. Be attentive to ethical issues



3. Be involved in end-of-life discussions and decisions
4. Be sensitive to gender, age, race, and cultural issues
5. Demonstrate leadership

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Evaluate published literature in critically acclaimed journals and texts
2. Apply clinical trials data to patient management
3. Participate in academic and clinical discussions
4. Teach medical students
5. Attend conferences

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Interact with patients and their family
2. Interact with Nursing staff and other members of the health care team
3. Interact with OR staff
4. Interact with Attendings
5. Interact with peer and senior house staff

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should demonstrate:

1. Awareness of cost-effective care issues
2. Awareness of issues regarding end-of-life decisions
3. Sensitivity to medical-legal issues
4. Knowledge of information technology/computer resources available



General Surgery Team 1 – PGY 5: Vascular

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents is expected to be introduced to:

1. The PGY-5 resident will understand and drive the preoperative, operative, and post operative care of the vascular surgery patient.
2. Oversees and directs the care of a team-based approach to the care of the vascular surgery patient.
3. The resident should assume responsibility, in concert with attending for the care of all patients with vascular surgery needs
4. The resident will assume responsibility for knowing the daily progress and plans of all patients on the service and work with the other residents on service.
5. The PGY-5 resident will function as the supervising resident for the junior and mid-level residents on service. The junior and mid-level residents may evaluate initial consults and appropriately triage them to the vascular attending or PGY-5 resident as appropriate.
6. The PGY-5 is responsible for knowing and appropriately triaging tasks and events of the patients on service.
7. Under appropriate supervision, perform basic surgical procedure such as:
 - a. Balloon angioplasty and stenting of lower extremity arteries
 - b. Carotid endarterectomy
 - c. Catheter-based arteriography Femoropopliteal and femorodistal bypass
 - d. Endovascular AAA Repair Open AAA Repair, retroperitoneal and trans-abdominal techniques of abdominal aortic stent grafting and the currently available grafts

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should understand:

1. The resident should be able to perform a detailed preoperative assessment of comorbid conditions in patients undergoing major vascular procedures to include the need for cardiac evaluation, interpretation of common cardiac function tests (EKG, perfusion scans, and other stress tests) and be able to utilize this information to plan the safest procedure with appropriate monitoring.
2. The resident should interpret and correctly utilize vascular noninvasive tests including carotid duplex ultrasonography and venous duplex ultrasonography.



3. The resident should demonstrate detailed knowledge about the angiographic anatomy of the upper and lower extremities, the abdominal aorta and its branches, the brachiocephalic vessels and their branches, the extracranial cervical arteries, and the major intracranial branches of the carotid arteries.
4. The resident should understand the natural history of common vascular problems including but not limited to asymptomatic aneurysms, asymptomatic carotid stenosis, transient ischemic attacks, asymptomatic renal artery stenosis, intermittent claudication, rest pain, and tissue loss.
5. The resident should be able to demonstrate detailed knowledge about the etiology, diagnosis, and treatment of the diabetic foot.
6. The resident should demonstrate knowledge about the indications and outcomes for common vascular operations and endovascular procedures.

Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should:

1. Demonstrate commitment to their patients superseding personal self-interests, including readiness to provide bedside and operative care to the patients irrespective of time of day
2. Demonstrate sensitivity to age, gender, and culture of patients and other healthcare professionals

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Critically evaluate published literature regarding the diseases managed on the service and formulate evidenced-based therapeutic plan
2. Analyze the surgical complications on the service, and present that at the Morbidity and Mortality conference in a constructive and educational manner
3. Take considerable initiative in facilitating the learning of junior house staff and medical students

Interpersonal and Communication Skills



**TidalHealth
General Surgery Residency Program
Rotation Goals and Objectives**

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Collegially interact with the faculty and consult the faculty in formulating and instituting therapeutic plans
2. Effectively counsel the patients, especially with end-of-life issues
3. Provide feedback both constructive and positive to junior house staff and complete formal evaluations

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should demonstrate:

1. Ability to organize the care of the surgical patient in a cost-effective and evidenced-based manner
2. Appropriately recruit other specialists and healthcare professionals to optimize efficiency of care of surgical patient



General Surgery Team 1 – PGY 1: Bariatric

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents are expected to:

1. Show that they are able to gather accurate and relevant information using medical interviewing, physical examination, appropriate diagnostic workup, and use of information technology
2. Be able to synthesize and apply information in the clinical setting to make informed recommendations about preventive, diagnostic and therapeutic options, based on clinical judgement, scientific evidence, and patient preferences
3. Be able to prescribe, perform, and interpret surgical procedures for this rotation, including
 - a. Camera management and assistance for bariatric surgery
4. Resident is expected to be competent at the following procedure for this level:
 - a. Camera management and assistance for bariatric surgery

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should understand:

1. Residents must demonstrate knowledge and application of the pathophysiology and epidemiology of the diseases listed below for this rotation, with the pertinent clinical and laboratory findings, differential diagnosis and therapeutic options including preventive measures, and procedural knowledge
2. All residents are expected to understand:
 - a. Normal physiology and anatomy of the GI tract
 - b. Physiology of Morbid Obesity
 - c. Impact of Co-Morbidities
 - d. Principles of Surgical management of obesity Restriction, Malabsorption
 - e. Post-Surgical anatomy
 - f. Complications of bariatric surgery Post operative, long term
3. All residents are expected to understand the disease-based learning objectives:
 - a. Indications for bariatric surgery
 - b. Contra-indications for specific procedures
 - c. Sleep Apnea



- d. Pulmonary hypertension
- e. DVT risk management
- f. Diagnosis and management of anastomotic leak
- g. Diagnosis and management of gastric band slippage
- h. Diagnosis and management of internal hernia and bowel obstruction

Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should:

1. Be receptive to feedback on performance
2. Be attentive to ethical issues
3. Be involved in end-of-life discussions and decisions
4. Be sensitive to gender, age, race, and cultural issues
5. Demonstrate leadership

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Evaluate published literature in critically acclaimed journals and texts
2. Apply clinical trials data to patient management
3. Participate in academic and clinical discussions
4. Teach medical students
5. Attend conferences

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Interact with patients and their family
2. Interact with Nursing staff and other members of the health care team
3. Interact with OR staff
4. Interact with Attendings
5. Interact with peer and senior house staff



Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should demonstrate:

1. Awareness of cost-effective care issues
2. Awareness of issues regarding end-of-life decisions
3. Sensitivity to medical-legal issues
4. Knowledge of information technology/computer resources available



General Surgery Team 1 – PGY 2: Bariatric

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents are expected to:

1. Mastery of basic instrumentation and suturing skills (laparoscopic and open).
2. Introduction to basic laparoscopic procedures such as cholecystectomy and diagnostic laparoscopy.
3. Introduction to advanced laparoscopic skills including but not limited to suturing, hemostatic techniques, and dissection with such procedures as fundoplication, solid organ and bariatrics.
4. Be able to perform basic inguinal and ventral/incisional herniorrhaphy.
5. Be able to set up the equipment and initiate a laparoscopic procedure.
6. Performs upper GI endoscopy in both outpatient and intra-operative settings.

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should understand:

1. Development of a base of knowledge in pathophysiology and treatment options for general surgical diseases with an emphasis on gastrointestinal disorders such as: achalasia, GERD, and paraesophageal hernia, and their impact on choice of bariatric procedures.
2. Be able to diagnose symptomatic cholecystitis, GERD, and morbid obesity and discuss the operative indications, alternatives, and controversies.
3. Development of basic skills in interpreting patient history, physical examination and diagnostic testing of these diseases.
4. Introduction to interpretation of radiologic studies such as GI fluoroscopy and CT scans.
} Interpretation of foregut diagnostic studies including but not limited to esophageal motility, pH studies and Gastric emptying studies.
5. Improve knowledge of the anatomy of the anterior abdominal wall with respect to access and proper port placement for exploration and access to the abdominal contents.

Professionalism



Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should:

1. Be receptive to feedback on performance
2. Be attentive to ethical issues
3. Be involved in end-of-life discussions and decisions
4. Be sensitive to gender, age, race, and cultural issues
5. Demonstrate leadership

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Evaluate published literature in critically acclaimed journals and texts
2. Apply clinical trials data to patient management
3. Participate in academic and clinical discussions
4. Teach medical students
5. Attend conferences

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Interact with patients and their family
2. Interact with Nursing staff and other members of the health care team
3. Interact with OR staff
4. Interact with Attendings
5. Interact with peer and senior house staff

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.



Objective: To meet the objectives of this rotation, residents should demonstrate:

1. Awareness of cost-effective care issues
2. Awareness of issues regarding end-of-life decisions
3. Sensitivity to medical-legal issues
4. Knowledge of information technology/computer resources available



General Surgery Team 1 – PGY 3: Bariatric

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents are expected to:

1. Mastery of basic laparoscopic skills such as blunt and sharp dissection, advanced hemostasis devices, and laparoscopic clip application.
2. Introduction to choice of bariatric operations and approaches for each type of operation available in bariatric surgery.
3. Introduction to advanced laparoscopic skills including staplers and use of advanced energy devices.
4. Participate in complex primary and revisional bariatric procedures

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should understand:

1. Introduction to the work-up and surgical management of achalasia, GERD, and paraesophageal hernia, and bariatric procedures.
2. Recognize the short and long-term post-operative complications of bariatric surgical patients.
3. Mastery of the work-up of the bariatric surgical patient.
4. Participate in the evaluation of the bariatric patient for primary and revisional surgery.

Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should:

1. Be receptive to feedback on performance
2. Be attentive to ethical issues
3. Be involved in end-of-life discussions and decisions
4. Be sensitive to gender, age, race, and cultural issues
5. Demonstrate leadership



Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Evaluate published literature in critically acclaimed journals and texts
2. Apply clinical trials data to patient management
3. Participate in academic and clinical discussions
4. Teach medical students
5. Attend conferences

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Interact with patients and their family
2. Interact with Nursing staff and other members of the health care team
3. Interact with OR staff
4. Interact with Attendings
5. Interact with peer and senior house staff

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should demonstrate:

1. Awareness of cost-effective care issues
2. Awareness of issues regarding end-of-life decisions
3. Sensitivity to medical-legal issues
4. Knowledge of information technology/computer resources available



General Surgery Team 1 – PGY 4: Bariatric

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents are expected to:

1. Residents will understand the is preoperative surgical decision making, as many of these operations are performed to improve quality of life.
2. They will gain an understanding on how to take an effective surgical patient history to determine if the operative intervention being considered would be helpful to the patient.
3. They will gain an in-depth understanding and the tools necessary to establish a trusting relationship with patients and families.
4. They will gain expertise in the preoperative workup, intraoperative decision making, and postoperative care of this patient population.
5. They will also gain expertise in working effectively as a team member in the inpatient and outpatient setting to maximize efficient care for patients.
6. They will get significant insight into managing pain in patients with significant preoperative narcotic exposure.

