

# 2105 Pediatric Endocrinology

Course: Pediatric Endocrinology Course Number: PED 2105

Department: Pediatrics

Faculty Coordinator: Soumya Adhikari, MD

Assistant Faculty Coordinators: N/A

UTSW Education Coordinator Contact: Anthony Lee ([Anthony.Lee@UTSouthwestern.edu](mailto:Anthony.Lee@UTSouthwestern.edu))

Hospital: (Location of rotation) Children's Medical Center

Periods Offered: 1-12

Length: 4 weeks

Max # of Students: 2 (Post Clerkship Students): 3 by Special Permission

First Day Contact: Attending on Duty

First Contact Time: 8:00am

First Day Location: Children's Medical Center –Pavilion 4<sup>th</sup> Floor Endocrine Clinic (Physician's Touchdown)

Prerequisites: PED 1801 Pediatric Core Clerkship

## I. Course Description

Students will be integrated into the endocrinology clinic at Children's and have the opportunity to evaluate children referred for the full spectrum of childhood endocrine concerns, including disorders of growth, puberty, thyroid and adrenal function, in addition to diabetes. Students will also have the opportunity to participate as learners in our diabetes education classes (ranging from basic to more advanced classes including insulin pump therapies).

<u>Goals</u>	<u>Objectives</u>	<u>Assessment Methods</u>
<p><b>Patient Care:</b> Students must demonstrate the ability to manage patients under supervision at the level to prepare them for internship. Students must demonstrate compassionate, appropriate and effective patient care in health problems and promotion of continuity of care.</p>	<ul style="list-style-type: none"> <li>Evaluate new patients and returning patients in clinic and present them to their attending and formulate a plan of therapy commensurate with their training.</li> <li>Collect, assemble and interpret relevant history and physical findings.</li> <li>Create and maintain complete and accurate medical records.</li> <li>Order and evaluate diagnostic studies under supervision.</li> <li>Communicate with the other health care professionals and referring physicians as needed or</li> </ul>	<ul style="list-style-type: none"> <li>Quality of Medical Records entries</li> <li>Skills evaluation from direct observation.</li> </ul>

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<p><b>Medical Knowledge:</b> Students must become familiar with the major pediatric endocrine diagnoses requiring outpatient evaluation and treatment, which promote the development of clinical problem-solving skills.</p>	<ul style="list-style-type: none"> <li>• Demonstrate knowledge that would allow for independent assessment and appropriate problem solving skills of outpatient pediatric endocrine patients.</li> <li>• Demonstrate knowledge in the management of outpatients with common endocrine diseases. For <i>Example: Diabetes (Type 1 and 2), Hypothyroidism, Hyperthyroidism, Precocious Puberty, Pediatric Brain Tumors with endocrine manifestations, and Short stature.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Each student is required to create a case presentation and to present it to the faculty and fellows during the rotation. It is recommended that students present an interesting case they encountered during their rotation. However, they are also permitted to present on a topic of interest that relates to pediatric course topic.</li> </ul>
<p><b>Interpersonal and Communication Skills:</b> Students must be able to demonstrate interpersonal and communication skills that result in effective information exchange with health care professionals and families.</p>	<ul style="list-style-type: none"> <li>• Give case presentations in a clear, concise, organized and relevant manner.</li> <li>• Communicate appropriate information to the family (and patient) concerning management and clinical course.</li> <li>• Be an integral member of the medical care team and exchange information effectively with other health care professionals.</li> </ul>	<ul style="list-style-type: none"> <li>• Observations of faculty and staff.</li> </ul>
<p><b>Practice-Based Learning and Improvement:</b> Students must be able to assimilate scientific evidence to improve their patient care practices.</p>	<ul style="list-style-type: none"> <li>• Demonstrate proper evidence based decisions.</li> <li>• Demonstrate appropriate use of educational resources for self-education, including medical literature and on-line medical information.</li> </ul>	<ul style="list-style-type: none"> <li>• Each student is required to create a case presentation and to present it to the faculty and fellows during the rotation. It is recommended that students present an interesting case they encountered during their rotation. However, they are also permitted to present on a topic of interest that relates to pediatric course topic.</li> <li>• Critical review of a relevant article.</li> </ul>
<p><b>Professionalism:</b> Students must demonstrate attitudes and professional behavior appropriate for clinical practice, which encompass professional responsibilities, adherence to ethical principles and sensitivity to diverse patient populations.</p>	<ul style="list-style-type: none"> <li>• Accurate representation of data</li> <li>• Ethically sound decisions</li> <li>• Professional appearance</li> <li>• Attendance in clinic and conferences on time</li> <li>• Respect for patients' confidentiality</li> <li>• Mature behavior</li> <li>• Sensitivity to culture, genders and disabilities</li> </ul>	<ul style="list-style-type: none"> <li>• Observations of faculty and staff.</li> </ul>

### II. Methods of Instruction

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## **Didactic: (*Schedule, Topic and Faculty*)**

- Teaching will be primarily through outpatient clinical experience. The student will attend approximately 8-9 half-day clinics each week. Students will work with the Attendings, Endocrinology Fellows and Pediatric House Staff who take the Pediatric Endocrine Elective. The student will be given an electronic syllabus for their use on the rotation to read relevant articles on patients seen in clinic.

## **Clinical: (*Schedule, Faculty Teaching and House-Staff Teaching*)**

- See description above.

### **III. Overview of Student Responsibilities**

Student will see patients in the Diabetes and Endocrine Clinics. Each patient will be reviewed by the Attending physician. The student will present patients to the Attending and each work-up will be evaluated and approved by the attending physician. Students will also be expected to attend conferences scheduled during the rotation.

### **IV. Method of Evaluation of Students and Requirements**

Students will be evaluated on the achievement of the objectives of the course. The attending physician will evaluate the student's performance and submit both a grade and a written evaluation. Similarly, evaluation of the elective by the student will include achievement of the stated objectives of the course.