

University of Cincinnati Internal Medicine



Resident Education Curriculum 2016-2017

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Internal Medicine Attending Assessment of Residents

Educational Purpose

During your residency you will develop the tools necessary to become comprehensive internists capable of managing diverse patients with a broad range of diseases. Your training will be tailored to your needs whether you pursue a career in general internal medicine, subspecialty medicine, or academic medicine.

Rotation Objectives

You will find specific objectives for each rotation in this document. *These are representative skills of medicine that you must learn during residency.* Click on the listings in the table of contents to hyperlink to the appropriate section.

These objectives will not be the only things you will learn on each rotation, but they are what you will be measured by. You must review the objectives at the beginning and end of each rotation with your attending physician.

Level of Supervision

You will be supervised by an attending physician for all patients that you encounter. These levels of supervision include:

1. Direct Supervision – the supervising physician will be physically present with you and your patient.
2. Indirect Supervision:
 - a. With direct supervision immediately available – the supervising physician will be physically within the hospital or other site of patient care, and will be immediately available to provide Direct Supervision.
 - b. With direct supervision available – the supervising physician is not physically present within the hospital or other site of patient care, but is immediately available by means of telephonic and/or electronic modalities, and is available to provide Direct Supervision.

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For some aspects of patient care, the supervising physician may be a more advanced resident or fellow.

Assessment Scale

For the specific goals and objectives listed in this document, the basic evaluation unit will be one of Entrustment.

Your attendings will determine what level they trust you to do each skill:

1. You cannot do the skill even with assistance (critical deficiencies)
2. You can do the skill under proactive, ongoing, full supervision
3. You can do the skill reactive supervision, (i.e. supervision is readily available upon request)
4. You can do the skill independently
5. You may act as a supervisor and instructor for the skill

This means that most interns will start with a 2 and progress to 3 on most measures by the end of the year, and most PGY-2/3 residents will start with 3 and progress to 4 on most measures by the end of residency.

To see a video on how this system works, click on the link below:

<https://www.youtube.com/watch?v=t5JVRZrXBbU>

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Rotation: Cardiology Advanced Critical Care

Content Goals and Objectives

1. Interpret basic and advanced EKGs
2. Interpret findings on cardiac imaging studies
3. Interpret pulmonary artery catheter data

Process-Based Goals and Objectives

1. Demonstrate shared decision-making with the patient
2. Recognize the scope of his/her abilities and ask for supervision and assistance appropriately
3. Minimize unnecessary care including tests
4. Use feedback to improve performance
5. Manage the interdisciplinary team
6. Role model effective communication skills in challenging situations
7. Guide and support bedside presentations that engage the patient and focus the discussion around the patient's central concerns
8. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
9. Modify the differential diagnosis and care plan based on clinical course and data as appropriate
10. Choose the appropriate consultative services for a given clinical condition
11. Integrate clinical evidence into decision making
12. Teach physical findings for junior members of the health care team
13. Stabilize patients with urgent or emergent medical conditions and transfer to a higher level of care when necessary
14. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: Congestive Heart Failure

Content Goals and Objectives

1. Construct a treatment plan for patient with heart failure
2. Identify the cause of heart failure exacerbations
3. Identify an S3 on physical exam
4. Identify jugular venous distension on physical exam.
5. Discuss diet restrictions with a patient

Process-Based Goals and Objectives

1. Acquire accurate and relevant history
2. Develop prioritized differential diagnoses
3. Provide accurate, complete, and timely documentation
4. Minimize unnecessary care including tests
5. Integrate clinical evidence into decision making
6. Communicate effectively with the consulting team
7. Use feedback to improve performance
8. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: Cardiology Consults

Content Goals and Objectives

1. Interpret EKGs and use as tool to make management decisions
2. Refer patients for appropriate cardiac imaging
3. Counsel patient on lifestyle modifications for aggressive risk factor modifications
4. Differentiate cardiac versus non-cardiac chest discomfort
5. Manage heart failure
6. Begin initial management plan for basic arrhythmias
7. Interpret cardiac biomarkers

Process-Based Goals and Objectives

1. Acquire accurate and relevant history
2. Perform an accurate physical exam
3. Develop prioritized differential diagnoses
4. Develop an evidence-based diagnostic and therapeutic plan
5. Provide accurate, complete, and timely documentation
6. Minimize unnecessary care including tests
7. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
8. Modify the differential diagnosis and care plan based on clinical course and data as appropriate
9. Integrate clinical evidence into decision making
10. Communicate effectively with the consulting team
11. Use feedback to improve performance
12. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: Cardiology Outpatient

Content Goals and Objectives

6. Interpret EKGs and use as tool to make management decisions
7. Refer patients for appropriate cardiac imaging
8. Counsel patient on lifestyle modifications for aggressive risk factor modifications
9. Differentiate cardiac versus non-cardiac chest discomfort
10. Manage heart failure
11. Begin initial management plan for basic arrhythmias
12. Interpret cardiac biomarkers

Process-Based Goals and Objectives

9. Acquire accurate and relevant history
10. Perform an accurate physical exam
11. Develop prioritized differential diagnoses
12. Develop an evidence-based diagnostic and therapeutic plan
13. Provide accurate, complete, and timely documentation
14. Minimize unnecessary care including tests
15. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
16. Modify the differential diagnosis and care plan based on clinical course and data as appropriate
17. Integrate clinical evidence into decision making
18. Communicate effectively with the consulting team
19. Use feedback to improve performance
20. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: Cardiology 6-South PGY-1

Content Goals and Objectives

1. Demonstrate basic EKG reading skills
2. Refer patients for appropriate cardiac imaging
3. Counsel patient on lifestyle modifications for aggressive risk factor modifications
4. Differentiate cardiac versus non-cardiac chest discomfort
5. Diagnose acute coronary syndrome (unstable Angina, NSTEMI, STEMI)
6. Manage heart failure (acute, chronic, systolic and diastolic)
7. Begin initial management plan for basic arrhythmias

Process-Based Goals and Objectives

8. Perform an accurate physical exam
9. Develop prioritized differential diagnoses
10. Develop an evidence-based diagnostic and therapeutic plan
11. Recognize the scope of his/her abilities and ask for supervision and assistance appropriately
12. Minimize unnecessary care including tests
13. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
14. Integrate clinical evidence into decision making
15. Evaluate complex medical patient in a timely manner
16. Provide appropriate preventive care
17. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: Cardiology 6-South PGY 2-4

Content Goals and Objectives

1. Interpret advanced EKGs and use as tool to make management decisions
2. Refer patients for appropriate cardiac imaging
3. Titrate cardiac medications
4. Manage acute coronary syndrome
5. Manage cardiomyopathy
6. Identify and manage arrhythmias
7. Manage anticoagulant therapy in cardiac patients

Process-Based Goals and Objectives

1. Demonstrate shared decision-making with the patient
2. Recognize the scope of his/her abilities and ask for supervision and assistance appropriately
3. Minimize unnecessary care including tests
4. Use feedback to improve performance
5. Manage the interdisciplinary team
6. Role model effective communication skills in challenging situations
7. Guide and support bedside presentations that engage the patient and focus the discussion around the patient's central concerns
8. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
9. Modify the differential diagnosis and care plan based on clinical course and data as appropriate
10. Choose the appropriate consultative services for a given clinical condition
11. Integrate clinical evidence into decision making
12. Teach physical findings for junior members of the health care team
13. Stabilize patients with urgent or emergent medical conditions and transfer to a higher level of care when necessary
14. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: Cardiovascular ICU