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should understand:

1. Residents will have an understanding of the management of bariatric patients, including the need for preoperative counseling, nutrition requirements, and lifestyle modifications.
2. Residents will understand complex bariatric concepts such as choice of procedure, its effects on patient weight loss and metabolic effects.
3. Understand the complex theories for weight loss and their implications for choice of operations and choice of patients.
4. In addition, the resident will be expected to understand the intraoperative decision making necessary for safe performance of bariatric procedures.
5. Obtain an in-depth understanding of preoperative and postoperative care of the bariatric surgical patient.

Professionalism



Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should:

1. Demonstrate commitment to their patients superseding personal self-interests, including readiness to provide bedside and operative care to the patients irrespective of time of day
2. Demonstrate sensitivity to age, gender, and culture of patients and other healthcare professionals

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Critically evaluate published literature regarding the diseases managed on the service and formulate evidenced-based therapeutic plan
2. Analyze the surgical complications on the service, and present that at the Morbidity and Mortality conference in a constructive and educational manner
3. Take considerable initiative in facilitating the learning of junior house staff and medical students

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Collegially interact with the faculty and consult the faculty in formulating and instituting therapeutic plans
2. Effectively counsel the patients, especially with end-of-life issues
3. Provide feedback both constructive and positive to junior house staff and complete formal evaluations

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.



Objective: To meet the objectives of this rotation, residents should demonstrate:

1. Ability to organize the care of the surgical patient in a cost-effective and evidenced-based manner
2. Appropriately recruit other specialists and healthcare professionals to optimize efficiency of care of surgical patient



General Surgery Team 1 – PGY 5: Bariatric

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents are expected to:

1. The PGY-5 resident will understand and drive the preoperative, operative, and post operative care of the bariatric surgery patient.
2. Oversees and directs the care of a team-based approach to the care of the bariatric surgery patient.
3. The resident should assume responsibility, in concert with attending for the care of all patients with bariatric surgery needs
4. The resident will assume responsibility for knowing the daily progress and plans of all patients on the service and work with the other residents on service.
5. The PGY-5 resident will function as the supervising resident for the junior and mid-level residents on service. The junior and mid-level residents may evaluate initial consults and appropriately triage them to the vascular attending or PGY-5 resident as appropriate.
6. The PGY-5 is responsible for knowing and appropriately triaging tasks and events of the patients on service.

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should understand:

1. Mastery of surgical pathophysiology and critical care, pharmacology, physiology, and interpretation of hemodynamic data and their application in bariatric surgery.
2. Familiarity with basic surgical literature and extensive areas of basic surgical diseases in bariatric surgery.
3. Competence in advanced laparoscopic procedures such as laparoscopic knot tying skills, completion of anastomosis and suturing skills.
4. Knowledge of metabolic disorders associated with obesity and their effects after bariatric surgery.

Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.



Objective: To meet the objectives of this rotation, residents should:

1. Demonstrate commitment to their patients superseding personal self-interests, including readiness to provide bedside and operative care to the patients irrespective of time of day
2. Demonstrate sensitivity to age, gender, and culture of patients and other healthcare professionals

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Critically evaluate published literature regarding the diseases managed on the service and formulate evidenced-based therapeutic plan
2. Analyze the surgical complications on the service, and present that at the Morbidity and Mortality conference in a constructive and educational manner
3. Take considerable initiative in facilitating the learning of junior house staff and medical students

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Collegially interact with the faculty and consult the faculty in formulating and instituting therapeutic plans
2. Effectively counsel the patients, especially with end-of-life issues
3. Provide feedback both constructive and positive to junior house staff and complete formal evaluations

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should demonstrate:



1. Ability to organize the care of the surgical patient in a cost-effective and evidenced-based manner
2. Appropriately recruit other specialists and healthcare professionals to optimize efficiency of care of surgical patient



General Surgery Team 2 – PGY 1: General, Breast, Endocrine, Colorectal

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents should be able to:

1. The resident is expected to be introduced to:
 - a. Partial mastectomies
 - b. Interpretation of mammograms
 - c. Sentinel node biopsies
2. The resident is expected to be competent at:
 - a. Wound closure
 - b. Excision of superficial neoplasms
3. The resident is expected to be proficient at:
 - a. Recognition and management of post op hypocalcemia in total thyroidectomy patients
 - b. Recognition and treatment of post op neck hematoma
4. Demonstrate the ability to perform appendectomies, cholecystectomies (open and laparoscopic), hernia repairs, and other general surgical cases including breast, endocrine
5. Resident is expected to be proficient at:
 - a. Phlebotomy
 - b. Peripheral IV-line placement
 - c. Nasogastric tube placement
 - d. Foley catheter insertion

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should understand:

1. Risk factors, incidence, and natural history of breast cancer
2. Recognition of injury and management of recurrent nerve injuries/paresis
3. Basic Science principles (ex: metabolism, wound healing)
4. Surgical Oncology principles (ex: breast cancer)



5. General Medicine principles (ex: infectious disease)
6. Radiographic studies: indications and interpretation
7. Work-up of nipple discharge and understand appropriate operative intervention
8. The evaluation of a general surgical patient who presents to the emergency room
9. Pathophysiology of common general surgical diseases (ex: cholecystitis, bowel obstruction, hernia, peptic ulcer disease, lipoma)
10. General Surgery principles (ex: acute cholecystitis, breast procedures)
11. GI Surgery principles (ex: perforated ulcer)

Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should:

1. Be receptive to feedback on performance
2. Be attentive to ethical issues
3. Be involved in end-of-life discussions and decisions
4. Be sensitive to gender, age, race, and cultural issues
5. Demonstrate leadership

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Evaluate published literature in critically acclaimed journals and texts
2. Apply clinical trials data to patient management
3. Participate in academic and clinical discussions
4. Teach medical students
5. Attend conferences

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Interact with patients and their family
2. Interact with Nursing staff and other members of the health care team



3. Interact with OR staff
4. Interact with Attendings
5. Interact with peer and senior house staff

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should demonstrate:

1. Awareness of cost-effective care issues
2. Awareness of issues regarding end-of-life decisions
3. Sensitivity to medical-legal issues
4. Knowledge of information technology/computer resources available



General Surgery Team 2 – PGY 2: General, Breast, Endocrine, Colorectal

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation:

1. The resident is expected to be introduced to:
 - a. Work-up of thyroid nodule
 - b. Thyroidectomy and parathyroidectomy
 - c. Simple mastectomy and modified radical mastectomy
 - d. Axillary dissection
 - e. Stereotactic guided breast biopsy
 - f. Open and laparoscopic hernia repair
 - g. Basic general and laparoscopic procedures including breast biopsy and cholecystectomies
 - h. Management of the inpatient and emergency department patients presenting with gastrointestinal bleed, abdominal pain, and common general surgery conditions
2. The resident is expected to be competent at:
 - a. Partial mastectomy
 - b. Management of benign and malignant breast lesions
 - c. Sentinel node biopsy for breast cancer
 - d. Breast biopsy
 - e. Management of breast carcinoma
 - f. Management of breast abscess
 - g. Management of hematoma following breast surgery
3. Successful completion of FLS
4. Resident is expected to be proficient at:
 - a. Diagnosis and operative management of inguinal hernia disease and cholecystitis/cholelithiasis
 - b. Central venous access

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should understand:

1. Work-up of palpable breast mass and abnormal mammogram



2. Staging and prognosis of breast cancer
3. Basic Science principles
4. Surgical Oncology principles (HPB, Breast, etc..)
5. General Medicine principles
6. Radiographic studies: indications and interpretation
7. Pre- and post-operative evaluation of patients with gallbladder disease, hernia, and small bowel pathology
8. General Surgery principles (ex: acute abdomen)
9. Pathophysiology of common general surgical diseases (i.e., Cholecystitis, bowel obstruction, hernia, peptic ulcer disease, lipoma)
10. Pharmacologic principles (ex: antibiotic management)

Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should:

1. Be receptive to feedback on performance
2. Be attentive to ethical issues
3. Be involved in end-of-life discussions and decisions
4. Be sensitive to gender, age, race, and cultural issues
5. Demonstrate leadership

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Evaluate published literature in critically acclaimed journals and texts
2. Apply clinical trials data to patient management
3. Participate in academic and clinical discussions
4. Teach medical students
5. Attend conferences

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.



Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Interact with patients and their family
2. Interact with Nursing staff and other members of the health care team
3. Interact with OR staff
4. Interact with Attendings
5. Interact with peer and senior house staff

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should demonstrate:

1. Awareness of cost-effective care issues
2. Awareness of issues regarding end-of-life decisions
3. Sensitivity to medical-legal issues
4. Knowledge of information technology/computer resources available



General Surgery Team 2 – PGY 3: General, Breast, Endocrine, Colorectal

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents should be able to:

1. The resident is expected to be introduced to:
 - a. Splenectomy, adrenalectomy, and major abdominal surgery
2. The resident is expected to be competent at:
 - a. Thyroid lobectomy, total thyroidectomy
 - b. Parathyroidectomy
 - c. Mastectomy and axillary node dissection
 - d. Management of surgical emergencies, including hypocalcemia, surgical airway, evacuation of neck hematoma
3. The resident is expected to be proficient at:
 - a. Sentinel node biopsy for breast cancer
4. Advanced laparoscopic techniques, including intracorporeal suturing
5. Open general surgical procedures (ex. exploratory laparotomy) and breast procedures (ex. lumpectomy, SLNB), parts of advanced endocrine surgery
6. Resident is expected to be proficient at:
 - a. Inguinal and umbilical hernia repairs
 - b. Laparoscopic and open cholecystectomies
7. Assisting with thyroid and parathyroid resections

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should understand:

1. Types, characteristics, natural history and prognosis of thyroid cancers
2. The principles of post operative management and treatment of regimens of adult oncologic patients
3. The differential diagnosis and management of adults with neoplasms of the breast, skin, soft tissue, stomach, retroperitoneum, thyroid, colon/rectum, liver and pancreas
4. Managing inpatient consults for abdominal pain and gastrointestinal bleeding
5. Diagnosis and operative management of inguinal hernia disease and cholecystitis/cholelithiasis



6. The indications and contraindications for laparoscopic surgery in patients with diseases of the gallbladder, appendix, and surgical diseases of the spleen
7. Assessment of surgical emergencies including acute abdomen

Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should:

1. Be receptive to feedback on performance
2. Be attentive to ethical issues
3. Be involved in end-of-life discussions and decisions
4. Be sensitive to gender, age, race, and cultural issues
5. Demonstrate leadership

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Evaluate published literature in critically acclaimed journals and texts
2. Apply clinical trials data to patient management
3. Participate in academic and clinical discussions
4. Teach medical students
5. Attend conferences

