

**Family Medicine Residency**

**In-house I Rotation (updated June 2021)**

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**Rotation Goal**

Admission, evaluation, treatment and appropriate specialty consultation of adult hospitalized patients from either the ER, outpatient transfer, or directly from the UT clinic. During the rotation residents will become familiar with the following:

- obtaining adequate information through history and physical examination with assistance as needed from faculty and upper level residents.
- writing admission orders for admissions including labs for further diagnostic evaluation and treatments.
- evaluation of patients with unstable vital signs and incorporating ACLS protocol into resuscitation of patients as needed.
- quality care markers and published guidelines for specific disease states such as congestive heart failure exacerbation, acute coronary syndromes, and pneumonia.
- discussing overall situation, plan of care and prognosis of patients who are being admitted to the hospital.
- follow patients admitted to the hospital on a daily basis including those in the critical care unit and determine appropriate day to day lab/imaging orders and management plans.

**Supervision**

Supervision is provided by direct observation by 2<sup>nd</sup> and/or 3<sup>rd</sup> year residents, direct observation by faculty, and verbal consultation with 2<sup>nd</sup> and 3<sup>rd</sup> year residents and/or faculty.

**Rotation Objectives**

By the end of the Internal Medicine In-house I rotation, PGY I residents are expected to expand and cultivate skills and knowledge learned during previous training and to achieve the following objectives based on the six general competencies. The resident should exhibit an increasing level of responsibility and independency as he or she progresses throughout the year.

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
Patient Care	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	Under direct supervision, perform the following procedures generally performed on the Inhouse Internal Medicine Rotation (procedures denoted with an “*” are optional) <ul style="list-style-type: none"><li>• Advanced cardiac life support</li><li>• Admission to cardiac monitor/telemetry (10)</li><li>• Admission to intensive care unit</li><li>• <i>Number of Admissions</i> (15)</li><li>• Medical Resuscitation (10)</li></ul>	Conferences/Didactics Grand Rounds Patient Assessment Case Presentations Self-Directed Learning	Direct Feedback Global Evaluation In-training Exam QA Review	Daily Monthly Annually Monthly

	<ul style="list-style-type: none"> <li>• X-Ray Interpretation (10)</li> <li>• Electrocardiogram interpretation (25)</li> <li>• *Endometrial biopsy (1)</li> <li>• Fracture management simple non-displaced (5)</li> <li>• Foreign body removal (1)</li> <li>• Laceration repair (5)</li> <li>• Lumbar puncture adult (3)</li> <li>• *Lumbar puncture pediatric (3)</li> <li>• I&amp;D abscess or cyst (3)</li> <li>• Intrauterine device placement and removal (3)</li> <li>• Joint aspiration and injection (1)</li> <li>• Nasogastric intubation (1)</li> <li>• *Pediatric Advanced Life Support</li> <li>• *Neonatal Advanced Life Support</li> <li>• Regional anesthetic block (1)</li> <li>• Skin biopsy (1)</li> <li>• Soft tissue injections (1)</li> <li>• Uncomplicated joint reduction (3)</li> <li>• Wound debridement (2)</li> <li>• Bone marrow biopsy in adults (1)</li> <li>• Diagnostic paracentesis (1)</li> <li>• Diagnostic thoracocentesis (1)</li> <li>• Paracentesis (1)</li> <li>• Thoracocentesis (1)</li> <li>• Central venous access (10)</li> <li>• Intubation (5)</li> <li>• Procedural Sedation (5)</li> <li>• Eye Exam for Foreign Body (1)</li> <li>• Trauma Resuscitation (5)</li> <li>• Medical Resuscitation (10)</li> <li>• Anterior nasal packing (1)</li> <li>• Arterial puncture (1)</li> </ul>			
	<p>Develop skills that allow for up to date, compassionate care of the adult patient admitted to the hospital while integrating evidence based medicine, local standards of</p>	<p>Conferences/Didactics Grand Rounds Patient Assessment</p>	<p>Direct Feedback Global Evaluation In-training Exam</p>	<p>Daily Monthly Annually</p>