Content Goals and Objectives

1. Interpret basic and advanced EKGs
2. Refer patients for appropriate cardiac imaging
3. Manage acute coronary syndrome
4. Manage arrhythmias
5. Manage inotropes and vasopressor agents in the management of shock and heart failure.
6. Interpret pulmonary artery catheter data
7. Manage anticoagulant therapy in cardiac patients

Process-Based Goals and Objectives

1. Demonstrate shared decision-making with the patient
2. Recognize the scope of his/her abilities and ask for supervision and assistance appropriately
3. Minimize unnecessary care including tests
4. Use feedback to improve performance
5. Manage the interdisciplinary team
6. Role model effective communication skills in challenging situations
7. Guide and support bedside presentations that engage the patient and focus the discussion around the patient's central concerns
8. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
9. Modify the differential diagnosis and care plan based on clinical course and data as appropriate
10. Choose the appropriate consultative services for a given clinical condition
11. Integrate clinical evidence into decision making
12. Teach physical findings for junior members of the health care team
13. Stabilize patients with urgent or emergent medical conditions and transfer to a higher level of care when necessary
14. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: Digestive Diseases Consults

Content Goals and Objectives

1. Initiate a cost effective work-up for iron deficiency anemia
2. Begin initial work-up for gastrointestinal bleeding
3. Recommend GI procedures and imaging
4. Manage diarrhea in a hospitalized patient
5. Initiate investigation of abdominal pain
6. Recommend appropriate route for nutritional supplementation
7. Diagnose inflammatory bowel disease

Process-Based Goals and Objectives

1. Acquire accurate and relevant history
2. Perform an accurate physical exam
3. Develop prioritized differential diagnoses
4. Develop an evidence-based diagnostic and therapeutic plan
5. Provide accurate, complete, and timely documentation
6. Minimize unnecessary care including tests
7. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
8. Modify the differential diagnosis and care plan based on clinical course and data as appropriate
9. Integrate clinical evidence into decision making
10. Communicate effectively with the consulting team
11. Use feedback to improve performance

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Rotation: Digestive Diseases Outpatient

Content Goals and Objectives

1. Take a history specific to gastroenterology

Process-Based Goals and Objectives

1. Perform an accurate physical exam.
2. Develop prioritized differential diagnoses.
3. Develop an evidence-based diagnostic and therapeutic plan.
4. Minimize unnecessary care including tests
5. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: Digestive Diseases Inpatient Wards PGY-1

Content Goals and Objectives

1. Write initial admission orders for gastrointestinal bleeding
2. Write initial admission orders for pancreatitis
3. Initiate investigation of abdominal pain
4. Manage diarrhea
5. Manage common sequelae of cirrhosis
6. Initiate enteral and parenteral nutrition
7. Distinguish between hepatitic, cholestatic, and infiltrative patterns of liver disease
8. Devise a cost-effective approach to the diagnosis of chronically elevated transaminases*
9. Perform paracentesis

Process-Based Goals and Objectives

1. Acquire accurate and relevant history
2. Perform an accurate physical exam
3. Develop prioritized differential diagnoses
4. Develop an evidence-based diagnostic and therapeutic plan
5. Demonstrate accurate medication reconciliation
6. Provide accurate, complete, and timely documentation
7. Identify the appropriate clinical question for consultative services
8. Identify clinical questions as they emerge in patient care activities and access medical information resources
9. Perform bedside presentations that engage the patient and focus the discussion around the patient's central concerns
10. Minimize unfamiliar terms during patient encounters
11. Demonstrate shared decision-making with the patient
12. Use teach-back method with patients regarding medications and plan
13. Communicate with primary care physicians
14. Recognize the scope of his/her abilities and ask for supervision and assistance appropriately
15. Minimize unnecessary care including tests
16. Use feedback to improve performance
17. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: Digestive Diseases Inpatient Wards PGY 2-4

Content Goals and Objectives

1. Manage gastrointestinal bleeding
2. Manage pancreatitis
3. Manage inflammatory bowel disease
4. Manage common sequelae of cirrhosis
5. Manage acute hepatitis
6. Manage post-procedure complications
7. Identify patients who may benefit from liver transplantation
8. Evaluate obstructive jaundice
9. Manage complications of immunosuppressive therapy

Process-Based Goals and Objectives

1. Demonstrate shared decision-making with the patient
2. Recognize the scope of his/her abilities and ask for supervision and assistance appropriately
3. Minimize unnecessary care including tests
4. Use feedback to improve performance
5. Manage the interdisciplinary team
6. Role model effective communication skills in challenging situations
7. Guide and support bedside presentations that engage the patient and focus the discussion around the patient's central concerns
8. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
9. Modify the differential diagnosis and care plan based on clinical course and data as appropriate
10. Choose the appropriate consultative services for a given clinical condition
11. Integrate clinical evidence into decision making
12. Teach physical findings for junior members of the health care team
13. Stabilize patients with urgent or emergent medical conditions and transfer to a higher level of care when necessary
14. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: Liver Consults

Content Goals and Objectives

1. Assess risk factors for acute hepatitis, including the use of herbal and over the counter agents
2. Distinguish between hepatitic, cholestatic, and infiltrative patterns of liver disease
3. Interpret serologic testing for hepatitis A, hepatitis B, and hepatitis C
4. Distinguish between cirrhotic and non-cirrhotic portal hypertension
5. Formulate cost-effective approach to the diagnosis of chronically elevated transaminases
6. Formulate a cost-effective approach to the diagnosis of cholestatic liver disease
7. Identify the salient features of fulminant hepatic failure
8. Identify the indications and contraindications for liver transplantation
9. Manage common sequelae of cirrhosis

Process-Based Goals and Objectives

1. Acquire accurate and relevant history
2. Perform an accurate physical exam
3. Develop prioritized differential diagnoses
4. Develop an evidence-based diagnostic and therapeutic plan
5. Provide accurate, complete, and timely documentation
6. Minimize unnecessary care including tests
7. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
8. Modify the differential diagnosis and care plan based on clinical course and data as appropriate
9. Integrate clinical evidence into decision making
10. Communicate effectively with the consulting team
11. Use feedback to improve performance
12. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: Endocrinology

Content Goals and Objectives

1. Interpret blood glucose readings
2. Titrate insulin based on glucose readings
3. Recommend proper monitoring and management of diabetic microvascular and macrovascular complications
4. Evaluate thyrotoxicosis
5. Manage hypothyroidism
6. Evaluate pituitary adenoma
7. Evaluate hypogonadism
8. Evaluate hypercalcemia
9. Interpret a cosyntropin stimulation test

Process-Based Goals and Objectives

1. Perform an accurate physical exam
2. Develop prioritized differential diagnoses
3. Develop an evidence-based diagnostic and therapeutic plan
4. Recognize the scope of his/her abilities and ask for supervision and assistance appropriately
5. Minimize unnecessary care including tests
6. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
7. Integrate clinical evidence into decision making
8. Evaluate complex medical patient in a timely manner
9. Provide appropriate preventive care
10. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: General Internal Medicine: Consults

Content Goals and Objectives

1. Recognize the need for urgent/emergent medical consultation
2. Perform pre-operative cardiac risk stratification
3. Minimize peri-operative cardiac risk
4. Manage peri-operative NSTEMI
5. Minimize peri-operative pulmonary risk
6. Suggest adequate peri-operative DVT prophylaxis
7. Manage hyperglycemia in the peri-operative diabetic patient
8. Manage peri-operative hypertension
9. Manage peri-operative anticoagulation in the patient taking chronic anticoagulants including anti-platelet agents
10. Manage postoperative delirium.
11. Assess postoperative fever

