

## 630E Endocrinology

This course is for UC Irvine students only  
*MS3 needs Division approval before enrolling in rotation.*

**Course Description:** During the Endocrinology elective, students will see patients with endocrine problems such as thyroid disease, diabetes, hyponatremia, hypertension, pituitary tumors, steroid hormone abnormalities, etc. The patient is examined by the student, re-examined by a Fellow and discussed in a formal conference with the Faculty members.

**Department:** Internal Medicine

**Prerequisites:** UC Irvine students must have successfully completed the basic science curriculum and the Ambulatory and Internal Medicine Clerkships. MS3 needs Division approval before enrolling in rotation.

**Restrictions:** UC Irvine students only

**Elective Director:** Ellis R. Levin, M.D., LBVAMC, Department of Medicine, 5901 East Seventh Street, 11-1111, Long Beach, CA 90822, (562) 826-5264, ellis.levin@med.va.gov

**Instructing Faculty:** Steven Chessler MD, Ping Wang MD, Constance Chen MD, Paul Rosenblit MD, Ellis Levin MD, Bogi Andersen MD, Yung-In Choi MD, Qin Yang MD, Samar Singh MD.

**Course Website:** None

**Who to Report to First Day:** contact site coordinator

**Location to Report on First Day:** UCI Medical Center, Pav 1

**Time to Report on First Day:** 12 PM

**Site Coordinator:** Viviana Hernandez, City Tower, Suite 400 - Cubicle 2, Orange California, 92868, (714)456-3870, vzakariy@uci.edu

**Site:** UC Irvine Medical Center and LBVA

**Periods Available:** Throughout the year

**Duration:** 2-4 weeks

**Number of Students:** 2

**Scheduling Coordinator:**

**UC Irvine students** must officially enroll for the course by contacting the Scheduling Coordinator via email or phone (714) 456-8462 to make a scheduling appointment.

**Course Objectives:** At the end of this rotation the student will:

- be capable of completing a history and physical on a patient with endocrine problems.
- be capable of writing up and presenting patients

- be knowledgeable in diagnoses of endocrine problems
- be capable of managing emergencies and diseases of endocrine origin

- be capable of evaluating and managing endocrine conditions in patients admitted to other services
- Demonstrate professionalism by attending all assigned rounds, lectures and conferences

#### Key Topics:

- Hypothyroidism
- Hyperthyroidism
- Thyroid Cancer
- Thyroid Nodules
- Osteoporosis
- Hypogonadism
- Diabetes
- Endocrine Hypertension
- Pituitary Tumors
- Competencies:
  - Know the approach to diagnosis and treatment of diabetes
  - Know the approach to diagnosis and treatment of thyroid disease

#### Attitudes and Commitments:

- Learn to listen to the complaints of the patients and integrate the complaints with the physical exam

#### Educational Activities:

- Wednesday: 9:30 AM - Lecture at Gottschalk Plaza, UCI
- Friday: 1 PM - Journal Club/Case Presentation at LBVA

**What Students Should do to Prepare for the Rotation:** Prepare by reading the endocrinology section in Step-up to Medicine and endocrine focused articles on Up to Date such as management of diabetes, hypothyroidism, and hyperthyroidism.

**Clinical Responsibilities of the Student:** The student will take a problem focused history, complete physical examination and look up relevant studies. These will be orally presented to the attending faculty or fellow.

**Patient Care Responsibilities:** The student will be allowed to independently write orders/prescriptions at some clinics and will order them with the assistance of a fellow at other clinics.

**Call Schedule of the Student:** None

**Procedures to be Learned by the Student:** None

**Percentage of Time Student will Participate in Ambulatory Setting:** 80%

#### Conference/Lecture/Small Group Sessions:

- Developmental endocrinology, growth and development, sexual differentiation and pubertal maturation
- Pathogenesis and epidemiology of diabetes mellitus

- Gestational diabetes mellitus and diabetes mellitus in the pregnant patient
- The biochemistry of steroid hormone synthesis
- Obesity and metabolism
- The endocrine clinical laboratory: basic laboratory techniques, quality control, quality assurance and proficiency standards
- Cytological interpretation of fine needle aspiration of the thyroid
- Signal transduction pathways and biology of hormone receptors-focus on thyroid hormone receptors and other nuclear receptors

#### Course Hours Weekly Summary:

1.0	Case Based
1.0	Conference
14.0	Clinic
8.0	Inpatient
1.0	Lecture
1.0	Operating Room
8.0	Other: reading, writing, journaling
35.0	Total

#### Content Theme Integration:

- Biostatistics
- Decision Making
- Genetics & Genetics Counseling
- Human Sexuality
- Nutrition
- Practice Management
- Preventive & Health Maintenance
- Technology Assessment

#### Recommended Reading:

- Williams, Textbook of Endocrinology
- Up to Date articles on diabetes/hypothyroidism/hyperthyroidism
- Endocrinology section of Step-Up to Medicine

**Official Grading Policy:** The student will receive a grade of Honors, Pass or Fail. The student's final grade will be submitted on the standard UC Irvine elective form. The student will be evaluated by attendings and residents in the areas of case presentation technique, physical examination technique, ability to get along with superiors and peers, and attitude and motivation to further knowledge. Evaluation of all the above is made throughout the training period.