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Interact with patients and their family
2. Interact with Nursing staff and other members of the health care team
3. Interact with OR staff
4. Interact with Attendings
5. Interact with peer and senior house staff



Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should demonstrate:

1. Awareness of cost-effective care issues
2. Awareness of issues regarding end-of-life decisions
3. Sensitivity to medical-legal issues
4. Knowledge of information technology/computer resources available



General Surgery Team 2 – PGY 4: General, Breast, Endocrine, Colorectal

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents should be able to:

2. The resident is expected to be introduced to:
 - a. Pre-op work up and post-op management (pathway) of adrenalectomy, bowel resection, thyroid, parathyroid
 - b. The work-up and management of a patient with malignant and benign breast pathology
3. The resident is expected to be competent at:
 - a. Laparoscopic and open adrenalectomy
 - b. Parathyroidectomy and thyroidectomy
 - c. Laparoscopic and open splenectomy
 - d. Surgery for the benign and malignant breast disease

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should understand:

1. The evaluation and management of patients with thyroid and parathyroid disorders
2. The staging, surgical management, and adjuvant chemotherapy management of cancers
3. In- and out-patient evaluation and management of pre- and post-operative patients
4. Management of an outpatient surgical practice

Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should:

1. Demonstrate commitment to their patients superseding personal self-interests, including readiness to provide bedside and operative care to the patients irrespective of time of day
2. Demonstrate sensitivity to age, gender, and culture of patients and other healthcare professionals



Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Critically evaluate published literature regarding the diseases managed on the service and formulate evidenced-based therapeutic plan
2. Analyze the surgical complications on the service, and present that at the Morbidity and Mortality conference in a constructive and educational manner
3. Take considerable initiative in facilitating the learning of junior house staff and medical students

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Collegially interact with the faculty and consult the faculty in formulating and instituting therapeutic plans
2. Effectively counsel the patients, especially with end-of-life issues
3. Provide feedback both constructive and positive to junior house staff and complete formal evaluations

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should demonstrate:

1. Ability to organize the care of the surgical patient in a cost-effective and evidenced-based manner
2. Appropriately recruit other specialists and healthcare professionals to optimize efficiency of care of surgical patient



General Surgery Team 2 – PGY 5: General, Breast, Endocrine, Colorectal

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Advanced laparoscopic surgery (ex: Inguinal, Ventral Hernias, Gastric bypass/banding, Nissen, paraoesophageal hernia repair)
2. Complex open general surgical procedures including trauma laparotomies, hepatobiliary procedures, bariatric procedures, and endocrine procedures.
3. Resident is expected to be proficient at:
 - g. Right and left colectomy, small bowel resection
 - h. Supervision of complete pre and postoperative care
 - i. Inguinal, ventral, and umbilical hernia repairs
 - j. Evaluation and operative management of benign and malignant breast masses
 - k. Laparoscopic and open cholecystectomies
 - l. Lumpectomy, mastectomy, sentinel lymph node biopsy.
 - m. Thyroid and parathyroidectomy
4. Demonstrate clearly improved operative skills throughout the rotation, with a focus on pre-operative planning, operative exposure, operative decision making, and excellent technical skills.
5. Perform as the operating surgeon for major cases and as a teaching assistant to junior residents for minor cases.
6. The PGY-5 is responsible for overseeing postoperative care for all patients on the in-patient service.
7. The PGY-5 is responsible for guiding the preoperative assessment and workup of all patients with general surgery needs.
8. The PGY-5 should evaluate all consults and determine whether operative care or medical care is necessary for their team.
9. The PGY-5 should demonstrate the ability to manage and run a complex general surgical team.

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should understand:



1. Must have advanced knowledge of the presentation of core diseases and conditions of the abdomen and alimentary tract as according to the SCORE Curriculum
2. Must demonstrate the medical understanding to recognize the need for complex case conference discussion and facilitate this discussion.
3. Must demonstrate the understanding of basic surgical oncology principles to facilitate tumor board discussion and management of patients with cancer.
4. Must demonstrate the understanding of basic and advanced care of the patient with emergent and elective conditions of general surgery.

Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should:

3. Demonstrate commitment to their patients superseding personal self-interests, including readiness to provide bedside and operative care to the patients irrespective of time of day
4. Demonstrate sensitivity to age, gender, and culture of patients and other healthcare professionals

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

4. Critically evaluate published literature regarding the diseases managed on the service and formulate evidenced-based therapeutic plan
5. Analyze the surgical complications on the service, and present that at the Morbidity and Mortality conference in a constructive and educational manner
6. Take considerable initiative in facilitating the learning of junior house staff and medical students

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:



4. Collegially interact with the faculty and consult the faculty in formulating and instituting therapeutic plans
5. Effectively counsel the patients, especially with end-of-life issues
6. Provide feedback both constructive and positive to junior house staff and complete formal evaluations

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should demonstrate:

10. Ability to organize the care of the surgical patient in a cost-effective and evidenced-based manner
11. Appropriately recruit other specialists and healthcare professionals to optimize efficiency of care of surgical patient



General Surgery Team 3 – PGY 1: Cardiothoracic

GME Program: General Surgery **PGY Level:** PGY-1 **Rotation Name:** Thoracic Surgery

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents should be introduced to:

1. Opening and closing of thoracotomy incisions, management of common thoracic conditions such as pneumothorax, lung tumors, and empyema. This will also include some basic cardiac surgery principles including management of cardiac surgery patients.
2. Resident is expected to be competent at:
 - a. Properly inserting chest tubes
 - b. Evaluation of chest radiographs and chest CTs during the preoperative work-up and post-operative management of thoracic surgery patients
3. Resident is expected to be proficient at:
 - a. Managing common post-operative dysrhythmias in thoracic surgery patients such as atrial fibrillation and SVT
 - b. Peri-operative management of thoracic surgery patients, understanding the need for aggressive pulmonary toilet, chest physiotherapy, and optimal pain control
 - c. Bronchoscopy, VATS, wedge resections, and decortications
 - d. Properly removing chest tubes

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should understand:

1. Pre-operative evaluation of patients prior to lung resection (ex: PFTs, cardiopulmonary risk evaluation)
2. Evaluation of patients with lung masses
3. Basic Science principles (ex: metabolism, wound healing)
4. Radiographic studies: indications and interpretation

Professionalism



TidalHealth
General Surgery Residency Program
Rotation Goals and Objectives

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should:

1. Be receptive to feedback on performance
2. Be attentive to ethical issues
3. Be involved in end-of-life discussions and decisions
4. Be sensitive to gender, age, race, and cultural issues
5. Demonstrate leadership

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Evaluate published literature in critically acclaimed journals and texts
2. Apply clinical trials data to patient management
3. Participate in academic and clinical discussions
4. Teach medical students
5. Attend conferences

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Interact with patients and their family
2. Interact with Nursing staff and other members of the health care team
3. Interact with OR staff
4. Interact with Attendings
5. Interact with peer and senior house staff

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.



Objective: To meet the objectives of this rotation, residents should demonstrate:

1. Awareness of cost-effective care issues
2. Awareness of issues regarding end-of-life decisions
3. Sensitivity to medical-legal issues
4. Knowledge of information technology/computer resources available



General Surgery Team 3 – PGY 2: Cardiothoracic

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents should be introduced to:

1. Perform an appropriate relevant history and physical exam in the ambulatory and emergency department settings.
2. Arrive at a management plan for the disease process, including differential diagnosis.
3. Order appropriate laboratory, radiological, and other diagnostic procedures; demonstrate proper interpretation of the results
4. Formulate a plan of management, demonstrating knowledge in the operative and non-operative management of the disease process.

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should understand:

1. Anatomy, embryology, physiology and pathology of the trachea, lungs, esophagus, pleura, and mediastinum.
2. The natural history of treated and untreated diseases, including lung and esophageal cancer, emphysema/COPD, interstitial lung diseases, esophageal dysmotility, and Barretts esophagitis, pleural effusions/empyema, emphysema, and pneumothorax.
3. Understand common postoperative care issues in the thoracic surgery patient, including pain management, exercise expectations/limitations, need for home oxygen, and indications for a rehab facility.
4. The technology, interpretation and complications of invasive and noninvasive diagnostic methods, including CT and MRI scanning, respiratory function tests, PET scan, and echocardiography, ABGs, ventilation-perfusion tests, MVO₂ studies, and esophageal manometry studies.

Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.



Objective: To meet the objectives of this rotation, residents should:

1. Be receptive to feedback on performance
2. Be attentive to ethical issues
3. Be involved in end-of-life discussions and decisions
4. Be sensitive to gender, age, race, and cultural issues
5. Demonstrate leadership

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Evaluate published literature in critically acclaimed journals and texts
2. Apply clinical trials data to patient management
3. Participate in academic and clinical discussions
4. Teach medical students
5. Attend conferences

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Interact with patients and their family
2. Interact with Nursing staff and other members of the health care team
3. Interact with OR staff
4. Interact with Attendings
5. Interact with peer and senior house staff

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should demonstrate:

1. Awareness of cost-effective care issues



2. Awareness of issues regarding end-of-life decisions
3. Sensitivity to medical-legal issues
4. Knowledge of information technology/computer resources available



General Surgery Team 3 – PGY 3: Cardiothoracic

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents should be introduced to:

1. Complex thoracoscopic procedures and major pulmonary resections
2. Complex thoracoscopic procedures and major pulmonary resections
3. Resident is expected to be competent at:
 - a. Complex thoracoscopic procedures and major pulmonary resections
 - b. Multiple types of lung resections including lobectomies, segmentectomies, pneumonectomies, and sleeve resections
4. Resident is expected to be proficient at:
 - a. Bronchoscopy, VATS, wedge resections, and decortications
 - b. Anatomical lobe resections
 - c. Basics of cardiac surgery

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should understand:

1. Management of thoracic surgery emergencies such as tracheoinominate fistulas, esophageal perforations, and pulmonary artery injuries
2. Appropriate surgical management of patients with lung cancer based on preoperative imaging studies and staging
3. The principles of photodynamic therapy

Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should:

1. Demonstrate commitment to their patients superseding personal self-interests, including readiness to provide bedside and operative care to the patients irrespective of time of day



2. Demonstrate sensitivity to age, gender, and culture of patients and other healthcare professionals

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Critically evaluate published literature regarding the diseases managed on the service and formulate evidenced-based therapeutic plan
2. Analyze the surgical complications on the service, and present that at the Morbidity and Mortality conference in a constructive and educational manner
3. Take considerable initiative in facilitating the learning of junior house staff and medical students

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Collegially interact with the faculty and consult the faculty in formulating and instituting therapeutic plans
2. Effectively counsel the patients, especially with end-of-life issues
3. Provide feedback both constructive and positive to junior house staff and complete formal evaluations