Process-Based Goals and Objectives

1. Acquire accurate and relevant history
2. Perform an accurate physical exam
3. Develop prioritized differential diagnoses
4. Develop an evidence-based diagnostic and therapeutic plan
5. Provide accurate, complete, and timely documentation
6. Minimize unnecessary care including tests
7. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
8. Modify the differential diagnosis and care plan based on clinical course and data as appropriate
9. Integrate clinical evidence into decision making
10. Communicate effectively with the consulting team
11. Use feedback to improve performance
12. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: General Internal Medicine: Geriatrics

Content Goals and Objectives

1. Evaluate functional abilities of geriatric patient
2. Perform a focused physical exam on post hospital discharge patient
3. Perform medication reconciliation on post hospital discharge patient
4. Write initial admission orders on geriatric patient in the post hospital setting
5. Provide anticipatory guidance during routine visits in a primary care setting
6. Evaluate cause of falls and suggest initial management plan
7. Evaluate memory loss/dementia and suggest initial management plan
8. Evaluate urinary incontinence and suggest initial management plan

Process-Based Goals and Objectives

1. Perform an accurate physical exam
2. Develop prioritized differential diagnoses
3. Develop an evidence-based diagnostic and therapeutic plan
4. Recognize the scope of his/her abilities and ask for supervision and assistance appropriately
5. Minimize unnecessary care including tests
6. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
7. Integrate clinical evidence into decision making
8. Evaluate complex medical patient in a timely manner
9. Provide appropriate preventive care
10. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: General Internal Medicine Headache and Pain

Content Goals and Objectives

1. Take a focused headache and pain history
2. Perform a focused headache physical examination
3. Develop treatment plan for headache and pain
4. Develop prioritized differential diagnoses

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Rotation: General Internal Medicine Long Block: Content

Content Goals and Objectives

1. Manage hypertension
2. Manage diabetes
3. Manage hyperlipidemia
4. Manage pain syndromes
5. Manage preventative health issues
6. Work-up and assess un-differentiated complaints
7. Manage depression

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Rotation: General Internal Medicine Long Block: Process

Process-Based Goals and Objectives

1. Completes charting on time
2. Participates in team meetings
3. Meets quality performance goals

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Rotation: General Internal Medicine: Private Practice

Content Goals and Objectives

1. Recognize when to refer to specialist
2. Workup thyroid disease
3. Manage complicated diabetes patients
4. Obtain thorough dermatologic history
5. Describe rash using dermatologic terms
6. Manage chronic sinusitis
7. Demonstrate rehabilitation exercises for chronic low back pain
8. Assess functional impairment as part of disability evaluation
9. Describe resources available to hospice patients
10. Describe community resources available to elderly patients

Process-Based Goals and Objectives

1. Perform an accurate physical exam
2. Develop prioritized differential diagnoses
3. Develop an evidence-based diagnostic and therapeutic plan
4. Recognize the scope of his/her abilities and ask for supervision and assistance appropriately
5. Minimize unnecessary care including tests
6. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
7. Integrate clinical evidence into decision making
8. Evaluate complex medical patient in a timely manner
9. Provide appropriate preventive care
10. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: General Internal Medicine: Night Medicine PGY-1

Content Goals and Objectives

1. Manage hyperglycemia
2. Manage elevated blood pressure
3. Diagnose the cause of loss of consciousness and differentiate syncope from other etiologies.
4. Initiate appropriate antibiotic(s) for pneumonia
5. Initiate appropriate antibiotic(s) for skin and soft tissue infections
6. Manage exacerbations of obstructive lung disease
7. Manage alcohol withdrawal
8. Manage derangements of electrolytes
9. Recognize delirium and identify potential causes
10. Initiate workup and management of fever
11. Manage pain complaints overnight
12. Document cross-cover care

Process-Based Goals and Objectives

1. Acquire accurate and relevant history
2. Perform an accurate physical exam
3. Develop prioritized differential diagnoses
4. Develop an evidence-based diagnostic and therapeutic plan
5. Demonstrate accurate medication reconciliation
6. Provide accurate, complete, and timely documentation
7. Identify the appropriate clinical question for consultative services
8. Identify clinical questions as they emerge in patient care activities and access medical information resources
9. Perform bedside presentations that engage the patient and focus the discussion around the patient's central concerns
10. Minimize unfamiliar terms during patient encounters
11. Demonstrate shared decision-making with the patient
12. Use teach-back method with patients regarding medications and plan
13. Communicate with primary care physicians
14. Recognize the scope of his/her abilities and ask for supervision and assistance appropriately
15. Minimize unnecessary care including tests
16. Use feedback to improve performance
17. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: General Internal Medicine: Night Medicine PGY 2-4

Content Goals and Objectives

1. Supervise PGY-1 residents in the care of patients overnight

Process-Based Goals and Objectives

1. Stabilize patients with urgent or emergent medical conditions and transfer to a higher level of care when necessary.

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Rotation: Obesity Medicine

Content Goals and Objectives

1. Evaluate obese patients for comorbid conditions that contribute to obesity and health risks associated with obesity
2. Advise patients with pre-diabetes and metabolic syndrome on effective lifestyle changes
3. Identify different phenotypes of obese patients
4. Assess patient appropriateness for metabolic surgery
5. Take a history to identify eating disorders in obese patients (e.g. binge eating disorder, bulimia, night eating syndrome and eating disorder not otherwise specified)
6. Develop a treatment plan for patients with eating disorders (e.g. binge eating disorder, bulimia, night eating syndrome and eating disorder not otherwise specified)
7. Select metabolic surgery procedures using a shared decision making model
8. Identify consequences of various metabolic surgeries acutely and long term
9. Discuss evidenced-based nutritional principles with patients who have different metabolic and behavioral phenotypes

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Rotation: Initiative on Poverty Justice and Health

Content Goals and Objectives

1. Identify a patient at risk for vulnerability in a clinical setting.
2. Refer a patient to a community resource based upon the stated need during a clinical encounter
3. Recognize a cultural-bounded syndrome or belief
4. Identify a health disparity that affects the health of a vulnerable patient during an encounter
5. Manage a chronic medical condition in a resource-limited setting
6. Collect a relevant social history on a vulnerable patient
7. Uses an interpreter in a patient encounter.

Process-Based Goals and Objectives

1. Recognize the scope of his/her abilities and ask for supervision and assistance appropriately
2. Minimize unnecessary care including tests
3. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
4. Integrate clinical evidence into decision making
5. Evaluate complex medical patient in a timely manner
6. Provide appropriate preventive care
7. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: International Medicine

Content Goals and Objectives

1. Personally prepare for travel (packing, vaccines, visas etc.)
2. Research and present topics appropriate to the region of travel during the pre-planning phase
3. Deliver educational activity for the destination community-at-large and accompanying healthcare givers
4. Create and deliver on-site projects as assigned
5. Demonstrate cultural sensitivity
6. Demonstrate flexibility of on-site education and care plans
7. Utilize scarce resources in a creative and practical manner

Process-Based Goals and Objectives

1. Perform an accurate physical exam
2. Develop prioritized differential diagnoses
3. Develop an evidence-based diagnostic and therapeutic plan
4. Recognize the scope of his/her abilities and ask for supervision and assistance appropriately
5. Minimize unnecessary care including tests
6. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
7. Integrate clinical evidence into decision making
8. Evaluate complex medical patient in a timely manner
9. Provide appropriate preventive care
10. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: Pain Management

Content Goals and Objectives

1. Assess pain using an established pain scale
2. Diagnose a chronic pain syndrome
3. Order advanced imaging in the work-up of a pain syndrome
4. Initiate a pain regimen for a chronic pain syndrome
5. Communicate and monitor for side effects of pain medications
6. Titrate narcotic pain medication
7. Manage non-narcotic adjuvant pain medication
8. Initiate non-pharmacological treatments for chronic pain.
9. Uses shared decision making strategies for complicated or ambiguous pain management scenarios

