

Title: Endocrine Surgery Selective

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Students per session: 1

Description: The Endocrine Surgery Selective is a four week experience to provide students with an in-depth exposure to the specialty of Endocrine Surgery. Students will actively participate in all aspects of patient care, including pre-operative and post-operative assessment of patients with thyroid cancer, other thyroid diseases, hyperparathyroidism, and adrenal tumors. Students will assist in the operating room and will get extensive exposure to thyroid and parathyroid ultrasound, ultrasound-guided fine needle aspiration, and fiberoptic laryngoscopy. The attending endocrine surgeons are committed to maximizing learning opportunities for students on the service. Students will be expected to present cases at our twice monthly Endocrine Surgery conferences.

Integration of Disciplines: The Endocrine Surgery Service is uniquely positioned to take advantage of the goals of the Curriculum for the 21st Century. Weekly sessions seeing patients with medical Endocrinologists will be an integral part of the Selective. In addition, students will have at least two formal didactic sessions with a Basic Science Endocrine Biologist. The biologic basis of endocrine disease is crucial to the understanding of the disease processes that will be encountered in this Selective.

Goals of the Selective: Students will experience an in-depth exposure to Endocrine Surgery, and will learn the pre-operative and post-operative assessment of patients with thyroid cancer, other thyroid diseases, hyperparathyroidism, and adrenal tumors. Students will become familiar with indications for surgery, work up and operative management of endocrine surgery diseases.

Objectives of the Selective:

- Understand the basic mechanisms of endocrine diseases
- Describe the appropriate pre-operative evaluation of patients with thyroid and adrenal lesions
- Perform an appropriate physical examination of the neck

Key Responsibilities:

The student will be an important part of the Endocrine Surgery team. They will attend:

Endocrine Surgery operations

Daily rounds

Pre-and-post operative office hours

All resident teaching conferences

In addition each student will be assigned responsibility for 2-4 inpatients on the Endocrine Surgery service.

Didactic Program: Each student will be assigned one of the attending Endocrine Surgeons as her/his Preceptor. A routine day will include daily rounds with residents as well as abundant teaching in the operating room and during office hours. Bi-monthly Endocrine Surgery conference, monthly Multidisciplinary Endocrine Conference, and weekly M & M conferences are mandatory. In addition, students will select a topic based on

a case observed in the operating room and will have at least two meetings with their Basic Science Preceptor to discuss the biologic mechanisms of disease.

Method of Evaluation: The students will be evaluated on their performance by both the senior surgical resident and the faculty, including input from their Endocrine Surgery and Basic Science Preceptors. Students are encouraged to participate in endocrine surgery-related research with Dr. Kopal Patel, which can be initiated during this rotation and pursued during the subsequent academic year(s). Evaluation will be based upon the level of knowledge displayed by the student on a daily basis, the depth of his or her reading, and the clinical performance as evaluated by the residents and faculty.