

Welcome to the Pediatric Endocrinology! Our team looks forward to your joining us. Please contact the faculty and fellow on service the day before you begin rotation to coordinate where to meet. In general, plan to arrive before 8:00 am for morning report in room 4433. After that, you will meet with the in-patient team for education and rounds and you will then proceed to clinics as assigned. You should be prepared to assist with consults and see patients in clinics. You will have some days where you are “first call” for consults and follow-up of inpatients (8am-5pm) so please check our Peds Endo Amion schedule (see below). In addition, you will be assigned to round with the team and take first calls on occasional weekend days (also 8am-5pm).

To best prepare for this rotation please do the following:

- 1) Read these goals and objectives on pages 2-6, log into New Innovations, and “sign off” that you’ve read them.
- 2) Contact our Department Administrator, Ashley Sammons, at 334-1384 or wheelera@peds.ufl.edu to be given the names and numbers of the fellow and attending on duty for your first week.
- 3) Login to amion.com, password: uflpedsendo1 (case sensitive) to see which clinics you have been assigned to attend and to see when you are assigned to the consult service or weekend rounds.
- 4) Begin thinking of your goals and objectives for the rotation (topics/diagnoses you’d like to see and/or master) and begin to develop a learning plan. Be ready to share them during the first week.

If you have any questions, please do not hesitate to ask me as the rotation leader or the attending and fellow on service. We’re happy to answer any questions you may have.

General Purpose and Goals

The goal of this elective is to allow the resident or student to acquire sufficient familiarity with common pediatric endocrine problems to deal with them intelligently at the general pediatric level. We hope to provide you with an appreciation of the normal variation in growth and development and when referral to a pediatric endocrinologist is indicated. Successful completion of the elective should allow you to approach the pediatric board examination with confidence and meet long-term professional career goals.

By completing the elective in pediatric endocrinology you should not expect to become proficient in the field. Nevertheless, by participating in the various activities of the division in the hospital, in outpatient clinics, and in diabetes summer camping and weekend retreat programs, you will be exposed to a diversity of pediatric endocrine problems.

In clinic you will work with diabetes educators, nutritionists, research coordinators, and members of the Psychology department who assist in difficult psychosocial cases. You are encouraged to talk to all personnel associated with the multiple aspects of our clinical and research practice to learn more about pediatric endocrinology. You will be expected to interact courteously and professionally with all team members (professionalism, communication).

In order to ensure that all residents have adequate exposure to all aspects of pediatric endocrinology, residents or students attending diabetes camp (June, July or August) will be asked to separate their rotation into 2 week blocks such that they will have 2 weeks of the rotation during a non-camp month. We will work with you as well as the chief residents to coordinate your rotation for the best possible educational experience.

The Division of Pediatric Endocrinology has produced a detailed curriculum which will introduce you to the field of pediatric endocrinology. You will be expected to read the curriculum and engage in further reading/literature searches as needed for patient care and to satisfy your curiosity. You will be lent a copy of Styne's Pediatric Endocrinology to use as your primary reading source during the rotation. This must be returned before you complete the rotation. You are strongly encouraged to read this brief review of pediatric endocrinology in its entirety during your rotation. (PBL, medical knowledge, professionalism).

Please read the following learning objectives carefully to know and be fully aware of learning objectives and expectations for this rotation.

Specific Objectives

Residents and students taking this elective will be expected to attain the necessary skills to manage common pediatric endocrine problems. The endocrine syllabus has been divided into three categories in which different degrees of expertise are expected at the termination of the rotation. These are: Highly competent, i.e. the resident should acquire detailed knowledge of the topic and be able to diagnose and manage most patients with this condition and recognize those requiring referral for definitive diagnosis and treatment. Competent, i.e. the resident should acquire general knowledge of the condition and be able to diagnose and treat with consultative help. Aware, i.e. the resident or student should be aware of the condition but should refer the patient to the subspecialty service for evaluation and management.

- Highly Competent
 - Short stature
 - Failure to thrive
 - Obesity
 - Nutritional rickets
 - Puberty-normal variations
 - Adrenarche
 - Thelarche
 - Gynecomastia
 - Delayed puberty
- Competent
 - Childhood goiter
 - Congenital hypothyroidism
 - Acquired hypothyroidism
 - Precocious puberty
 - Cryptorchidism
 - Turner syndrome
 - Klinefelter syndrome
- Aware
 - Diabetes mellitus in children
 - Education of the family of a newly diagnosed patient
 - Outpatient management
 - Diabetic ketoacidosis
 - Complications of diabetes
 - Adrenal insufficiency
 - Congenital adrenal hyperplasia
 - Hypoglycemia
 - Cushing syndrome
 - Growth hormone deficiency and therapy for non-GH deficiency states
 - Thyroid nodules, carcinoma
 - Disorders of the adrenal medulla
 - Adrenal and gonadal tumors
 - Endocrine hypertension
 - Ambiguous genitalia
 - Epidemiology, etiology, and prevention of
 - Autoimmune endocrinopathies

- Disorders of calcium, phosphate, and Vitamin D (other than nutritional rickets)
 - Parathyroid deficiency states
 - Hyperparathyroidism
 - Metabolic bone disease
 - Neonatal calcium and phosphate disorders
- Disorders of water balance
 - Diabetes insipidus (central, nephrogenic)
 - SIADH
- Hyperlipidemia