Process-Based Goals and Objectives

1. Perform an accurate physical exam
2. Develop prioritized differential diagnoses
3. Develop an evidence-based diagnostic and therapeutic plan
4. Recognize the scope of his/her abilities and ask for supervision and assistance appropriately
5. Minimize unnecessary care including tests
6. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
7. Integrate clinical evidence into decision making
8. Evaluate complex medical patient in a timely manner
9. Provide appropriate preventive care
10. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: Palliative Care

Content Goals and Objectives

1. Treat pain encountered with terminal illness
2. Utilize narcotic table to titrate pain medications
3. Assist patient and families in setting and clarifying goals at the end of life
4. Communicate with family members whose loved ones have cognitive impairment or altered mental status
5. Explore and respond to patient/family experiences when transitioning from curative to comfort care
6. Identify common reasons for hospital re-admission from hospice care
7. Prepare patients and families for inpatient versus outpatient hospice transitions

Process-Based Goals and Objectives

1. Acquire accurate and relevant history
2. Develop prioritized differential diagnoses
3. Provide accurate, complete, and timely documentation
4. Minimize unnecessary care including tests
5. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
6. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: Quality Improvement Introduction

Content Goals and Objectives

10. Develop Process Map
11. Develop Pareto Chart
12. Develop Failure Modes Effect Analysis Chart
13. Develop Key Driver Diagram
14. Perform a PDSA (Plan-Do-Study-Act)
15. Present Quality Improvement Findings

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Rotation: Sports Medicine

Content Goals and Objectives

1. Take a musculoskeletal history
2. Perform a musculoskeletal examination
3. Develop prioritized differential diagnoses
4. Perform knee injection
5. Perform shoulder injection

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Rotation: Women's Health

Content Goals and Objectives

1. Demonstrate respectful and professional manner during sensitive physical exam maneuvers
2. Perform a routine pelvic and breast exam
3. Initiate workup for a new breast lump
4. Manage a patient at-risk for osteoporosis
5. Initiate workup for a patient with amenorrhea
6. Manage a patient with dysfunctional uterine bleeding
7. Initiate workup for polycystic ovarian syndrome.
8. Manage a patient with perimenopausal symptoms
9. Provide age-appropriate cancer screening (breast, cervical)

Process-Based Goals and Objectives

1. Perform an accurate physical exam
2. Develop prioritized differential diagnoses
3. Develop an evidence-based diagnostic and therapeutic plan
4. Recognize the scope of his/her abilities and ask for supervision and assistance appropriately
5. Minimize unnecessary care including tests
6. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
7. Integrate clinical evidence into decision making
8. Evaluate complex medical patient in a timely manner
9. Provide appropriate preventive care
10. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: General Internal Medicine Wards PGY-1

Content Goals and Objectives

1. Initiate basal bolus insulin therapy and manage blood glucose over time
2. Manage elevated blood pressure
3. Diagnose the cause of loss of consciousness and differentiate syncope from other etiologies
4. Initiate antibiotic(s) for pneumonia
5. Initiate antibiotic(s) for skin and soft tissue infections
6. Initiate venous thromboembolism prophylaxis
7. Initiate cost effective workup of venous thromboembolism
8. Manage exacerbations of obstructive lung disease
9. Initiate CIWA protocol in patients at risk for alcohol withdrawal
10. Manage derangements of potassium
11. Identify causes of delirium
12. Initiate cost-effective workup for anemia
13. Initiate work-up of diabetic foot ulcer
14. Assess and treat pain
15. Initiate fall precaution orders in patients at risk for falls
16. Initiate workup and management of fever

Process-Based Goals and Objectives

1. Acquire accurate and relevant history
2. Perform an accurate physical exam
3. Develop prioritized differential diagnoses
4. Develop an evidence-based diagnostic and therapeutic plan
5. Demonstrate accurate medication reconciliation
6. Provide accurate, complete, and timely documentation
7. Identify the appropriate clinical question for consultative services
8. Identify clinical questions as they emerge in patient care activities and access medical information resources
9. Perform bedside presentations that engage the patient and focus the discussion around the patient's central concerns
10. Minimize unfamiliar terms during patient encounters
11. Demonstrate shared decision-making with the patient
12. Use teach-back method with patients regarding medications and plan
13. Communicate with primary care physicians
14. Recognize the scope of his/her abilities and ask for supervision and assistance appropriately
15. Minimize unnecessary care including tests
16. Use feedback to improve performance
17. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: General Internal Medicine Wards PGY 2-4

Content Goals and Objectives

1. Manage diabetic ketoacidosis
2. Manage extremes of blood pressure
3. Demonstrate a cost effective workup of loss of consciousness
4. Adjust type, dose, and duration of therapy for pneumonia based on clinical course
5. Differentiate deep-seated soft tissue infections versus superficial infections
6. Manage and escalate care in a patient with sepsis
7. Manage anticoagulation in a patient with suspected or known venous thromboembolism
8. Recognize and manage impending respiratory failure
9. Manage benzodiazepines in a patient with alcohol withdrawal
10. Manage derangements of sodium
11. Utilize pharmacologic and non-pharmacologic methods to manage delirium
12. Demonstrate appropriate use of blood products
13. Use an opioid conversion table to titrate pain management

Process-Based Goals and Objectives

1. Manage the interdisciplinary team.
2. Manage the interdisciplinary team
3. Demonstrate shared decision-making with the patient
4. Recognize the scope of his/her abilities and ask for supervision and assistance appropriately
5. Minimize unnecessary care including tests
6. Role model effective communication skills in challenging situations
7. Guide and support bedside presentations that engage the patient and focus the discussion around the patient's central concerns
8. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
9. Modify the differential diagnosis and care plan based on clinical course and data as appropriate
10. Choose the appropriate consultative services for a given clinical condition
11. Integrate clinical evidence into decision making
12. Teach physical findings for junior members of the health care team
13. Stabilize patients with urgent or emergent medical conditions and transfer to a higher level of care when necessary
14. Use feedback to improve performance
15. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: Bone Marrow Transplant

Process-Based Goals and Objectives

1. Acquire accurate and relevant history
2. Perform an accurate physical exam
3. Develop prioritized differential diagnoses
4. Develop an evidence-based diagnostic and therapeutic plan

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Rotation: Hematology/Oncology Consults

Content Goals and Objectives

1. Determine cause of leukocytosis
2. Determine cause of anemia
3. Determine the causes of thrombocytopenia
4. Manage anticoagulation of venous thromboembolism in the cancer patient
5. Determine need for plasmapheresis in the setting of TTP.
6. Differentiate between various types of hemolytic anemia
7. Initiate diagnostic work-up for suspected Heparin Induced Thrombocytopenia.
8. Manage direct thrombin inhibitors for Heparin Induced Thrombocytopenia.
9. Initiate evaluation for acute chest syndrome in sickle cell anemia.
10. Adjust long-acting and/or short-acting narcotics in cancer and sickle cell patients.
11. Initiate work-up of spinal cord compression

Process-Based Goals and Objectives

1. Acquire accurate and relevant history.
2. Acquire accurate and relevant history
3. Perform an accurate physical exam
4. Develop prioritized differential diagnoses
5. Develop an evidence-based diagnostic and therapeutic plan
6. Provide accurate, complete, and timely documentation
7. Minimize unnecessary care including tests
8. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
9. Modify the differential diagnosis and care plan based on clinical course and data as appropriate
10. Integrate clinical evidence into decision making
11. Communicate effectively with the consulting team
12. Use feedback to improve performance
13. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: Hematology/Oncology Outpatient