	care, nationally defined quality care markers and specialty recommendations upon consultation	Case Presentations	QA Review	Monthly
	Describe reasonable and safe methods of outpatient follow-up of patients upon discharged	Conferences/Didactics Grand Rounds Patient Assessment Case Presentations	Direct Feedback Global Evaluation In-training Exam QA Review	Daily Monthly Annually Monthly
	Develop skills to provide adequate, compassionate communication between the patient and medical staff	Conferences/Didactics Grand Rounds Patient Assessment Case Presentations	Direct Feedback Global Evaluation In-training Exam QA Review	Daily Monthly Annually Monthly
	Describe recommended plans of care for patients including diagnostic testing, initiation and alteration of medications, and specialty consultation	Conferences/Didactics Grand Rounds Patient Assessment Case Presentations	Direct Feedback Global Evaluation In-training Exam QA Review	Daily Monthly Annually Monthly
	Under direct supervision, perform a comprehensive history and physical examination of the adult patient	Conferences/Didactics Grand Rounds Patient Assessment Case Presentations	Direct Feedback Global Evaluation In-training Exam QA Review	Daily Monthly Annually Monthly
Medical Knowledge	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	Develop basic understanding of the normal anatomy and physiology.	Conferences/Didactics Grand Rounds Patient Assessment Case Presentations	Direct Feedback Global Evaluation In-training Exam QA Review	Daily Monthly Annually Monthly
	Develop a basic knowledge of the following diseases commonly seen on the Internal Medicine Inhouse rotation: <ul style="list-style-type: none"> <li>• Cardiovascular conditions including cardiac arrest, myocardial infarction, dysrhythmias, congestive heart failure, hypertension, cardiomyopathies, pericarditis and coronary artery disease.</li> <li>• Gastrointestinal disorders including hepatitis, cirrhosis, pancreatitis, colitis, diverticulitis, cholecystitis, peptic ulcer disease, and bowel obstruction.</li> <li>• Management and diagnosis of fluid and electrolyte disorders including hypo/hyperkalemia, hypo/hypermnatremia, hypo/hypercalcemia, and acidosis/alkalosis.</li> </ul>	Conferences/Didactics Grand Rounds Patient Assessment Case Presentations Self-Directed Learning	Direct Feedback Global Evaluation In-training Exam QA Review	Daily Monthly Annually Monthly

	<ul style="list-style-type: none"> <li>• Endocrine conditions including diabetes mellitus, thyroid disorders, adrenal diseases, and lipid disorders.</li> <li>• Renal conditions including urinary tract infections, nephrolithiasis, acute and chronic renal failure and obstruction.</li> <li>• Hematologic conditions including anemia, coagulopathies, mononucleosis, polycythemia, and major hemaglobinopathies.</li> <li>• Musculoskeletal conditions including back pain, rheumatoid arthritis, collagen vascular diseases and osteoarthritis.</li> <li>• Infectious diseases (bacterial, viral, and fungal) that are commonly encountered in the adult population.</li> <li>• Neurological conditions including stroke/TIA's, seizures, meningitis, coma, movement disorders, dementia, delirium, nerve entrapment syndromes and tumors.</li> <li>• Pulmonary disorders including asthma, COPD, bronchitis, pneumonia, thromboembolism, fibrosis, neoplasms, respiratory failure and evaluation of pulmonary function testing.</li> </ul>			
	Develop a basic knowledge of the evaluation and appreciation of pathology (as noted above) as well as normal variants in organ function in the older patient.	Conferences/Didactics Grand Rounds Patient Assessment Case Presentations	Direct Feedback Global Evaluation In-training Exam QA Review	Daily Monthly Annually Monthly
	Describe the common disorders of the adult medical patient with assistance from upper level residents and faculty	Conferences/Didactics Grand Rounds Patient Assessment Case Presentations	Direct Feedback Global Evaluation In-training Exam QA Review	Daily Monthly Annually Monthly
Practice Based Learning and Improvement	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Family Medicine Objectives for a comprehensive list.			
	Identify strengths, deficiencies and limits in one's knowledge and expertise; set learning and improvement goals; and identify and perform appropriate learning activities	Conferences/Didactics Grand Rounds Patient Assessment Case Presentations	Direct Feedback Global Evaluation In-training Exam QA Review	Daily Monthly Annually Monthly

