

DEPARTMENT OF INTERNAL MEDICINE

ENDOCRINOLOGY ELECTIVE

Course Director: Kenneth Hupart, MD

Duration: 4 Weeks

GOALS

During the four weeks of the elective, medical students will become familiar with the pathophysiology, diagnosis, and management of endocrine disorders. In order to achieve this goal they must:

- Achieve basic knowledge of the normal physiology of the endocrine glands.
- Become facile in obtaining a history specific to endocrine and metabolic disorders.
- Learn to perform a physical examination with particular attention to the multi-system manifestations of endocrine diseases.
- Develop the ability to form a comprehensive endocrinologic differential diagnosis.
- Appreciate how to plan a logical, cost-effective work-up of patients with specific endocrinologic disorders.
- Learn to interpret common endocrine laboratory tests and hormone measurements.
- Have specific understanding of the long-term management of patients with diabetes mellitus, thyroid disease, osteoporosis, and lipid disorders.

OBJECTIVES

During the elective, students will acquire in-depth skills and knowledge by:

- Performing endocrinology consultations supervised by the endocrinology fellow and endocrinology attending.
- Making formal consultation rounds five days per week.
- Attending the general endocrinology clinic weekly, the diabetes clinic at least once weekly, and the monthly metabolic bone and hyperlipidemia clinics.
- Attending and participating in the weekly endocrine division conferences, which include endocrine grand rounds, journal club, and nuclear medicine conference, students must also attend the Department of Medicine grand rounds.
- Observing the performance of fine-needle thyroid aspiration and thyroid ultrasound examinations at the thyroid biopsy clinic.
- Reading general endocrinology with specific attention to the disorders affecting the patients they are assigned and presenting a subject review during consultation rounds.
- Learning about Diabetes mellitus type 1 and 2, Thyroid Disease, Disorders of Calcium Metabolism, Metabolic Bone Disease, Endocrine Hypertension and Lipid Disorders.

SUGGESTED READING MATERIAL

Harrison's Principles of Internal Medicine by Eugene Braunwald, Anthony S. Fauci, Dennis L. Kasper, Stephen L. Hauser, J. Larry Jameson, Richard M. Stone.

Cecil's Textbook of Medicine by Lee Goldman, Dennis Arthur Ausiello, William Arend, and James O. Armitage.

Williams Textbook of Endocrinology
by Henry M. Kroneberg & al.

CLINICAL EXPERIENCE

Through CLINICAL EXPERIENCE students will learn the rudiments of:

- Cortrosyn (rapid ACTH) test.
- Dexamethasone suppression test.
- Bone densitometry tests (DXA).
- Hormonal responses to stress and hypoglycemia.
- Different modalities of thyroid gland imaging.
- The use of dynamic hormone testing and when imaging is indicated.

DIDACTIC EXPERIENCE

The medical student will be expected to participate in all departmental lectures and conferences.

EVALUATION METHODS

- Clinical observation by attending physicians
- Evaluation by endocrine fellows
- Participation in rounds and conferences

HOW TO APPLY

If you are interested in applying, please call 516-572-5399 or visit us at www.numc.edu.