Content Goals and Objectives

1. Determine cause of anemia
2. Evaluate disorders of hemostasis
3. Evaluate myeloproliferative disorders, myeloma and/or MGUS
4. Manage the common complications chemotherapy and other cancer treatments
5. Order imaging and tissue studies to properly stage malignancies
6. Initiate end of life discussions with patients with incurable malignancies

Process-Based Goals and Objectives

5. Acquire accurate and relevant history
6. Perform an accurate physical exam
7. Develop prioritized differential diagnoses
8. Develop an evidence-based diagnostic and therapeutic plan
9. Provide accurate, complete, and timely documentation
10. Minimize unnecessary care including tests
11. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
12. Modify the differential diagnosis and care plan based on clinical course and data as appropriate
13. Integrate clinical evidence into decision making
14. Communicate effectively with the consulting team
15. Use feedback to improve performance
16. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: Hematology/Oncology Ward PGY-1

Content Goals and Objectives

1. Diagnose neutropenic fever
2. Initiate antibiotic therapy for neutropenic fever
3. Initiate diagnostic testing for venous thromboembolism in the cancer patient
4. Manage hyperkalemia during tumor lysis syndrome
5. Initiate evaluation for acute chest syndrome in sickle cell disease
6. Adjust short and long acting narcotics for chronic pain
7. Initiate workup of non neutropenic fever.
8. Initiate antibiotics for pneumonia
9. Diagnose spinal cord compression
10. Refer patients for hospice and palliative care

Process-Based Goals and Objectives

1. Acquire accurate and relevant history
2. Perform an accurate physical exam
3. Develop prioritized differential diagnoses
4. Develop an evidence-based diagnostic and therapeutic plan
5. Demonstrate accurate medication reconciliation
6. Provide accurate, complete, and timely documentation
7. Identify the appropriate clinical question for consultative services
8. Identify clinical questions as they emerge in patient care activities and access medical information resources
9. Perform bedside presentations that engage the patient and focus the discussion around the patient's central concerns
10. Minimize unfamiliar terms during patient encounters
11. Demonstrate shared decision-making with the patient
12. Use teach-back method with patients regarding medications and plan
13. Communicate with primary care physicians
14. Recognize the scope of his/her abilities and ask for supervision and assistance appropriately
15. Minimize unnecessary care including tests
16. Use feedback to improve performance
17. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: Hematology/Oncology Ward PGY 2-4

Content Goals and Objectives

1. Initiate antibiotic therapy for neutropenic fever
2. Formulate antibiotic discharge planning for neutropenic fever.
3. Manage anticoagulation for venous thromboembolism in the cancer patient.
4. Manage hyperuricemia during tumor lysis syndrome.
5. Manage acute chest syndrome in sickle cell patients.
6. Adjust short and long acting narcotics for chronic pain
7. Work -up spinal cord compression
8. Refer patients for hospice and palliative care
9. Manage end of life care family meeting.

Process-Based Goals and Objectives

1. Demonstrate shared decision-making with the patient
2. Recognize the scope of his/her abilities and ask for supervision and assistance appropriately
3. Minimize unnecessary care including tests
4. Use feedback to improve performance
5. Manage the interdisciplinary team
6. Role model effective communication skills in challenging situations
7. Guide and support bedside presentations that engage the patient and focus the discussion around the patient's central concerns
8. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
9. Modify the differential diagnosis and care plan based on clinical course and data as appropriate
10. Choose the appropriate consultative services for a given clinical condition
11. Integrate clinical evidence into decision making
12. Teach physical findings for junior members of the health care team
13. Stabilize patients with urgent or emergent medical conditions and transfer to a higher level of care when necessary
14. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: Infectious Disease Inpatient Consults

Content Goals and Objectives

1. Initiate workup of fever of unknown origin
2. Select antibiotic therapy and duration for organisms with antibiotic resistance
3. Manage endocarditis
4. Manage suspected meningitis
5. Select type, dose, and duration of antibiotic therapy for osteomyelitis
6. Select type, dose, and duration of antibiotic therapy for complicated urinary tract infections
7. Select type, dose, and duration of therapy for post-operative infections
8. Determine diagnostic testing and treatment of infectious colitis.
9. Adjust type, dose, and duration of therapy for pneumonia based on historical risk factors and clinical course
10. Select antibiotics and duration of therapy for treatment of bacteremia.

Process-Based Goals and Objectives

1. Acquire accurate and relevant history
2. Perform an accurate physical exam
3. Develop prioritized differential diagnoses
4. Develop an evidence-based diagnostic and therapeutic plan
5. Provide accurate, complete, and timely documentation
6. Minimize unnecessary care including tests
7. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
8. Modify the differential diagnosis and care plan based on clinical course and data as appropriate
9. Integrate clinical evidence into decision making
10. Communicate effectively with the consulting team
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12. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: Infectious Disease Outpatient Consults

Content Goals and Objectives

1. Perform a history and physical exam for patients with HIV
2. Select initial therapy for patients diagnosed with HIV
3. Identify and assess clinically significant drug interactions between antiretroviral medications and concomitant drug therapy.
4. Determine duration of treatment for osteomyelitis
5. Select type, dose, and duration of antibiotic therapy for skin and soft-tissue infections.
6. Initiate diagnostic testing in patients with suspected venereal diseases.
7. Determine screening for viral hepatitis.
8. Determine treatment for latent TB infection.

Process-Based Goals and Objectives

1. Perform an accurate physical exam
2. Develop prioritized differential diagnoses
3. Develop an evidence-based diagnostic and therapeutic plan
4. Recognize the scope of his/her abilities and ask for supervision and assistance appropriately
5. Minimize unnecessary care including tests
6. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
7. Integrate clinical evidence into decision making
8. Evaluate complex medical patient in a timely manner
9. Provide appropriate preventive care
10. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: Nephrology Consults

Content Goals and Objectives

1. Initiate workup for acute renal failure
2. Manage hypokalemia and hyperkalemia
3. Initiate workup for disorders of sodium
4. Initiate management of hypertensive emergency
5. Initiate workup for acid base disturbances
6. Recommend acute dialysis for selected patients
7. Manage kidney disease for inpatients on other services

Process-Based Goals and Objectives

1. Acquire accurate and relevant history
2. Perform an accurate physical exam
3. Develop prioritized differential diagnoses
4. Develop an evidence-based diagnostic and therapeutic plan
5. Provide accurate, complete, and timely documentation
6. Minimize unnecessary care including tests
7. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
8. Modify the differential diagnosis and care plan based on clinical course and data as appropriate
9. Integrate clinical evidence into decision making
10. Communicate effectively with the consulting team
11. Use feedback to improve performance
12. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: Transplant Nephrology

Content Goals and Objectives

1. Diagnose infections in renal transplant patients
2. Manage infections in renal transplant patients
3. Diagnose cause of renal allograft dysfunction
4. Review indications and side effects of immunosuppressive medications with renal transplant patients
5. Evaluate the potential living kidney donor

Process-Based Goals and Objectives

1. Acquire accurate and relevant history
2. Perform an accurate physical exam
3. Develop prioritized differential diagnoses
4. Provide accurate, complete, and timely documentation
5. Identify clinical questions as they emerge in patient care activities and access medical information resources
6. Recognize the scope of his/her abilities and ask for supervision and assistance appropriately
7. Minimize unnecessary care including tests

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Rotation: Nephrology Wards PGY-1

Content Goals and Objectives

1. Manage acute renal failure
2. Manage extremes of blood pressure
3. Manage hyperkalemia in the renal patient
4. Dose drugs appropriate to the level of renal function
5. Refer appropriate patients with acute and chronic renal failure for renal replacement therapy
6. Manage parathyroid abnormalities in the renal patient
7. Demonstrate appropriate use of blood products and EPO analogues in CKD and ESRD patients
8. Implement a diagnostic work-up for metabolic acidosis and alkalosis