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should demonstrate:

1. Ability to organize the care of the surgical patient in a cost-effective and evidenced-based manner
2. Appropriately recruit other specialists and healthcare professionals to optimize efficiency of care of surgical patient



General Surgery Team 3 – PGY 4: Cardiothoracic

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate the comprehensive ability perform both common and complex thoracic surgical procedures, under minimal supervision, including but not limited to:
 - a. Pulmonary resections (wedge, lobectomy, pneumonectomy)
 - b. Open and VATS approaches
 - c. Mediastinoscopy
 - d. Bronchoscopy
 - e. Esophagoscopy
 - f. Lung resections
 - g. Rib resections
 - h. Mediastinotomies
 - i. Esophagectomy
 - j. Tube thoracostomy
 - k. Thoracentesis
 - l. Pleurodesis
2. Demonstrate the ability to perform pre- and post-operative management for common and complex thoracic surgical conditions.
3. Demonstrate the advanced ability to effectively order and evaluate laboratory and diagnostic studies to diagnosis and treat both common and uncommon thoracic diseases, including but not limited to:
 - a. CT Scans
 - b. MRI
 - c. Nuclear Medicine Imaging
 - d. Plain Radiograms
4. Demonstrate the ability to effectively gather patient history through a history examination, focusing on previous thoracic conditions.
5. Demonstrate the ability to actively develop a differential diagnosis for patients with thoracic conditions, and formulate an effective care plan appropriate for each patient.
6. Demonstrate the advanced ability to evaluate and manage thoracic diseases and recognize when surgical intervention is needed, including but not limited to:
 - a. Thoracic trauma
 - b. Aortic aneurysms
 - c. Dissections
 - d. Cardiac arrhythmias

7. Demonstrate the ability to utilize and manage various pharmacotherapeutics associated with thoracic surgery.

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate comprehensive knowledge of the genetic and lifestyle factors that directly or indirectly affect the development of thoracic diseases.
2. Demonstrate knowledge of the evaluation and management of areas of the thorax, including but not limited to:
 - a. Neck
 - b. Esophagus
 - c. Nerves
 - d. Mediastinum
 - e. Bony thorax
 - f. Diaphragm
 - g. Vessels
 - h. Trachea/lungs
 - i. Heart
3. Demonstrate a comprehensive understanding of the various signs and symptoms of thoracic diseases and their appropriate treatment options, including but not limited to:
 - a. Pulmonary malignancies (primary and metastatic)
 - b. Pulmonary infections (fungal, bacterial)/empyema
 - c. Tumors of the mediastinum, pleura, and chest wall
 - d. Aneurysmal disease of thoracic aorta
 - e. Esophageal cancer and benign tumors
 - f. Benign conditions of the esophagus (spasm, achalasia, diverticula)
 - g. Spontaneous pneumothorax
 - h. Benign and malignant pleural effusions
4. Demonstrate an advanced understanding of the history of thoracic diseases and the management of risk factors.
5. Demonstrate a comprehensive understanding of the surgical steps of common and complex thoracic surgical procedures and be able to recognize complications that may arise.
6. Demonstrate a fundamental understanding of the aspects of thoracic surgical procedures, such as:
 - a. All aspects of lung and esophageal function



- b. Anesthesia issues during lung resection and single-lung ventilation
- c. Intraoperative decision-making – i.e., how much lung to resect, how to reconstruct GI tract
- d. Lung preservation during transplantation
- e. Ventilatory support in the postoperative period

Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Proficiently demonstrate sensitivity and responsiveness to a diverse patient population, including diversity in age, gender, culture, race, religion, sexual orientation, and disabilities.
2. Demonstrate respect for patient privacy and autonomy.
3. Demonstrate a commitment to one's patients superseding personal self-interests, including providing bedside patient care and operative care to the patient.
4. Proficiently carry out administrative responsibilities.
5. Demonstrate the proficient ability to apply time management principles to be accountable to patients and other health care professionals.

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate the proficient ability to utilize journal articles and available information technology to master surgical principles.
2. Demonstrate mastery in educating patients, families, medical students, and junior residents during the rotation.
3. Proficiently incorporate formative evaluation feedback into daily practice.
4. Demonstrate mastery in identifying teachable moments and be able to respectfully engage the learner.
5. Demonstrate the skills to identify trends and patterns in patient care and use sources to understand these patterns.

Interpersonal and Communication Skills



Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate proficiency in interacting and communicating with patients, families, nurses, physicians, and other health care professionals.
2. Demonstrate competency in developing and maintaining therapeutic relationships with patients by using effective listening skills and feedback.
3. Demonstrate mastery in gathering and documenting patient information accurately and completely.
4. Demonstrate the ability to always manage the patient's confidential information and medical records according to HIPAA standards.
5. Proficiently answer the patient's and their family's questions and demonstrate effective behaviors when communicating bad news.

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate mastery when applying cost-effective care when ordering tests and planning interventions.
2. Proficiently recognize when other specialists and health care professionals are needed to optimize the efficiency of care.
3. Actively participate in groups or teams designed to reduce errors and improve health outcomes.
4. Proficiently understand the different health insurance plans and how each may affect the treatment plan for patients.
5. Demonstrate the ability to proficiently report problems with processes or technology that may lead to medical errors.



General Surgery Team 3 – PGY 5: Cardiothoracic

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents should be introduced to:

1. The PGY-5 resident will understand and drive the preoperative, operative, and post operative care of the cardiothoracic surgery patient.
2. Oversees and directs the care of a team-based approach to the care of the cardiothoracic surgery patient.
3. Recognizes the normal and abnormal anatomy of the chest wall.
4. Performs a variety of surgical incisions to expose components of the chest wall and interior thoracic organs.
5. Understands and chooses the correct plan of treatment for the variety of thoracic surgical patient diagnosis and treatment algorithms.
6. Reads and interprets pulmonary function studies, ventilation/perfusion scans, pulmonary arteriograms and arterial blood gases, and correlates the results with operability
7. Applies knowledge of thoracic anatomy to the physical examination of the chest, heart, and vascular tree
8. Uses knowledge of chest, pulmonary, and cardiac physiology to interpret tests involving the thoracic cavity and to understand and treat diseases of the chest and its contents
9. Reads and interprets plain radiography, CT scans, magnetic resonance imaging, and PET scanning of the chest.

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should understand:

1. Understands the anatomy and physiology of the cutaneous, muscular, and bony components of the chest wall and their anatomic and physiologic relationships to adjacent structures
2. Knows various operative approaches to the chest wall.
3. Understands the arterial, venous and bronchial anatomy of the lungs and their inter-relationships
4. Understands the lymphatic anatomy of the lungs, the major lymphatic nodal stations, and lymphatic drainage routes of the lung segments



5. Knows the indications for different thoracic incisions, the surgical anatomy encountered, and the physiological impact
6. Knows the indications for plain radiography, CT scan, magnetic resonance imaging, and PET scanning for staging of lung cancer
7. Knows the indications, interpretation, and use of nuclear medicine ventilation /perfusion scanning (V/Q scan) to determine the operability of candidates for pulmonary resection
8. Understands the methods of invasive staging (e.g., endobronchial ultrasound (EBUS) mediastinoscopy, Chamberlain procedure, scalene node biopsy, thoracoscopy)
9. Knows how to interpret pulmonary function tests.

Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should:

1. Demonstrate commitment to their patients superseding personal self-interests, including readiness to provide bedside and operative care to the patients irrespective of time of day
2. Demonstrate sensitivity to age, gender, and culture of patients and other healthcare professionals

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Critically evaluate published literature regarding the diseases managed on the service and formulate evidenced-based therapeutic plan
2. Analyze the surgical complications on the service, and present that at the Morbidity and Mortality conference in a constructive and educational manner
3. Take considerable initiative in facilitating the learning of junior house staff and medical students

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.



Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Collegially interact with the faculty and consult the faculty in formulating and instituting therapeutic plans
2. Effectively counsel the patients, especially with end-of-life issues
3. Provide feedback both constructive and positive to junior house staff and complete formal evaluations

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should demonstrate:

1. Ability to organize the care of the surgical patient in a cost-effective and evidenced-based manner
2. Appropriately recruit other specialists and healthcare professionals to optimize efficiency of care of surgical patient



General Surgery Team 3 – PGY 1: Skin and Soft Tissue (Plastics)

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents are expected to be introduced to:

1. Both simple and complex plastic surgical procedures
2. Managing complex wounds that require tissue transfer for repair
3. Managing hand/forearm and facial injuries
4. Resident is expected to be proficient at simple wound closure

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should understand:

1. Principles of cosmetic wound closure
2. To learn the basics of wound care management and healing
3. To participate in the care of plastic surgery patients
4. To develop hand-eye coordination appropriate for plastic surgical suture techniques

Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should:

1. Be receptive to feedback on performance
2. Be attentive to ethical issues
3. Be involved in end-of-life discussions and decisions
4. Be sensitive to gender, age, race, and cultural issues
5. Demonstrate leadership

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.



Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Evaluate published literature in critically acclaimed journals and texts
2. Apply clinical trials data to patient management
3. Participate in academic and clinical discussions
4. Teach medical students
5. Attend conferences

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Interact with patients and their family
2. Interact with Nursing staff and other members of the health care team
3. Interact with OR staff
4. Interact with Attendings
5. Interact with peer and senior house staff

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should demonstrate:

1. Awareness of cost-effective care issues
2. Awareness of issues regarding end-of-life decisions
3. Sensitivity to medical-legal issues
4. Knowledge of information technology/computer resources available



General Surgery Team 3 – PGY 2: Skin and Soft Tissue (Plastics)

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents are expected to be introduced to:

1. Performs basic plastic surgery procedures such as wound preparation and closure, laceration repair, management of hand injuries and infections, and debridement of pressure ulcers.
2. Assists in flap harvest as well as closure of donor site.
3. Provides appropriate, timely, initial consultation for patients in the emergency department, inpatient locations, and the intraoperative setting.
4. Coordinates care between different services within Plastic Surgery and outside of Plastic Surgery

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should understand:

1. Understands the different fields of plastic surgery: hand surgery, microsurgery, breast reconstruction, craniofacial surgery, pediatric plastic surgery, aesthetic surgery, acute burn care and burn reconstruction, body contouring, breast reconstruction, lower extremity reconstruction, management of facial trauma, management of skin cancers, and management of difficult, complex, and chronic wounds.
2. Describes the pathophysiology of chronic, complex, and difficult wounds.
3. Discusses the appropriate levels of the reconstructive ladder for the repair of complex wounds.
4. Understands the principles of tissue perfusion, flap physiology and monitoring, and wound healing.

Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should:

1. Be receptive to feedback on performance
2. Be attentive to ethical issues



3. Be involved in end-of-life discussions and decisions
4. Be sensitive to gender, age, race, and cultural issues
5. Demonstrate leadership

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Evaluate published literature in critically acclaimed journals and texts
2. Apply clinical trials data to patient management
3. Participate in academic and clinical discussions
4. Teach medical students
5. Attend conferences

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Interact with patients and their family
2. Interact with Nursing staff and other members of the health care team
3. Interact with OR staff
4. Interact with Attendings
5. Interact with peer and senior house staff

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should demonstrate:

1. Awareness of cost-effective care issues
2. Awareness of issues regarding end-of-life decisions
3. Sensitivity to medical-legal issues
4. Knowledge of information technology/computer resources available



General Surgery Team 3 – PGY 3: Skin and Soft Tissue (Plastics)

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents are expected to be introduced to:

1. Carefully and respectfully communicates with other consultants.
2. Diligently works to provide efficient care, with patient safety and efficacious outcomes as the primary goals.
3. Educates patients and families about plastic surgery procedures and the disease processes that plastic surgeons treat.
4. Performs impeccable sign-out to the on-call resident of all issues regarding the in-patient and consult services, to provide a seamless transition of care to the on-call team.
5. Collaborates with nursing staff, social workers, case managers, therapists, chaplains, and other care providers to deliver care that facilitates post-operative recovery and discharge.
6. Establishes appropriate follow-up for all patients who have had surgery or who may need surgery.
7. Understands how to delegate patient care tasks to other team members.
8. Responds favorably when patient care tasks are delegated to the house officer.
9. 15. Recognizes when to involve superior members of the surgical team, for all urgent medical, surgical, social, psychological, and logistical issues

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should understand:

1. Correctly uses perioperative medications to treat infections, thromboembolic disease, pain, and hemodynamic abnormalities.
2. Understands the impact of chronic and acute diseases, such as diabetes, COPD, adrenal insufficiency, coronary artery disease, hypertension, renal dysfunction, and hepatic dysfunction, on the plastic surgery patient.
3. Discusses multiple treatment options for patients seen in the Emergency Department and in the inpatient setting.
4. Describes appropriate follow-up for patients seen in the Emergency Department and in the inpatient setting.



5. Understands the etiology of complex wounds: congenital, traumatic, oncologic, acquired, functional, infectious.
6. Explains preventive measures to decrease the incidence of complex wound

Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should:

1. Be receptive to feedback on performance
2. Be attentive to ethical issues
3. Be involved in end-of-life discussions and decisions
4. Be sensitive to gender, age, race, and cultural issues
5. Demonstrate leadership

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Evaluate published literature in critically acclaimed journals and texts
2. Apply clinical trials data to patient management
3. Participate in academic and clinical discussions
4. Teach medical students
5. Attend conferences

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Interact with patients and their family
2. Interact with Nursing staff and other members of the health care team
3. Interact with OR staff
4. Interact with Attendings
5. Interact with peer and senior house staff



Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should demonstrate:

1. Awareness of cost-effective care issues
2. Awareness of issues regarding end-of-life decisions
3. Sensitivity to medical-legal issues
4. Knowledge of information technology/computer resources available



General Surgery Team 3 – PGY 4: Skin and Soft Tissue (Plastics)

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents are expected to:

1. Performs reconstructive surgery on the trunk, breast, and abdomen with increasing independence and surgical responsibility.
2. Participates in treatment of patients with malignancy of the trunk, thorax and abdominal wall.
3. Participates in surgical and nonsurgical management of pressure sores including: a. etiology and staging b. prevention c. nonsurgical considerations and management, including patient compliance d. pressure sore surgery utilizing local flaps, muscle and myocutaneous flaps, and distant flaps e. complications of surgery f. rehabilitation
4. Participates in the full spectrum of reconstructive surgery after breast carcinoma, including procedures on the opposite breast; participates in long-term treatment and follow-up of these patients.

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should understand:

1. Discusses the evaluation, diagnosis, and surgical care of the breast mass.
2. Describes the evaluation of non-palpable breast abnormalities
3. Discusses the appropriate use of mammography, ultrasound, fine needle aspiration, and stereotactic biopsies
4. Discusses the preoperative staging of breast cancer.
5. Recites the use of preoperative chemotherapy and radiation therapy for breast cancer.

Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should:

1. Demonstrate commitment to their patients superseding personal self-interests, including readiness to provide bedside and operative care to the patients irrespective of time of day



2. Demonstrate sensitivity to age, gender, and culture of patients and other healthcare professionals

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Critically evaluate published literature regarding the diseases managed on the service and formulate evidenced-based therapeutic plan
2. Analyze the surgical complications on the service, and present that at the Morbidity and Mortality conference in a constructive and educational manner
3. Take considerable initiative in facilitating the learning of junior house staff and medical students

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Collegially interact with the faculty and consult the faculty in formulating and instituting therapeutic plans
2. Effectively counsel the patients, especially with end-of-life issues
3. Provide feedback both constructive and positive to junior house staff and complete formal evaluations

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should demonstrate:

1. Ability to organize the care of the surgical patient in a cost-effective and evidenced-based manner
2. Appropriately recruit other specialists and healthcare professionals to optimize efficiency of care of surgical patient



General Surgery Team 3 – PGY 5: Skin and Soft Tissue (Plastics)

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents are expected to:

1. Participates in the full spectrum of reconstructive surgery after breast carcinoma, including procedures on the opposite breast; participates in long-term treatment and follow-up of these patients.
2. Evaluates and treats patients with premalignant diseases of the breast, including prophylactic mastectomy in selected patients.
3. Evaluates and surgically treats patients with gynecomastia. 9. Participates in breast reconstruction following mastectomy, including: a. tissue expanders b. implants c. flaps d. nipple reconstruction e. other procedures including tattooing f. management of contralateral breast.
4. Participates in the evaluation and treatment of patients with post-surgical breast deformities.

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should understand:

1. Describes the indication for operative management of breast disease, and selection of appropriate surgical procedures.
2. Discusses the adjuvant treatment regimens and indications for their use in breast cancer.
3. Describes the treatment of advanced breast cancer.
4. Recites the screening for breast cancer.
5. Discusses the genetic predisposition to breast cancer and indications for prophylactic mastectomy.
6. The performance of advanced plastic surgery procedures

Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should:



1. Demonstrate commitment to their patients superseding personal self-interests, including readiness to provide bedside and operative care to the patients irrespective of time of day
2. Demonstrate sensitivity to age, gender, and culture of patients and other healthcare professionals

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Critically evaluate published literature regarding the diseases managed on the service and formulate evidenced-based therapeutic plan
2. Analyze the surgical complications on the service, and present that at the Morbidity and Mortality conference in a constructive and educational manner
3. Take considerable initiative in facilitating the learning of junior house staff and medical students

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Collegially interact with the faculty and consult the faculty in formulating and instituting therapeutic plans
2. Effectively counsel the patients, especially with end-of-life issues
3. Provide feedback both constructive and positive to junior house staff and complete formal evaluations

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should demonstrate:

1. Ability to organize the care of the surgical patient in a cost-effective and evidenced-based manner



2. Appropriately recruit other specialists and healthcare professionals to optimize efficiency of care of surgical patient



General Surgery Team 4 – PGY 1: Nanticoke: General, Breast, Bariatrics

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Develop the basic ability to elicit a history and physical examination to develop a differential diagnosis, under direct supervision of the attending physician.
2. Demonstrate the ability to utilize basic surgical skills including knot typing, simple suturing, suture removal, and airway management, under direct supervision of the attending physician.
3. Demonstrate the ability to manage patients pre- and post-operatively, including reporting any changes in the patient's condition to the attending physician.
4. Develop the ability to perform common procedures, under direct supervision of the attending physician, including but not limited to:
 - a. Venipuncture
 - b. Arterial puncture
 - c. Incision and drainage
 - d. IV placement
 - e. Urinary catheter
 - f. Nasogastric tube
 - g. Minor skin excisions
5. Demonstrate the ability to work directly with each patient's care team to effectively coordinate discharge planning.
6. Develop the skills to order and interpret common laboratory and diagnostic tests to accurately determine the procedure that is best to address the patient's condition, including but not limited to:
 - a. Coagulation studies
 - b. CT scan
 - c. MRI
 - d. X-ray
 - e. Ultrasound
7. Demonstrate the ability to recognize and manage common post-operative problems in common general surgery cases.
8. Demonstrate the ability to manage patients with benign and malignant breast diseases, under direct supervision.

Medical Knowledge



Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate knowledge of the common pharmacology and anesthetics used pre-, intra-, and post-operatively.
2. Demonstrate an understanding of the indications of common post-operative complications and appropriately manage patients with these complications, including but not limited to:
 - a. Fever
 - b. Bleeding
 - c. Hypertension
 - d. Oliguria
3. Demonstrate basic knowledge of the pathophysiology of common surgical diseases and conditions.
4. Demonstrate a basic understanding of the risks, benefits, indications, contraindications, and limitations of common surgical procedures and be able to educate the patient and their family on these.
5. Demonstrate a basic understanding of ventilator management.

Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate a high level of respect and compassion when working with patients and their families.
2. Continuously monitor and actively respond to all pages within a timely manner.
3. Demonstrate accountability, awareness, and respect for all members of the medical staff (i.e. attending physicians, peer residents, nurses, technicians).
4. Demonstrate the ability to address the patient's needs, and put the patient's needs before one's self.
5. Understand and safe guard patient confidentiality and protect patient information.

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.



Objective: To meet the objectives of this rotation, residents should be able to:

1. Attend and actively participate in various didactic sessions, including Journal Clubs, Morbidity and Mortality (M&M) conferences, grand rounds, and basic science conferences.
2. Display a high level of self-awareness by identifying gaps in learning and taking part in self-learning and self-improvement.
3. Remain up-to-date on published literature to better understand the current landscape of general surgery practices.
4. Demonstrate the ability to incorporate feedback into daily clinical practice.
5. Routinely attend and actively participate in root cause analysis projects to further one's knowledge.

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Maintain active listening skills to better understand the patient's and family's needs.
2. Perform detailed and effective face-to-face handoffs with members of the healthcare team.
3. Present clear and concise thoughts at presentations and conferences to develop communication and leadership skills.
4. Demonstrate the ability to effectively dictate and document clinical work in the patient's medical record.
5. Respect all religious beliefs, sexual orientations, and ethical and moral beliefs of the patient, their family, and other health care professionals.

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Take an active role in addressing quality-improvement issues within the hospital and/or health system.
2. Display basic knowledge of the various health payment systems and insurance coverages.
3. Demonstrate an understanding of the physician's role within the healthcare system.



4. Understand, monitor, and adhere to all work hour regulations and practice effective time management skills.
5. Demonstrate an understanding of the patient discharge process and be able to effectively plan follow-up care after the patient's discharge.



