



Endocrinology Curriculum

NGMC- Family Medicine Residency Program
Gainesville, Ga

PGY: 2-3

Description of Rotation:

This is a 2-week block or elective nephrology experience with direct supervision by board certified Endocrinology. Supplemental longitudinal learning in the FMP supervised by Family Physician Faculty is also expected. Residents will attend consults in the hospital as well as see patients in endocrine clinic. Because management of diabetes and thyroid disease a very important to the overall curriculum of FM, there is an additional month on these topics during didactic sessions.

Overall Goals of Endocrinology Rotation:

- To demonstrate competence in the ambulatory and hospital care of patients with common endocrine and metabolic disorders, including competency in the performance of an appropriately directed history and physical examination, selection and interpretation of laboratory studies, and determination of treatment.
- To describe the pathophysiology, clinical manifestations, and natural history of the listed clinical syndromes.

Patient Care Objectives and Competencies

- PC-1: Cares for Acutely ill or injured patients in urgent and emergent situations in all settings.
- PC-2: Cares for patients with chronic conditions.
- PC-3: Partners with the patient, family, and community to improve health through disease prevention and health promotion.
- PC-4: Partners with the patient to address issues of ongoing signs, symptoms, or health concerns that remain over time without clear diagnosis despite evaluation and treatment, in a patient-centered, cost-effective manner.

Objectives:

- Obtain a thorough and pertinent history of the patient's endocrine-related problems and complaints in the ambulatory and hospital settings
- Determine family, social, and medication history relevant to the patient's endocrine problems
- Perform a competent general Physical Examination with emphasis on the following skills:
 - Non-dilated fundoscopy
 - Use of an exophthalmometer.
 - Direct neck examination (thyroid palpation)
 - Male breast examination (gynecomastia)
 - Testicular examination
 - Diabetic foot examination
 - Identify necrobiosis lipoidica
 - Identify xanthelasmas and xanthomas



- Determine body mass index
- Determine the indications for the following diagnostic procedures:
 - Thyroid fine needle biopsy
 - Thyroid scintigraphy
 - Thyroid ultrasound
 - Cosyntropin or CRH stimulation tests
 - Dexamethasone suppression test
 - Pituitary computed tomography (CT) or magnetic resonance imaging (MRI)
 - Adrenal CT or MRI
 - Transvaginal ultrasound
 - Testicular ultrasound
 - Commonly used radioimmunoassay tests

Medical Knowledge Objectives and Competencies

- MK-1: Demonstrate medical knowledge of sufficient breadth and depth to practice family medicine.
- MK-2: Applies critical thinking skills in patient care.

Objectives:

- Demonstrated understanding and application of key facets of the following endocrine and metabolic disorders:
 - Diabetes Mellitus
 - Lipid Disorders
 - Interpretation of thyroid function tests
 - Calcium and Bone Metabolism
 - Hypothalamus and Pituitary
 - Adrenal Disorders
 - Gonadal Disorders
 - Endocrine Neoplasia Syndromes

Interpersonal and Communication Skills Objectives and Competencies

- C-1: Develop meaningful, therapeutic relationships with patients and families.
- C-2: Communicates effectively with patients, families, and the public.
- C-3: Develops relationships and effectively communicates with physicians, other health professionals, and health care teams.
- C-4: Utilizes technology to optimize communication



Objectives:

- Consistently establish rapport with patients and staff.
- Present cases in a logical, focused manner and outline impressions that can be justified based on the clinical data.
- Work as an effective team member with staff, dietitians, nurses, diabetes educators, and attending physicians.
- Write or dictate an appropriately thorough clinical record entry in standard form.

Practice Based Learning and Improvement Objectives and Competencies:

- PBLI-1: Locates, appraises, and simulates evidence from scientific studies related to the patients' health problems
- PBLI-2: Demonstrates self-directed learning
- PGLI-3: Improves systems in which the physician provides care

Objectives:

- Analyze and evaluate practice experiences and implement strategies to improve the quality of patient care.
- Use information technology and other available methodologies to access and manage information, support patient care decisions and enhance both patient and resident education.
 - Use device technology, in particular all available Diabetes management devices (meters, pens, pumps) and learn to instruct patients in same when appropriate, to support patient care decisions and enhance both patient and resident education.

Professionalism Objectives and Competencies:

- PROF-1: Completes a process of professionalization
- PROF-2: Demonstrates professional conduct and accountability
- PROF-3: Improves systems in which the physician provides care

Objectives:

- Arrive at the office or hospital promptly, well-prepared with identified learning issues.
- Assume responsibility for patient welfare.
- Demonstrate the effective utilization of case related clinical learning through availability and appropriate follow-up
- Demonstrate independent initiative in commitment to identify and follow through with learning issues.
- Seek feedback from attending physicians.
- Model effective teaching skills to students and peers.
- Comply with Residency dress code.

Systems Based Practice Objectives and Competencies

- SBP-1: Provides cost-conscious medical care
- SBP-2: Emphasizes patient safety
- SBP-3: Advocates for individual and community health



- SBP-4: Coordinates team-based care

Objectives:

- Understand and utilize the multidisciplinary resources necessary to care optimally for patients
- Use evidence-based, cost-conscious strategies in the care of patients
- Demonstrates collaboration with other members of the health care team, including residents at all levels, fellows, attendings, medical students, nurses, pharmacists, occupational/physical therapists, nutritional specialists, patient educators, social workers, case managers, and providers of home health services
- Effectively utilizes of medical consultants, including knowing when and how to request consultation, and how best to utilize the advice provided
- Demonstrates willingness and ability to teach medical students and interns
 - Effectively leads the team, including interns, medical students, nurses, pharmacists, case managers, and social workers