Process-Based Goals and Objectives

1. Acquire accurate and relevant history
2. Perform an accurate physical exam
3. Develop prioritized differential diagnoses
4. Develop an evidence-based diagnostic and therapeutic plan
5. Demonstrate accurate medication reconciliation
6. Provide accurate, complete, and timely documentation
7. Identify the appropriate clinical question for consultative services
8. Identify clinical questions as they emerge in patient care activities and access medical information resources
9. Perform bedside presentations that engage the patient and focus the discussion around the patient's central concerns
10. Minimize unfamiliar terms during patient encounters
11. Demonstrate shared decision-making with the patient
12. Use teach-back method with patients regarding medications and plan
13. Communicate with primary care physicians
14. Recognize the scope of his/her abilities and ask for supervision and assistance appropriately
15. Minimize unnecessary care including tests
16. Use feedback to improve performance
17. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: Nephrology Wards PGY 2-4

Content Goals and Objectives

1. Manage acute renal failure
2. Manage extremes of blood pressure
3. Manage derangements of sodium
4. Dose drugs appropriate to the level of renal function
5. Manage a hospitalized immunosuppressed renal transplant patient
6. Refer patients with acute and chronic renal failure for renal replacement therapy
7. Manage parathyroid abnormalities in the renal patient
8. Demonstrate appropriate use of blood products and EPO analogues in CKD and ESRD population
9. Implement a diagnostic work-up for metabolic acidosis and alkalosis
10. Manage CKD patients in the peri-operative setting

Process-Based Goals and Objectives

1. Demonstrate shared decision-making with the patient
2. Recognize the scope of his/her abilities and ask for supervision and assistance appropriately
3. Minimize unnecessary care including tests
4. Use feedback to improve performance
5. Manage the interdisciplinary team
6. Role model effective communication skills in challenging situations
7. Guide and support bedside presentations that engage the patient and focus the discussion around the patient's central concerns
8. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
9. Modify the differential diagnosis and care plan based on clinical course and data as appropriate
10. Choose the appropriate consultative services for a given clinical condition
11. Integrate clinical evidence into decision making
12. Teach physical findings for junior members of the health care team
13. Stabilize patients with urgent or emergent medical conditions and transfer to a higher level of care when necessary
14. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: Pulmonary Advanced Critical Care

Content Goals and Objectives

1. Demonstrate proficiency in the placement of a central venous catheter
2. Demonstrate proficiency in the placement of an arterial line
3. Demonstrate proficiency in endotracheal intubation
4. Demonstrate appropriate use of ultrasound during invasive procedures.
5. Describe the benefits and limitations associated with different modes of mechanical ventilation
6. Make appropriate recommendations for adjustment of ventilator settings

Process-Based Goals and Objectives

1. Acquire accurate and relevant history
2. Perform an accurate physical exam
3. Develop prioritized differential diagnoses
4. Develop an evidence-based diagnostic and therapeutic plan
5. Provide accurate, complete, and timely documentation
6. Minimize unnecessary care including tests
7. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
8. Modify the differential diagnosis and care plan based on clinical course and data as appropriate
9. Integrate clinical evidence into decision making
10. Communicate effectively with the consulting team
11. Use feedback to improve performance
12. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: Pulmonary Consults

Content Goals and Objectives

1. Interpret pulmonary function tests
2. Work-up lung nodule or mass
3. Differentiate a transudative from an exudative pleural effusion, correctly apply further testing and treatment based on this differentiation
4. Recommend bronchoscopy for various clinical scenarios
5. Utilize oximetry and arterial blood gas results to determine the need for supplemental oxygen therapy
6. Write a prescription for the appropriate amount of oxygen at rest, exertion, and sleep
7. Initiate the management of suspected interstitial lung disease
8. Refer for right heart catheterization when indicated
9. Recognize the risk factors and clinical signs/symptoms associated with sleep apnea.
10. Initiate diagnostic workup for hemoptysis.

Process-Based Goals and Objectives

1. Acquire accurate and relevant history
2. Perform an accurate physical exam
3. Develop prioritized differential diagnoses
4. Develop an evidence-based diagnostic and therapeutic plan
5. Provide accurate, complete, and timely documentation
6. Minimize unnecessary care including tests
7. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
8. Modify the differential diagnosis and care plan based on clinical course and data as appropriate
9. Integrate clinical evidence into decision making
10. Communicate effectively with the consulting team
11. Use feedback to improve performance
12. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: MICU PGY-1

Content Goals and Objectives

1. Identify appropriate circumstances to use non-invasive positive pressure ventilation (NIPPV) such as CPAP or BiPAP for acute respiratory failure
2. Manage ventilator changes.
3. Identify how to change a ventilator to improve ventilation and oxygenation in acute respiratory failure
4. Identify when it is appropriate to intubate a patient in acute respiratory failure
5. Deliver appropriate goal-directed therapy for severe sepsis.
6. Interpret chest x-rays for common lung disorders.
7. Perform central lines.
8. Perform thoracentesis.
9. Perform intubation.
10. Perform arterial lines.

Process-Based Goals and Objectives

1. Acquire accurate and relevant history
2. Perform an accurate physical exam
3. Develop prioritized differential diagnoses
4. Develop an evidence-based diagnostic and therapeutic plan
5. Demonstrate accurate medication reconciliation
6. Provide accurate, complete, and timely documentation
7. Identify the appropriate clinical question for consultative services
8. Identify clinical questions as they emerge in patient care activities and access medical information resources
9. Perform bedside presentations that engage the patient and focus the discussion around the patient's central concerns
10. Minimize unfamiliar terms during patient encounters
11. Demonstrate shared decision-making with the patient
12. Use teach-back method with patients regarding medications and plan
13. Communicate with primary care physicians
14. Recognize the scope of his/her abilities and ask for supervision and assistance appropriately
15. Minimize unnecessary care including tests
16. Use feedback to improve performance
17. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: MICU PGY 2-4

Content Goals and Objectives

1. Implement the appropriate mode of ventilatory assistance for acute respiratory failure
2. Manage ventilator changes
3. Use low tidal volume strategy where appropriate for ARDS.
4. Recite and apply the criteria for decision making on extubating patients
5. Differentiate the causes and findings of cardiogenic from distributive and septic forms of shock
6. Deliver appropriate goal-directed therapy for severe sepsis
7. Interpret chest x-rays for common lung disorders
8. Perform central lines
9. Perform thoracentesis
10. Perform intubation
11. Perform arterial lines

Process-Based Goals and Objectives

1. Demonstrate shared decision-making with the patient
2. Recognize the scope of his/her abilities and ask for supervision and assistance appropriately
3. Minimize unnecessary care including tests
4. Use feedback to improve performance
5. Manage the interdisciplinary team
6. Role model effective communication skills in challenging situations
7. Guide and support bedside presentations that engage the patient and focus the discussion around the patient's central concerns
8. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
9. Modify the differential diagnosis and care plan based on clinical course and data as appropriate
10. Choose the appropriate consultative services for a given clinical condition
11. Integrate clinical evidence into decision making
12. Teach physical findings for junior members of the health care team
13. Stabilize patients with urgent or emergent medical conditions and transfer to a higher level of care when necessary
14. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: Interventional Pulmonology

Content Goals and Objectives

1. Demonstrate pre-procedure evaluation for someone pending bronchoscopy
2. Perform work-up of suspected lung cancer/nodule
3. Identify bronchoscopy indications for patients
4. Interpret thoracentesis findings
5. Discuss therapeutic options for problems identified by interventional pulmonology

Process-Based Goals and Objectives

1. Develop an evidence-based diagnostic and therapeutic plan
2. Provide accurate, complete, and timely documentation
3. Minimize unnecessary care including tests
4. Communicate effectively with the consulting team
5. Use feedback to improve performance

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Rotation: Pulmonary Outpatient

Content Goals and Objectives

1. Interpret pulmonary function tests
2. Refer patients for pulmonary rehabilitation
3. Discuss a 2nd line or 3rd line smoking cessation plan for a patient who failed 1st line therapy.
4. Initiate the basic workup for a patient with undifferentiated interstitial lung disease.
5. Provide first line therapy to a cystic fibrosis patient presenting with a new productive cough.
6. Manage a patient on chronic home oxygen therapy who presents with the complaint of dyspnea.