	Locate, appraise and assimilate evidence from scientific studies related to their patients' health problems (i.e., use information technology to optimize learning and evidence-based resources)	Conferences/Didactics Grand Rounds Patient Assessment Case Presentations Self-Directed Learning	Direct Feedback Global Evaluation In-training Exam QA Review	Daily Monthly Annually Monthly
	Participate in the education of patients, families, students, residents and other health professionals, as documented by evaluations of a resident's teaching abilities by faculty and/or learners	Conferences/Didactics Grand Rounds Patient Assessment Case Presentations	Direct Feedback Global Evaluation In-training Exam QA Review	Daily Monthly Annually Monthly
Interpersonal and Communication Skills	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Family Medicine Objectives for a comprehensive list.			
	Communicate effectively with families	Conferences/Didactics Grand Rounds Patient Assessment Case Presentations	Direct Feedback Global Evaluation In-training Exam QA Review	Daily Monthly Annually Monthly
	Research and describe community resources available to patients and their families	Conferences/Didactics Grand Rounds Patient Assessment Case Presentations	Direct Feedback Global Evaluation In-training Exam QA Review	Daily Monthly Annually Monthly
	Describe the mechanisms for psychosocial support and counseling	Conferences/Didactics Grand Rounds Patient Assessment Case Presentations	Direct Feedback Global Evaluation In-training Exam QA Review	Daily Monthly Annually Monthly
	Convey information in a clear and concise manner to patients, families, and other health professionals (i.e., use appropriate vocabulary choice, realistic outcomes, and working with difficult patients and family)	Conferences/Didactics Grand Rounds Patient Assessment Case Presentations	Direct Feedback Global Evaluation In-training Exam QA Review	Daily Monthly Annually Monthly
Professionalism	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Family Medicine Objectives for a comprehensive list.			
	Develop skills to provide compassionate and high quality care to all patients regardless of gender, age, culture, race, religion, disabilities, sexual orientation or socioeconomic class	Conferences/Didactics Grand Rounds Patient Assessment Case Presentations Press Gainey Survey	Direct Feedback Global Evaluation In-training Exam QA Review	Daily Monthly Annually Monthly

	Behave in a professional manner	Conferences/Didactics Grand Rounds Patient Assessment Case Presentations Press Gainey Survey	Direct Feedback Global Evaluation In-training Exam QA Review	Daily Monthly Annually Monthly
	Participate in discussion with patients and family about “difficult situations” involving poor outcomes, poor prognosis, and/or risk versus benefit of various treatment modalities including terminal illnesses such as malignancy and chronic illnesses with poor outcome potential such as advancing dementias	Conferences/Didactics Grand Rounds Patient Assessment Case Presentations Press Gainey Survey	Direct Feedback Global Evaluation In-training Exam QA Review	Daily Monthly Annually Monthly
Systems-Based Practice	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Family Medicine Objectives for a comprehensive list.			
	Summarize the considerations of cost awareness and risk-benefit analysis in patient care	Conferences/Didactics Grand Rounds Patient Assessment Case Presentations	Direct Feedback Global Evaluation In-training Exam QA Review	Daily Monthly Annually Monthly
	Advocate for quality patient care and optimal patient care systems	Conferences/Didactics Grand Rounds Patient Assessment Case Presentations	Direct Feedback Global Evaluation In-training Exam QA Review	Daily Monthly Annually Monthly
	Describe the role of various ancillary modalities of patient care that are available including physical and occupational therapy, speech therapy, nutritional education, developmental assessment and subspecialty referral.	Conferences/Didactics Grand Rounds Patient Assessment Case Presentations	Direct Feedback Global Evaluation In-training Exam QA Review	Daily Monthly Annually Monthly
	Develop an understanding of coding and billing	Conferences/Didactics Grand Rounds Patient Assessment Case Presentations	Direct Feedback Global Evaluation In-training Exam QA Review	Daily Monthly Annually Monthly
	Work effectively in various health care delivery settings and systems relevant to their clinical specialty and work in interprofessional teams to enhance patient safety and improve patient care quality	Conferences/Didactics Grand Rounds Patient Assessment Case Presentations	Direct Feedback Global Evaluation In-training Exam QA Review	Daily Monthly Annually Monthly

**Educational Resources**

1. [www.uptodate.com](http://www.uptodate.com) (available free through [www.utdol.com](http://www.utdol.com) in Jackson General Hospital based computers)
2. The Washington Manual of Medical Therapeutics, 2<sup>nd</sup> edition
3. Practical Guide to The Care of the Medical Patient, Fred Ferri 6<sup>th</sup> edition
4. [www.epocrates.com](http://www.epocrates.com)
5. [www.emedicine.com](http://www.emedicine.com)
6. ACLS Handbook
7. Tarascon Internal Medicine
8. Current Clinical Strategies in Family Medicine 2006 edition