General Surgery Team 4 – PGY 2: Nanticoke: General, Breast, Bariatrics

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents should be introduced to:

1. Open and laparoscopic bariatric surgery
2. Open and laparoscopic hernia repair
3. Successful completion of FLS
4. Basic general and laparoscopic procedures including breast biopsy, and cholecystectomies
5. Management of the inpatient and emergency department patients presenting with gastrointestinal bleed, abdominal pain, thoracic and various surgical problems which may require a bedside procedure
6. Resident is expected to be proficient at:
 - a. Diagnosis and operative management of inguinal hernia disease and cholecystitis/cholelithiasis
 - b. Central venous access
 - c. Basic breast operations

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should understand:

1. Pre- and post-operative evaluation of patients with gallbladder disease, hernia, and small bowel pathology
2. Pre-operative evaluation and post-operative care of bariatric surgery patients
3. Basic Science principles (ex: metabolism, wound healing)
4. General Surgery principles (ex: acute abdomen)
5. Pathophysiology of common general surgical diseases (i.e., Cholecystitis, bowel obstruction, hernia, peptic ulcer disease, lipoma)
6. General Medicine principles (ex: infectious disease)
7. Pharmacologic principles (ex: antibiotic management)
8. Radiographic studies: indications and interpretation



Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should:

6. Be receptive to feedback on performance
7. Be attentive to ethical issues
8. Be involved in end-of-life discussions and decisions
9. Be sensitive to gender, age, race, and cultural issues
10. Demonstrate leadership

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

6. Evaluate published literature in critically acclaimed journals and texts
7. Apply clinical trials data to patient management
8. Participate in academic and clinical discussions
9. Teach medical students
10. Attend conferences

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

6. Interact with patients and their family
7. Interact with Nursing staff and other members of the health care team
8. Interact with OR staff
9. Interact with Attendings
10. Interact with peer and senior house staff

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.



Objective: To meet the objectives of this rotation, residents should demonstrate:

5. Awareness of cost-effective care issues
6. Awareness of issues regarding end-of-life decisions
7. Sensitivity to medical-legal issues
8. Knowledge of information technology/computer resources available



General Surgery Team 4 – PGY 3: Nanticoke: General, Breast, Bariatrics

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents should be introduced to:

5. Advanced laparoscopic techniques, including intracorporeal suturing
6. Open general surgical procedures (ex. exploratory laparotomy) and breast procedures (ex. lumpectomy, SLNB), parts of advanced endocrine and trauma surgery
7. Resident is expected to be proficient at:
 - a. Inguinal and umbilical hernia repairs
 - b. Laparoscopic and open cholecystectomies
 - c. Assisting with bariatric and general surgical complex procedures

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should understand:

7. Managing inpatient consults for abdominal pain and gastrointestinal bleeding
8. Diagnosis and operative management of inguinal hernia disease and cholecystitis/cholelithiasis
9. The indications and contraindications for laparoscopic surgery in patients with diseases of the gallbladder, appendix, and surgical diseases of the spleen
10. Assessment of surgical emergencies including acute abdomen

Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should:

6. Be receptive to feedback on performance
7. Be attentive to ethical issues
8. Be involved in end-of-life discussions and decisions
9. Be sensitive to gender, age, race, and cultural issues
10. Demonstrate leadership



Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

6. Evaluate published literature in critically acclaimed journals and texts
7. Apply clinical trials data to patient management
8. Participate in academic and clinical discussions
9. Teach medical students
10. Attend conferences

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

6. Interact with patients and their family
7. Interact with Nursing staff and other members of the health care team
8. Interact with OR staff
9. Interact with Attendings
10. Interact with peer and senior house staff

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should demonstrate:

5. Awareness of cost-effective care issues
6. Awareness of issues regarding end-of-life decisions
7. Sensitivity to medical-legal issues
8. Knowledge of information technology/computer resources available



General Surgery Team 4 – PGY 4: Nanticoke: General, Breast, Bariatrics

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents should be introduced to:

3. Supervision of complete perioperative care
4. Resident is expected to be proficient at:
 - g. Right and left hemicolectomy
 - h. Low anterior resection and APR
 - i. Laparoscopic and open colectomies
 - j. Assisting and performing portions of bariatric and breast procedures
 - k. Basic general surgical operations

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should understand:

6. In- and out-patient evaluation and management of pre- and post-operative patients
7. Management of an outpatient surgical practice
8. Coordination of pre and post operative care with subspecialties including gastroenterology, radiation oncology and oncology

Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should:

3. Demonstrate commitment to their patients superseding personal self-interests, including readiness to provide bedside and operative care to the patients irrespective of time of day
4. Demonstrate sensitivity to age, gender, and culture of patients and other healthcare professionals

Practice-Based Learning and Improvement



Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

4. Critically evaluate published literature regarding the diseases managed on the service and formulate evidenced-based therapeutic plan
5. Analyze the surgical complications on the service, and present that at the Morbidity and Mortality conference in a constructive and educational manner
6. Take considerable initiative in facilitating the learning of junior house staff and medical students

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

4. Collegially interact with the faculty and consult the faculty in formulating and instituting therapeutic plans
5. Effectively counsel the patients, especially with end-of-life issues
6. Provide feedback both constructive and positive to junior house staff and complete formal evaluations

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should demonstrate:

3. Ability to organize the care of the surgical patient in a cost-effective and evidenced-based manner
4. Appropriately recruit other specialists and healthcare professionals to optimize efficiency of care of surgical patient



General Surgery Team 4 – PGY 5: Nanticoke: General, Breast, Bariatrics

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents should be introduced to:

2. Advanced laparoscopic surgery (ex: Inguinal, Ventral Hernias, Gastric bypass/banding, Nissen, paraoesophageal hernia repair)
3. Complex open general surgical procedures including trauma laparotomies, hepatobiliary procedures, bariatric procedures, and endocrine procedures.
4. Resident is expected to be proficient at:
 - a. Right and left colectomy, small bowel resection
 - b. Supervision of complete pre and postoperative care
 - c. Inguinal, ventral and umbilical hernia repairs
 - d. Evaluation and operative management of benign and malignant breast masses
 - e. Laparoscopic and open cholecystectomies
 - f. General bariatric procedures including open and laparoscopic procedures.
5. Demonstrate clearly improved operative skills throughout the rotation, with a focus on pre-operative planning, operative exposure, operative decision making, and excellent technical skills.
6. Perform as the operating surgeon for major cases and as a teaching assistant to junior residents for minor cases.
7. The PGY-5 is responsible for overseeing postoperative care for all patients on the in-patient service.
8. The PGY-5 is responsible for guiding the preoperative assessment and workup of all patients with general surgery needs.
9. The PGY-5 should evaluate all consults and determine whether operative care or medical care is necessary for their team.
10. The PGY-5 should demonstrate the ability to manage and run a complex general surgical team.

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should understand:



1. Must have advanced knowledge of the presentation of core diseases and conditions of the abdomen and alimentary tract as according to the SCORE Curriculum
2. Must demonstrate the medical understanding to recognize the need for complex case conference discussion and facilitate this discussion.
3. Must demonstrate the understanding of basic surgical oncology principles to facilitate tumor board discussion and management of patients with cancer.

Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should:

1. Demonstrate commitment to their patients superseding personal self-interests, including readiness to provide bedside and operative care to the patients irrespective of time of day
2. Demonstrate sensitivity to age, gender, and culture of patients and other healthcare professionals

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

4. Critically evaluate published literature regarding the diseases managed on the service and formulate evidenced-based therapeutic plan
5. Analyze the surgical complications on the service, and present that at the Morbidity and Mortality conference in a constructive and educational manner
6. Take considerable initiative in facilitating the learning of junior house staff and medical students

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

4. Collegially interact with the faculty and consult the faculty in formulating and instituting therapeutic plans
5. Effectively counsel the patients, especially with end-of-life issues



6. Provide feedback both constructive and positive to junior house staff and complete formal evaluations

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should demonstrate:

3. Ability to organize the care of the surgical patient in a cost-effective and evidenced-based manner
4. Appropriately recruit other specialists and healthcare professionals to optimize efficiency of care of surgical patient



Surgical Critical Care – PGY 2

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents are expected to be introduced to:

1. Management of complex critically ill surgical patients including a systems-based approach in management of critical care patients
2. Management of ventilators and associated complications such as ARDS and ventilatory associated pneumonia
3. Percutaneous tracheostomy and gastrostomy tube placement
4. Management of post-operative complications such as pulmonary embolus, surgical bleeding, sepsis, myocardial infarction
5. Performing the following procedures:
 - a. Arterial line/ABG
 - b. IV placement/Phlebotomy
 - c. NG tube placement
 - d. Chest tube placement
 - e. Central Line Placement (Femoral and IJ/SC)

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should understand:

1. The management of critically ill patients, including vasoactive medication and ventilatory management
2. How to interpret and intervene upon readings from Swan Ganz catheters, central lines and arterial lines
3. The management of perioperative intensive care unit patients including fluid resuscitation and antibiotic use
4. Prioritization of patient acuity

Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.



Objective: To meet the objectives of this rotation, residents should:

1. Be receptive to feedback on performance
2. Be attentive to ethical issues
3. Be involved in end-of-life discussions and decisions
4. Be sensitive to gender, age, race, and cultural issues
5. Demonstrate leadership

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Evaluate published literature in critically acclaimed journals and texts
2. Apply clinical trials data to patient management
3. Participate in academic and clinical discussions
4. Teach medical students
5. Attend conferences

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Interact with patients and their family
2. Interact with Nursing staff and other members of the health care team
3. Interact with OR staff
4. Interact with Attendings
5. Interact with peer and senior house staff

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should demonstrate:

1. Awareness of cost-effective care issues
2. Awareness of issues regarding end-of-life decisions



3. Sensitivity to medical-legal issues
4. Knowledge of information technology/computer resources available



Endoscopy – PGY 2

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents are expected to be introduced to:

1. The physical relationship and attachments of these parts of the intestine to adjacent organs must be understood.
2. Pre-procedure evaluation of a patient undergoing endoscopy.
3. The use of peri-procedural sedation, evaluation, and ASA guidelines are to be learned by the resident.
4. The resident must be able to recognize, diagnose, and manage complications of endoscopic procedures, including perforation and hemorrhage.
5. The resident must read and complete the FES curricula:
 - [About - Fundamentals of Endoscopic Surgery \(fesprogram.org\)](http://fesprogram.org)
6. The resident must complete the FES exam by the end of their second year in the program.
7. By the end of the rotation, the resident must demonstrate competency with the use of the gastroscope and upper endoscope.