Process-Based Goals and Objectives

1. Perform an accurate physical exam
2. Develop prioritized differential diagnoses
3. Develop an evidence-based diagnostic and therapeutic plan
4. Recognize the scope of his/her abilities and ask for supervision and assistance appropriately
5. Minimize unnecessary care including tests
6. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
7. Integrate clinical evidence into decision making
8. Evaluate complex medical patient in a timely manner
9. Provide appropriate preventive care
10. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: Sleep Medicine

Content Goals and Objectives

1. Take a sleep history
2. Formulate a differential diagnosis for insomnia
3. Formulate a differential diagnosis for hypersomnia
4. Recognize basic circadian rhythm disorders, such as shift work disorder, delayed sleep phase, jet lag and advanced sleep phase\
5. Order the proper sleep study for a given patient
6. Advise patients on the various respiratory assist devices utilized in the treatment of sleep apnea

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Rotation: Allergy

Content Goals and Objectives

1. Manage individuals with asthma
2. Manage individuals with rhinitis
3. Determine the appropriate initial laboratory evaluation for a suspected immune deficiency
4. Refer patients for allergy skin testing
5. Evaluate individuals with urticaria/angioedema
6. Prescribe emergency treatment plan for a patient at risk for anaphylaxis

Process-Based Goals and Objectives

1. Perform an accurate physical exam
2. Develop prioritized differential diagnoses
3. Develop an evidence-based diagnostic and therapeutic plan
4. Recognize the scope of his/her abilities and ask for supervision and assistance appropriately
5. Minimize unnecessary care including tests
6. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
7. Integrate clinical evidence into decision making
8. Evaluate complex medical patient in a timely manner
9. Provide appropriate preventive care
10. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: Rheumatology

Content Goals and Objectives

1. Take a rheumatologic history

Process-Based Goals and Objectives

1. Perform a musculoskeletal examination
2. Develop prioritized differential diagnoses
3. Integrate clinical evidence into decision making

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Rotation: Anesthesia

Content Goals and Objectives

1. Perform preoperative evaluations
2. Attain IV access in a preoperative patient
3. Perform bag-mask ventilation
4. Intubate trachea
5. Chart the patient's course through the perioperative period

Process-Based Goals and Objectives

1. Demonstrate shared decision-making with the patient
2. Recognize the scope of his/her abilities and ask for supervision and assistance appropriately
3. Minimize unnecessary care including tests
4. Use feedback to improve performance
5. Manage the interdisciplinary team
6. Role model effective communication skills in challenging situations
7. Guide and support bedside presentations that engage the patient and focus the discussion around the patient's central concerns
8. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
9. Modify the differential diagnosis and care plan based on clinical course and data as appropriate
10. Choose the appropriate consultative services for a given clinical condition
11. Integrate clinical evidence into decision making
12. Teach physical findings for junior members of the health care team
13. Stabilize patients with urgent or emergent medical conditions and transfer to a higher level of care when necessary
14. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: Emergency Department UH

Content Goals and Objectives

1. Develop initial treatment plan for patients with suspected infection
2. Develop initial treatment plan for patients with chest pain
3. Develop treatment plan for patients with shortness of breath
4. Obtain a history and physical exam in a timely manner
5. Manage multiple patients simultaneously
6. Triage patient to proper level of care
7. Communicate effectively with consultants

Process-Based Goals and Objectives

1. Acquire accurate and relevant history
2. Perform an accurate physical exam
3. Develop prioritized differential diagnoses
4. Develop an evidence-based diagnostic and therapeutic plan
5. Provide accurate, complete, and timely documentation
6. Minimize unnecessary care including tests
7. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
8. Modify the differential diagnosis and care plan based on clinical course and data as appropriate
9. Integrate clinical evidence into decision making
10. Communicate effectively with the consulting team
11. Use feedback to improve performance
12. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: Emergency Department VA

Content Goals and Objectives

1. Develop initial treatment plan for patients with suspected infection
2. Develop initial treatment plan for patients with chest pain
3. Develop treatment plan for patients with shortness of breath
4. Obtain a history and physical exam in a timely manner
5. Manage multiple patients simultaneously
6. Triage patient to proper level of care
7. Communicate effectively with consultants

Process-Based Goals and Objectives

1. Acquire accurate and relevant history
2. Perform an accurate physical exam
3. Develop prioritized differential diagnoses
4. Develop an evidence-based diagnostic and therapeutic plan
5. Provide accurate, complete, and timely documentation
6. Minimize unnecessary care including tests
7. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
8. Modify the differential diagnosis and care plan based on clinical course and data as appropriate
9. Integrate clinical evidence into decision making
10. Communicate effectively with the consulting team
11. Use feedback to improve performance
12. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: Neurology Consults

Content Goals and Objectives

1. Evaluate altered mental status
2. Perform a comprehensive neurological examination
3. Localize neurologic lesions
4. Order diagnostic testing for neurologic disease
5. Prescribe antiplatelet therapy for vascular disease
6. Prescribe medication for seizure disorder
7. Recognize acute stroke and activate stroke team

Process-Based Goals and Objectives

1. Acquire accurate and relevant history
2. Perform an accurate physical exam
3. Develop prioritized differential diagnoses
4. Develop an evidence-based diagnostic and therapeutic plan
5. Provide accurate, complete, and timely documentation
6. Minimize unnecessary care including tests
7. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
8. Modify the differential diagnosis and care plan based on clinical course and data as appropriate
9. Integrate clinical evidence into decision making
10. Communicate effectively with the consulting team
11. Use feedback to improve performance
12. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: Neurology Wards

Content Goals and Objectives

1. Evaluate altered mental status
2. Perform a comprehensive neurological examination
3. Localize neurologic lesions
4. Order diagnostic testing for neurologic disease
5. Prescribe antiplatelet therapy for vascular disease
6. Prescribe medication for seizure disorder
7. Recognize acute stroke and begin initial management
8. Manage anticoagulation for patients with neurologic diseases

Process-Based Goals and Objectives

1. Acquire accurate and relevant history
2. Perform an accurate physical exam
3. Develop prioritized differential diagnoses
4. Develop an evidence-based diagnostic and therapeutic plan
5. Demonstrate accurate medication reconciliation
6. Provide accurate, complete, and timely documentation
7. Identify the appropriate clinical question for consultative services
8. Identify clinical questions as they emerge in patient care activities and access medical information resources
9. Perform bedside presentations that engage the patient and focus the discussion around the patient's central concerns
10. Minimize unfamiliar terms during patient encounters
11. Demonstrate shared decision-making with the patient
12. Use teach-back method with patients regarding medications and plan
13. Communicate with primary care physicians
14. Recognize the scope of his/her abilities and ask for supervision and assistance appropriately
15. Minimize unnecessary care including tests
16. Use feedback to improve performance
17. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: Ophthalmology

