

DEPARTMENT OF PEDIATRICS

PEDIATRIC ENDOCRINOLOGY ELECTIVE

Course Director: Renee Bargman, MD

Duration: 4 Weeks

GOALS

To acquaint the student with the evaluation, work-up and treatment of children presenting with various pediatric endocrinologic problems.

EDUCATIONAL OBJECTIVES

The student becomes part of the team in the Division of Pediatric Endocrinology. Objectives for the elective include:

- to further the development of the thoughtful and organized approach to patients with complaints related to endocrinology
- to gain familiarity with the clinical presentation, diagnosis and management of patients with different endocrine complaints; to use the evidence based medicine approach to diagnosis and treatment of such patients.

CLINICAL EXPERIENCE

1. The student will participate in the inpatient and outpatient evaluation and consultation of all children referred to the service. The medical student will work closely with the pediatric resident, and the findings will be discussed with the attending physician.
2. The medical student will become familiar with the appropriate techniques used in the endocrine practice for the evaluation, history and physical examination of the patient. After a careful and thorough history and physical examination, the student will be expected to develop a cogent differential diagnosis and appropriate work-up; this will be presented to the attending physician for discussion.
3. All of the appropriate laboratory testing used in the work-up of the patient will be discussed. This will include: laboratory tests, bone ages and other radiologic tests and stimulation testing.
4. Participation in the continuity of care of the patient with endocrinologic problems.
5. The student will become familiar with devices used in the treatment of diabetes such as insulin pens and pumps

DIDACTIC EXPERIENCE

Formal didactic/teaching sessions with the attending physicians are held on a regular basis. Topics include:

- Normal growth and development
- Disorders of stature
- Disorders of puberty
- Disorders of calcium metabolism and rickets
- Diabetes Mellitus type 1 and 2
- Obesity
- Thyroid disorders
- Disorders of sodium metabolism
- Disorders of the adrenal gland

EVALUATION METHOD

Clinical observation will be completed mainly by the course director.

RECOMMENDED READING

Pediatric Endocrinology (Core Handbook Series in Pediatrics) by Dennis M. Styne
Pediatric Endocrinology: The Requisites in Pediatrics Thomas Moshang Jr. MD