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should understand:

1. Residents must demonstrate an understanding of anatomy and physiology of the gastrointestinal tract, with particular focus on the esophagus, stomach, duodenum, and the colon.
2. The resident is expected to understand the indications and contraindications for endoscopic procedures, and to be able to choose the safest and most cost-effective procedure for a particular patient or disease process.
3. The physical machinery, optics, and care of flexible and rigid endoscopes must be understood by the resident.

Professionalism



Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should:

1. Be receptive to feedback on performance
2. Be attentive to ethical issues
3. Be involved in end-of-life discussions and decisions
4. Be sensitive to gender, age, race, and cultural issues
5. Demonstrate leadership

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Evaluate published literature in critically acclaimed journals and texts
2. Apply clinical trials data to patient management
3. Participate in academic and clinical discussions
4. Teach medical students
5. Attend conferences

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should demonstrate the ability to:

1. Interact with patients and their family
2. Interact with Nursing staff and other members of the health care team
3. Interact with OR staff
4. Interact with Attendings
5. Interact with peer and senior house staff

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.



Objective: To meet the objectives of this rotation, residents should demonstrate:

1. Awareness of cost-effective care issues
2. Awareness of issues regarding end-of-life decisions
3. Sensitivity to medical-legal issues
4. Knowledge of information technology/computer resources available



Burn – PGY 2

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate the ability to conduct a focused patient history and physical examination accurately and efficiently for patients with burn conditions, under the appropriate level of supervision.
2. Demonstrate the ability to participate in preoperative planning and operative interventions of burn patients.
3. Demonstrate the ability to perform burn surgical procedures, under the appropriate level of supervision, including but not limited to:
 - a. Harvesting and placement of skin grafts
 - b. Selective reconstructive procedures
 - c. Fasciotomies and tracheostomy
 - d. Debridement of wounds
4. Demonstrate the ability to perform airway management for intubation, direct laryngoscopy, fiberoptic, and laryngeal mask airway.
5. Demonstrate competency in various excision and grafting procedures of burns.
6. Demonstrate the ability to participate in long-term follow-up care and management of burns.
7. Demonstrate the ability to assist the multidisciplinary team to determine the need for excision and grafting and performing operations.

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate knowledge of the systemic physiologic changes caused by burn injuries.
2. Demonstrate an understanding of the pre-and post-operative care of burn patients including the ventilatory management.
3. Demonstrate knowledge of the basic principles of physical therapy and rehabilitation including splinting and scar management in relation to burn management.
4. Develop knowledge of the medical management methods of burn shock.
5. Demonstrate knowledge of the evaluation of burn patients including assessing burn size, depth of burn, additional injuries, and need for a surgical incision.



Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate an intermediate understanding of patient sensitivity and responsiveness to culture, age, and gender.
2. Display intermediate knowledge in facilitating family meetings when discussing both urgent and non-urgent patient matters.
3. Demonstrate the ability to engage with multidisciplinary teams to coordinate care for patients.
4. Demonstrate high levels of respect and accountability for both patients and families.
5. Demonstrate a commitment to patient privacy and ensure it is maintained throughout all points in patient care.

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate the progressive ability to receive feedback from both attending physicians and senior residents.
2. Effectively serve as a role model for medical students and first-year residents.
3. Demonstrate self-awareness by identifying one's own strengths and areas of improvement.
4. Consistently attend various educational sessions, conferences, and journal clubs to better deepen one's knowledge in surgical principles.
5. Demonstrate the progressive ability to incorporate feedback into daily clinical practice to improve patient care.

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Develop effective communication channels with all members of the health care team.



2. Display a progressive ability to educate both patients and families on various medical conditions, complications, and potential risks.
3. Demonstrate intermediate leadership skills when working on a multidisciplinary team or with health care professionals.
4. Demonstrate reliability by documenting all medical records properly and legibly.
5. Demonstrate the ability to answer questions from the patient and their family, while receiving assistance from the supervising physician when necessary.

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate the ability to coordinate patient care with other relevant specialties effectively.
2. Display knowledge of different specialties and hospital services and the role each play in patient care.
3. Demonstrate effective teamwork skills by working with the multidisciplinary team to coordinate a patient's discharge.
4. Serve as a resource for medical students and first-year residents to help navigate the health care system.
5. Demonstrate the ability to identify errors in the system and work to formulate plans to improve the health care system.



Trauma – PGY 2

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate the ability to perform an initial assessment and management of a trauma patient, under the appropriate level of supervision.
2. Demonstrate the ability to identify treatment methods and follow-up care for trauma patients, including patients with multiple co-morbidities and high-risk medication regimens.
3. Demonstrate the ability to perform surgical procedures commonly used on the trauma service, under the appropriate level of supervision, including but not limited to:
 - a. Chest tube insertion
 - b. Arterial line insertion
 - c. Wound repair
 - d. Resuscitation
4. Demonstrate the ability to recognize and manage common post-traumatic issues and complications, under the appropriate level of supervision, including but not limited to:
 - a. Hypoxia
 - b. Hypotension
 - c. Altered mental state
 - d. Oliguria
 - e. Fever
5. Demonstrate the ability to apply intra-operative techniques to assess patients with axial and skeletal trauma.
6. Demonstrate the ability to assess, manage, and identify future medical conditions due to trauma injuries, under the appropriate level of supervision.
7. Demonstrate the ability to coordinate care for trauma patients with other specialists such as gynecologists, ophthalmologists, neurologists, otolaryngologists, etc.

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate knowledge of the initial assessment, resuscitation, and stabilization of trauma patients.



2. Demonstrate knowledge of the appropriate level of care needed for various traumatic injuries.
3. Demonstrate an understanding of the anatomy and physiology of the body systems most commonly affected by traumatic injuries, including but not limited to:
 - a. Central nervous system
 - b. Cardiovascular system
 - c. Genitourinary system
 - d. Gastrointestinal system
 - e. Pulmonary system
4. Develop knowledge of the indications, contraindications, complications, and limitations of commonly performed procedures on the trauma service.
5. Demonstrate knowledge of the psychological and psychiatric implications of severe musculoskeletal trauma for patients and their family members.

Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate an intermediate understanding of patient sensitivity and responsiveness to culture, age, and gender.
2. Display intermediate knowledge in facilitating family meetings when discussing both urgent and non-urgent patient matters.
3. Demonstrate the ability to engage with multidisciplinary teams to coordinate care for patients.
4. Demonstrate high levels of respect and accountability for both patients and families.
5. Demonstrate a commitment to patient privacy and ensure it is maintained throughout all points in patient care.

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate the progressive ability to receive feedback from both attending physicians and senior residents.
2. Effectively serve as a role model for medical students and first-year residents.
3. Demonstrate self-awareness by identifying one's own strengths and areas of improvement.



4. Consistently attend various educational sessions, conferences, and journal clubs to better deepen one's knowledge in surgical principles.
5. Demonstrate the progressive ability to incorporate feedback into daily clinical practice to improve patient care.

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Develop effective communication channels with all members of the health care team.
2. Display a progressive ability to educate both patients and families on various medical conditions, complications, and potential risks.
3. Demonstrate intermediate leadership skills when working on a multidisciplinary team or with health care professionals.
4. Demonstrate reliability by documenting all medical records properly and legibly.
5. Demonstrate the ability to answer questions from the patient and their family, while receiving assistance from the supervising physician when necessary.

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate the ability to coordinate patient care with other relevant specialties effectively.
2. Display knowledge of different specialties and hospital services and the role each play in patient care.
3. Demonstrate effective teamwork skills by working with the multidisciplinary team to coordinate a patient's discharge.
4. Serve as a resource for medical students and first-year residents to help navigate the health care system.
5. Demonstrate the ability to identify errors in the system and work to formulate plans to improve the health care system.



Pediatric Surgery – PGY 3

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Develop the skills to evaluate common surgical conditions in the pediatric population through completing a history, physical examination, and appropriate diagnostic tests, under the appropriate level of supervision.
2. Demonstrate the ability to recognize and treat common causes of childhood abdominal pain, including but not limited to:
 - a. Acute appendicitis
 - b. Intussusception
3. Develop the skills to identify the benefits and risks of pediatric surgical procedures based on the patient's condition and discuss these with the supervising physician.
4. Demonstrate the technical skills needed to perform the following procedures, under the appropriate level of supervision:
 - a. Chest tube placement
 - b. Placement of central venous line
5. Demonstrate the ability to perform a preoperative and postoperative evaluation on a pediatric surgery patient, under the appropriate level of supervision.
6. Demonstrate the ability to identify the various causes of fever in the pediatric surgery patient and provide the appropriate management.
7. Demonstrate the ability to recognize when a consultation of another health professional is needed to provide optimal care to the pediatric surgical patient.

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate an understanding of the considerations in the pre- and post-operative care of infants and children with common surgical conditions.
2. Develop knowledge of the diagnosis and treatment for common causes of gastrointestinal hemorrhage in the neonate, infant, child, and adolescent.
3. Demonstrate an understanding of the physiologic differences between the pediatric and adult population.



4. Demonstrate an understanding of the potential infections in surgical pediatric patients and discuss the signs, symptoms, and management with the patient and their family.
5. Demonstrate knowledge of the pharmacology commonly used in pediatric patients and their potential side effects.

Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate professional behaviors when working with patients, families, and health care team members.
2. Demonstrate the progressive ability to accept feedback from attending physicians and senior residents; while understanding one's own limitations.
3. Display an advanced understanding of various cultures, races, and age groups of the patient population.
4. Uphold high ethical standards by ensuring all actions are in the best interest of the patient.
5. Demonstrate respect for all team members and ensure all work is completed within a timely manner.

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Display high levels of self-awareness by continuously identifying areas of improvement and setting learning goals for one's self.
2. Demonstrate the skills to serve as a mentor and role model for medical students and junior residents.
3. Demonstrate intermediate knowledge of various advancing technologies in the field of surgery to incorporate into patient care when appropriate.
4. Regularly read and critically assess published medical literature.
5. Engage with attendings and senior residents to evaluate the health care team's care of the patient.

Interpersonal and Communication Skills



Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate the advanced ability to counsel and educate patients and their families.
2. Demonstrate the ability to present clear and concise surgical and laboratory test findings, without the use of medical jargon, to both patients and their families.
3. Demonstrate a progressive ability to gather patient information to accurately document into the patient's medical record.
4. Respectfully interact with all members of the health care team to ensure high-quality care.
5. Demonstrate the advanced ability to participate in transitions of care/handoffs while role modeling these skills to junior residents.

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate an advanced awareness of the outcomes of surgical care.
2. Demonstrate the ability to identify any system errors and propose potential solutions.
3. Demonstrate the ability to work in various healthcare settings while providing appropriate medical care and expertise.
4. Demonstrate the advanced ability to effectively coordinate specialty consults that include communication of rationale for consult and follow-up consult recommendations.
5. Demonstrate the ability to effectively serve as an integral member of the patient care team to improve patient outcomes.