Specific Learning Experiences

1. Inpatient Service – Depending on the length of your rotation with our service you may be assigned to follow patients on the inpatient and consult services. When you are assigned to the inpatient service you may be assigned to take “first calls” for new consults, follow ups, and patient calls from 8:00am-5:00pm from Monday-Friday. In addition, you will be assigned to round with the consult team on one Saturday and Sunday morning during your rotation (check Amion for assignments). Residents should pre-round on inpatients and consults so that rounds flow smoothly and there is time for teaching. Residents are expected to be on time for rounds. Residents are expected to present their patients accurately and concisely. Residents are expected to read about their patients and participate actively in rounds. The attending on service will coordinate with the resident and the on service fellow how inpatients and consults will be assigned. (professionalism, practice based learning, medical knowledge, patient skills).
2. Outpatient Clinics- Clinic experiences are available all day Monday, Tuesday afternoon, all day Wednesday, Thursday morning, and Friday morning (see Schedule below). Residents will be assigned to clinics via Amion. Clinic attendance will be the primary focus of the elective as the majority of pediatric endocrinology involves outpatient work-up. Residents will be working under the direction of an Attending Physician. Patients will be put into rooms by the Nurse. Take this time to review the chart. Residents should refrain from discussing the patient or reviewing the chart in any general area. Make sure that the door is closed in the Clinic Conference Room when patients are being discussed. (PBL, medical knowledge, professionalism). Patients should be seen promptly and courteously. Residents will identify themselves to the patient, obtain the history and perform the physical examination, and present to one of the clinic Attendings who will review the history and physical findings with the patient/patient’s family. Residents are expected to complete EPIC notes for all patients. Students will not be required to complete EPIC notes. Please complete EPIC charts promptly- at the end of the day at the latest (professionalism, PBL, patient skills).
3. Nutrition - In the first week of the rotation, residents should schedule a session with our nutritionist to discuss the nutritional aspects of Diabetes and Obesity with a focus on carbohydrate counting and low fat diets (medical knowledge).

4. Diabetes Education - In the first week of the rotation, residents should schedule a session with one of the C.D.E.'s to discuss practical aspects of diabetes management. Attending the education session for a newly diagnosed diabetes patient is a priority and will be encouraged in lieu of attending clinic. This session should include discussions on the various types of meters, insulin delivery devices, etc. (medical knowledge).
5. Referrals to the Endocrine Service - Every Tuesday morning, residents will review with the attending the previous week's referrals to the endocrine service. Residents will be expected to make recommendations as to whether/how quickly the new referrals should be seen based on a review of the chart and reading (PBL, medical knowledge).
6. Fellow's Core Conference / Journal Club - Students and Residents are expected to attend the weekly Core Conferences (Thursday 3:00-4:15) where a didactic lecture will be given by a fellow or attending related to an important topic in pediatric endocrinology. On alternate weeks interesting cases are reviewed, board review questions are studied or journal club is held. We recognize the potential conflict with the Core lecture series of the Residency Program, so the decision on which lecture to attend will depend on the lecture topic and the interests of the resident. You will need to bring your lunch. (MK, PBL).
7. Resident Pediatric Endocrine Presentation - The last Thursday of the rotation, residents are expected to present a 30 minute review of a topic which was of interest during the rotation. The presentation should include a short literature review of the topic (PBL, medical knowledge).
8. Endocrine Testing - Early in the rotation, residents should acquire a familiarity with provocative hormone testing by observing/assisting with a test. These are usually scheduled for Monday and Friday mornings during Endocrine Clinic (PBL, patient skills, medical knowledge).
9. On Call - Residents will not take home call during this elective
10. Evaluations - Residents will be evaluated by all pediatric endocrine attendings with whom they have had contact and with the Division nurses/nutritionists with whom they have worked.

Weekly Schedule *(These are guidelines and flexibility is possible within the schedule)*

Monday

- 7:30 AM In-patient rounds
- 8:00 AM Endocrine clinic
- 8:00 AM Diabetes clinic
- 1:00 PM Diabetes clinic

Tuesday

- 8:00 AM Morning report followed by in-patient rounds **or** Endocrine clinic (4th Tuesday)
- 8:30-9:00 AM Inpatient teaching rounds
- 1:00 PM Obesity/lipid clinic
- 1:00 PM (1st and 3rd Tues of Month) – Diabetes clinic

Wednesday

- 8:00 AM Diabetes clinic
- 8:00 AM Endocrine clinic
- 1:00 PM (1st and 3rd Weds of Month) – Diabetes clinic
- 1:00 PM Endocrine clinic

Thursday

- 8:00 AM Grand Rounds
- 8:30-9:00 AM Inpatient teaching rounds
- 9:00 AM Diabetes clinic
- 3:00-4:15 PM Core Conference

Friday

- 7:30 AM In-patient rounds
- 8:00 AM Morning Report
- 9:00 AM Endocrine clinic
- 1:00 PM Fellow's clinic (students/residents are not required to attend)

We welcome you to our Department and hope to make this a fun and instructive month for you. Please feel free to approach any of us with questions, concerns or suggestions.

Sincerely,

Michael Haller, MD, MS-CI

Associate Professor of Pediatrics

Endocrinology Fellowship Director

Department of Pediatrics, Division of Endocrinology

University of Florida College of Medicine

Office: J-591 **E-Mail:** hallemj@peds.ufl.edu

Fax: 352.273.9364 **Phone:** 352.273.9234