Content Goals and Objectives

1. Take an ophthalmologic history
2. Perform an ophthalmologic exam
3. Develop an ophthalmologic differential diagnosis
4. Integrate clinical evidence into decision making

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Rotation: Patient Safety Elective

Content Goals and Objectives

1. Conduct system assessment through critical observation of patient experience
2. Analyze process and outcomes
3. Build a multidisciplinary team approach to improving quality and safety
4. Develop a performance improvement process
5. Facilitate safety training for other providers through organizing and structuring safe patient care training scenarios for simulation

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Rotation: Psychiatry Consults

Content Goals and Objectives

1. Differentiate primary psychiatric disorders from delirium and other metabolic/organic derangements
2. Conduct a comprehensive psychiatric interview of a medically ill patient
3. Construct a comprehensive psychiatric treatment plan for a medically ill patient
4. Assess the specific intentions of the referring physician for any given request for psychiatric consultation
5. Communicate with the referring service about the psychiatric assessment both verbally and through concise, non-technically worded notes
6. Communicate with the referring service about the psychiatric assessment both verbally and through concise, non-technically worded notes
7. Undertake the psychotherapeutic treatment of at least one patient with a psycho-physiological illness

Process-Based Goals and Objectives

1. Acquire accurate and relevant history
2. Perform an accurate physical exam
3. Develop prioritized differential diagnoses
4. Develop an evidence-based diagnostic and therapeutic plan
5. Provide accurate, complete, and timely documentation
6. Minimize unnecessary care including tests
7. Gather subtle, sensitive, and complicated information that may not be volunteered by the patient
8. Modify the differential diagnosis and care plan based on clinical course and data as appropriate
9. Integrate clinical evidence into decision making
10. Communicate effectively with the consulting team
11. Use feedback to improve performance
12. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering

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Rotation: Ultrasound

Content Goals and Objectives

1. Demonstrate appropriate ultrasound probe choice for cardiac, abdominal, and vascular evaluations
2. Acquire ultrasound imaging of the four basic cardiac views: parasternal long, parasternal short, subcostal, and the apical four chamber
3. Interpret basic cardiac systolic function as grossly normal, hyperdynamic, or globally depressed
4. Acquire images of IVC collapsibility in evaluation of a patient's volume status
5. Perform an abdominal FAST exam
6. Interpret ultrasound imaging of abdominal anatomy during paracentesis
7. Acquire ultrasound imaging assessing lower extremity DVT
8. Interpret bedside DVT ultrasound images
9. Evaluate the chest with ultrasound for abnormal pleural findings in pneumonia, pneumothorax, and pleural effusion
10. Demonstrate ultrasound techniques to assist with safe central line placement
11. Demonstrate ultrasound techniques to assist with safe thoracentesis
12. Interpret ultrasound imaging of chest anatomy during thoracentesis
13. Demonstrate ultrasound techniques to assist with safe paracentesis
14. Refer patients for formal ultrasound study based on bedside examination and ultrasound

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Rotation: Research

Content Goals and Objectives

1. Develop a hypothesis driven research question
2. Develop a short research proposal
3. Choose the appropriate study design for a project
4. Demonstrate proper ethics in medical research
5. Interpret the results of a research project
6. Write a research abstract
7. Present a poster or PowerPoint presentation on research project
8. Recognize and manage conflicts of interest (such as caring for family members and professional associates as patients)

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Rotation: Designer Elective

Content Goals and Objectives

1. Residents will create their own content based goals and objectives as part of designing the elective.

Process-Based Goals and Objectives

1. The process-based goals and objectives will vary according to the type of rotation created

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Summary Statements, Narrative Comments, and Multisource Evaluation

Overall Evaluation					
Knowledge	Minimal knowledge without connecting it to practice	Working knowledge of key aspects of practice	Good working and background knowledge of area of practice	Depth of understanding of discipline and area of practice	Authoritative knowledge of discipline and deep tacit understanding across area of practice
Standard of work	Unlikely to be satisfactory unless closely supervised	Straightforward tasks likely to be completed to an acceptable standard	Able to complete more complex tasks, but may lack refinement	Fully acceptable standard achieved routinely	Excellence achieved with relative ease
Autonomy	Needs close supervision or instruction	Able to achieve some steps using own judgment, but supervision needed for overall task	Able to achieve most tasks using own judgment	Able to take full responsibility for own work (and that of others where applicable)	Able to take responsibility for going beyond existing standards and creating own interpretations
Coping with complexity	Little or no conception of dealing with complexity	Appreciates complex situations but only able to achieve partial resolution	Copes with complex situations through deliberate analysis and planning	Deals with complex situations holistically, decision-making more confident	Holistic grasp of complex situations, moves between intuitive and analytical approaches with ease
AREAS OF STRENGTH -- please comment on areas of clinical strength -- use vignettes and stories to demonstrate your points (minimum 50 words)					
OPPORTUNITIES FOR IMPROVEMENT -- please comment on opportunities for improvement -- use vignettes and stories to demonstrate your points. What is your action plan?(minimum 50 words)					

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Multisource: Senior Residents by Residents and Students

Goals and Objectives

1. Provides regular feedback to other members of the team.
2. Perform bedside presentations that engage the patient and focus the discussion around the patient's central concerns
3. Demonstrate shared decision-making with the patient
4. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering
5. Role model effective communication skills in challenging situations
6. Demonstrate safe, accurate, and complete hand-offs.
7. Assist colleagues in the provision of duties.
8. Takes leadership role of teaching healthcare team

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Multisource: Interns by Residents and Students

Goals and Objectives

1. Provides regular feedback to other members of the team.
2. Perform bedside presentations that engage the patient and focus the discussion around the patient's central concerns
3. Demonstrate shared decision-making with the patient
4. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering
5. Demonstrate safe, accurate, and complete hand-offs.
6. Respond to pages in timely and courteous manner
7. Assist colleagues in the provision of duties.

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Multisource: Interns and Residents by Ward Nurses

Goals and Objectives

1. Respond to pages in timely and courteous manner
2. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering
3. Was this resident receptive to the unique information/learning/skills development that nurses have to offer?
4. Demonstrates respectful behavior to all members of the health care team.

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Multisource: Interns and Residents by Critical Care Nurses

Goals and Objectives

1. Create a collaborative learning/teaching environment that incorporates other staff members including nursing
2. Demonstrate communication regarding patient care to other healthcare team members in a timely manner
3. Manage patients care in a safe manner.
4. Escalate care in a critical or unstable patient

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Multisource: Interns and Residents by Case Managers and Social Workers

Goals and Objectives

1. Works with the interdisciplinary team to help meet patient needs
2. Receptive to the unique information/learning/skills that case managers, social workers and/or other allied health professionals have to offer?
3. Demonstrates respectful behavior to all members of the health care team.

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Multisource: Interns and Residents by Chief Residents

Goals and Objectives

1. On time for conferences
2. Actively participates in teaching conferences
3. Uses off days per residency guidelines
4. Attends conferences as appropriate

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Multisource: Interns and Residents by Graduate Medical Education Staff

Goals and Objectives

1. Submits evaluations by given deadlines
2. Responds to residency requests by given deadlines (e.g.. TB tests, duty hours, flu shots, conference attendance scholarly requirements etc.)
3. Demonstrates professional conduct and sensitivity towards residency staff

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Multisource: Interns and Residents by Fellows

Goals and Objectives

1. Perform bedside presentations that engage the patient and focus the discussion around the patient's central concerns
2. Demonstrate empathy, compassion, and a commitment to relieve pain and suffering
3. Role model effective communication skills in challenging situations
4. Demonstrate safe, accurate, and complete hand-offs.
5. Assist colleagues in the provision of duties.
6. Takes leadership role of teaching healthcare team

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