Transplant – PGY 3

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate the progressive ability to conduct a thorough patient evaluation focusing on the patient's previous conditions and symptoms including renal failure or hepatic transplant.
2. Demonstrate the ability to conduct a precise pre- and post-operative assessment for transplant patients, recognizing normal versus abnormal signs and symptoms.
3. Demonstrate the ability to accurately order and evaluate necessary laboratory and imaging tests relevant to transplant surgery, under the appropriate level of supervision.
4. Demonstrate the skills to develop effective follow-up care plans for patients post-transplant surgery in conjunction with the attending physician and members of the healthcare team.
5. Demonstrate the ability to evaluate patients suspected of organ rejection, under the appropriate level of supervision, including but not limited to:
 - a. Monitoring patients for potential acute and chronic side effects
 - b. Administering immunosuppressive agents
 - c. Ordering and interpreting laboratory and radiologic tests
 - d. Preparing and handling of multiple organ harvest in the brain-dead patient
6. Demonstrate the ability to assist the attending physician during transplant surgical procedures, including but not limited to:
 - a. Liver transplant
 - b. Renal transplant
 - c. Pancreas transplant
 - d. Advanced laparoscopy
 - e. Resection of solid tumors
7. Demonstrate the ability to provide effective postoperative care for transplant patients including managing complications, under the appropriate level of supervision.
8. Demonstrate the ability to counsel and educate transplant patients and their families, including incorporating their needs into the patient care plan.

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.



Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate advanced knowledge of the anatomy and physiology of the liver, kidney, and pancreas.
2. Demonstrate an understanding of the legal and institutional requirements for informed consent for organ donation.
3. Demonstrate knowledge of the donor selection criteria, evaluation of potential organ donors, and multi-organ surgical recovery of organs for transplant.
4. Demonstrate progressive knowledge to correctly dictate criteria necessary for brain death.
5. Display working knowledge of the signs and symptoms of transplant complications and how to effectively treat common complications, including but not limited to:
 - a. Infection
 - b. Rejection
 - c. Delayed graft function
6. Demonstrate an understanding of the commonly used immunosuppressants in clinical transplantation and their potential complications.
7. Demonstrate an understanding of the technical and anatomical details of organ procurement, including the physiological components of preservation.

Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate professional behaviors when working with patients, families, and health care team members.
2. Demonstrate the progressive ability to accept feedback from attending physicians and senior residents; while understanding one's own limitations.
3. Display an advanced understanding of various cultures, races, and age groups of the patient population.
4. Uphold high ethical standards by ensuring all actions are in the best interest of the patient.
5. Demonstrate respect for all team members and ensure all work is completed within a timely manner.

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.



Objective: To meet the objectives of this rotation, residents should be able to:

1. Display high levels of self-awareness by continuously identifying areas of improvement and setting learning goals for one's self.
2. Demonstrate the skills to serve as a mentor and role model for medical students and junior residents.
3. Demonstrate intermediate knowledge of various advancing technologies in the field of surgery to incorporate into patient care when appropriate.
4. Regularly read and critically assess published medical literature.
5. Engage with attendings and senior residents to evaluate the health care team's care of the patient.

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate the advanced ability to counsel and educate patients and their families.
2. Demonstrate the ability to present clear and concise surgical and laboratory test findings, without the use of medical jargon, to both patients and their families.
3. Demonstrate a progressive ability to gather patient information to accurately document into the patient's medical record.
4. Respectfully interact with all members of the health care team to ensure high-quality care.
5. Demonstrate the advanced ability to participate in transitions of care/handoffs while role modeling these skills to junior residents.

Systems-Based Practice

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate an advanced awareness of the outcomes of surgical care.
2. Demonstrate the ability to identify any system errors and propose potential solutions.
3. Demonstrate the ability to work in various healthcare settings while providing appropriate medical care and expertise.
4. Demonstrate the advanced ability to effectively coordinate specialty consults that include communication of rationale for consult and follow-up consult recommendations.



5. Demonstrate the ability to effectively serve as an integral member of the patient care team to improve patient outcomes.

Pediatric Surgery – PGY 4

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate the ability to conduct a comprehensive physical examination on a pediatric patient, focusing on their complaints, to formulate a differential diagnosis.
2. Demonstrate the ability to perform pediatric surgical procedures, under the appropriate level of supervision, including but not limited to:
 - a. Open appendectomy
 - b. Excision of skin and subcutaneous lesions
 - c. Incision and drainage of abscesses
 - d. Head and neck procedures
 - e. Repair of umbilical hernia
 - f. Lymph node biopsy
 - g. Tracheostomy
3. Demonstrate the advanced ability to order and interpret various laboratory and diagnostic studies for pediatric surgical patients, as well as understand the indications, contraindications, and limitations of each.
4. Display mastery in the pre-and post-operative care for pediatric patients and actively manage post-operative complications, including but not limited to:
 - a. Bleeding
 - b. Infection
 - c. Stridor
 - d. Wound dehiscence
5. Demonstrate competency in the management of moderate to serious co-morbidities in the pediatric population.
6. Demonstrate the comprehensive ability to coordinate and manage the care of critically ill and injured pediatric patients, while role-modeling these skills for junior residents.
7. Demonstrate the ability to counsel and educate patients and their families on the risks and benefits of pediatric surgical procedures including the follow-up care that is needed.

Medical Knowledge



Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate an advanced understanding of the complexities of pathophysiology in pediatric illnesses and demonstrate the necessary surgical skills to effectively care for pediatric patients.
2. Demonstrate knowledge of anatomy, physiology, and imaging details of pediatric conditions.
3. Demonstrate a proficient understanding of the common clinical presentations of the following pediatric malignancies:
 - a. Neuroblastoma
 - b. Wilm's Tumor
 - c. Hepatoblastoma
 - d. Rhabdomyosarcoma
4. Demonstrate a comprehensive understanding of the development of pediatric patients in terms of:
 - a. Nutritional requirements
 - b. Renal function
 - c. Hormonal influences on development
 - d. Response to stress and infection
 - e. Weight, length, and head size
5. Demonstrate a comprehensive understanding of the evaluation and treatment options for pediatric patients with the following signs and symptoms:
 - a. Acute abdominal pain
 - b. Chronic abdominal pain
 - c. Constipation
 - d. Rectal bleeding
 - e. Bilious vomiting
 - f. Non-bilious vomiting

Professionalism

Goal: TidalHealth General Surgery residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Proficiently demonstrate sensitivity and responsiveness to a diverse patient population, including diversity in age, gender, culture, race, religion, sexual orientation, and disabilities.



2. Demonstrate respect for patient privacy and autonomy.
3. Demonstrate a commitment to one's patients superseding personal self-interests, including providing bedside patient care and operative care to the patient.
4. Proficiently carry out administrative responsibilities.
5. Demonstrate the proficient ability to apply time management principles to be accountable to patients and other health care professionals.

Practice-Based Learning and Improvement

Goal: TidalHealth General Surgery residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate the proficient ability to utilize journal articles and available information technology to master surgical principles.
2. Demonstrate mastery in educating patients, families, medical students, and junior residents during the rotation.
3. Proficiently incorporate formative evaluation feedback into daily practice.
4. Demonstrate mastery in identifying teachable moments and be able to respectfully engage the learner.
5. Demonstrate the skills to identify trends and patterns in patient care and use sources to understand these patterns.

Interpersonal and Communication Skills

Goal: TidalHealth General Surgery residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate proficiency in interacting and communicating with patients, families, nurses, physicians, and other health care professionals.
2. Demonstrate competency in developing and maintaining therapeutic relationships with patients by using effective listening skills and feedback.
3. Demonstrate mastery in gathering and documenting patient information accurately and completely.
4. Demonstrate the ability to always manage the patient's confidential information and medical records according to HIPAA standards.
5. Proficiently answer the patient's and their family's questions and demonstrate effective behaviors when communicating bad news.

Systems-Based Practice



**TidalHealth
General Surgery Residency Program
Rotation Goals and Objectives**

Goal: TidalHealth General Surgery residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate mastery when applying cost-effective care when ordering tests and planning interventions.
2. Proficiently recognize when other specialists and health care professionals are needed to optimize the efficiency of care.
3. Actively participate in groups or teams designed to reduce errors and improve health outcomes.
4. Proficiently understand the different health insurance plans and how each may affect the treatment plan for patients.
5. Demonstrate the ability to proficiently report problems with processes or technology that may lead to medical errors.



Trauma – PGY 4

Patient Care

Goal: TidalHealth General Surgery residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate the comprehensive ability to perform both common and complex trauma surgical procedures, under minimal supervision, including but not limited to:
 - a. Damage control surgery
 - b. FAST exam
 - c. Cricothyroidotomy
 - d. Emergent thoracotomy
 - e. Exploratory laparotomy for trauma
2. Demonstrate the comprehensive ability to evaluate and manage medical conditions in various systems including injuries in the liver, pancreas, gastrointestinal tract, respiratory and cardiovascular systems, and spleen.
3. Demonstrate the advanced ability to formulate and institute therapeutic plans.
4. Demonstrate the advanced ability to utilize treatment algorithms and rapid evaluation strategies for trauma patients with multiple injuries.
5. Demonstrate the ability to actively apply intra-operative techniques to properly assess multiple injuries.
6. Demonstrate the comprehensive ability to order, interpret, and evaluate laboratory studies and tests used on the trauma service, including but not limited to:
 - a. CT scans
 - b. Urinalysis
 - c. Coagulation studies
 - d. Intracranial pressure monitoring
 - e. Complete blood count
7. Demonstrate the ability to supervise and educate medical students and junior residents on the trauma service.

Medical Knowledge

Goal: TidalHealth General Surgery residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care.

Objective: To meet the objectives of this rotation, residents should be able to:

1. Demonstrate comprehensive knowledge of the indications, contradictions, risks, and benefits of various antibiotics and medications commonly used on the trauma service.



2. Demonstrate a comprehensive understanding of the mechanisms and types of airway injuries and identify their signs, symptoms, and management.
3. Demonstrate knowledge of the management of trauma situations and emergencies and role model these skills for junior residents, including but not limited to:
 - a. Liver failure
 - b. Nutritional failure
 - c. Renal failure
 - d. Hypovolemic shock
 - e. Life threatening surgical infections
 - f. Multiple organ system failure
4. Demonstrate a comprehensive understanding of the various types of internal and external fixation devices and their applications in multiple trauma injury situations.
5. Demonstrate a comprehensive understanding of the treatment protocols for severe soft tissue injuries including but not limited to compartment syndrome and organ failures in polytrauma.

Professionalism

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2. Demonstrate respect for patient privacy and autonomy.
3. Demonstrate a commitment to one's patients superseding personal self-interests, including providing bedside patient care and operative care to the patient.
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