

## 630A Basic and Clinical Immunology

**Course Description:** Types of patients seen at the Inpatient and Outpatient Service are those with asthma, allergic rhinitis, urticaria, drug allergy, hypersensitivity lung diseases, immunodeficiency diseases, and immunological disorders including HIV. Attending rounds are required to evaluate inpatients and consultations are seen by Immunology fellows and faculty. There are eight outpatient clinics a week; six allergy and two immunology.

**Prerequisites:** UC Irvine students must have successfully completed the basic science curriculum, Ambulatory and Internal Medicine Clerkships. Extramural students must be in their final year of undergraduate medical education curriculum.

**Restrictions:** None

**Department:** Internal Medicine

**Elective Director:** Sudhir Gutta, M.D UC Irvine School of Medicine, Department of Medicine, Med Sci 1, Room C249, Irvine, CA 92697, (949) 824-5818

**Instructing Faculty:** Sudhir Gupta, M.D., Asal Gharib, M.D.

**Course Website:** None

**Who to Report to First Day:** Mitzi Vanhorn, Program Coordinator.

**Location to Report on First Day:** Schedule & instructions will be e-mailed to you prior to your start day, otherwise ;Mitzi Vanhorn Office, Med Sci 1, Room C240, Irvine, CA 92697, 949.824.5818, [vanhornm@uci.edu](mailto:vanhornm@uci.edu)

**Time to Report of First Day:** 8:00 am

**Scheduling Coordinator:** UC Irvine students please email [comsched@uci.edu](mailto:comsched@uci.edu) or call (714) 456-8462 to make a scheduling appointment. Please read the following information carefully. Any student enrolled at a U.S. LCME medical school will use VSAS to apply. To apply please refer to this website <http://www.aamc.org/programs/vsas/>. International and osteopathic students will not use VSAS. To apply please refer to the application link towards the top-left of this page.

**Site Coordinator:** Mitzi Vanhorn, UC Irvine School of Medicine, Department of Internal Medicine, Division of Immunology, Med Sci 1, Room C240, Irvine, CA 92697, 949.824.5818, [vanhornm@uci.edu](mailto:vanhornm@uci.edu)

**Site:** UC Irvine Medical Center

**Periods Available:** Throughout the year except for the month of July and the last two weeks in December

**Duration:** 2 weeks

**Number of Students:** 2

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**Course Objectives:** At the end of this rotation the student will be able to...

- Perform an adult and pediatric allergy and immunology history and examination and recognize normal and abnormal findings of the upper and lower respiratory track including the nasal passages.
- Demonstrate knowledge of the normal function of these organ systems and the pathogenesis especially allergic, immunologic and infectious diseases of these organ systems including genetic and biomolecular mechanisms where known.
- Demonstrate knowledge of basic immunologic and allergic principles
- Demonstrate knowledge of recommended treatments and the evidence used to formulate treatment recommendations
- Demonstrate knowledge of the mechanism of action, safety and side effects of medications  
Capable of instructing patients to use medications especially various spray and inhalers
- Demonstrate knowledge of allergen avoidance and environmental control measures

**Key Topics:**

- Rhinosinusitis
- Asthma
- Food and drug reactions
- Anaphylaxis
- Urticaria
- Atopic dermatitis
- HIV
- Common immune deficiencies

**Competencies:**

- How to conduct a thorough allergy history
- How to examine the respiratory system including the nose
- How to treat common allergic disorders

**Attitudes and Commitments:**

- Take time to listen to the patients and develop a rapport through mutual respect.
- Recognize that we all have limitations and patients need support in tolerating and understanding their illness
- Understand that patients need to be instructed about all aspects of diagnostic and treatment recommendations so they are compliant and can participate in managing their illness safely

**Educational Activities:** The student will perform independent patient examinations. Each new and returning patient will be presented to an attending including pertinent findings, assessment and diagnostic and treatment plan. The attending will confirm and discuss the findings and appropriateness of the assessment, diagnostic tests and treatment modalities. They will be taught how to interpret some of the common tests performed by an allergist/immunologist. The student is responsible for

reading about the common conditions seen by an allergist/immunologist. Most students will present and critique a journal article at the weekly journal club.

**What Students Should do to Prepare for the Rotation:** Arrive promptly

**Clinical Responsibilities of the Student:** The student will perform independent patient examinations and then presenting the patient to the attending

**Patient Care Responsibilities:** The student will evaluate patients, retrieve historical data, observe tests performed in the clinics such as skin tests, PFTs, challenges and fiberoptic rhinoscopy.

**Call Schedule of the Student:** None

**Procedures to be Learned by the Student:** Proper use of sprays and inhalers

**Percentage of Time Student will Participate in Ambulatory Setting:** 70%

**Conference/Lecture/Small Group Sessions:** There are no standardized lectures for this rotation.

**Course Hours Weekly Summary:**

5.0	Case Based
4.0	Conference
20.0	Clinic
5.0	Other: reading, writing, journaling
34.0	Total

**Content Theme Integration:** None

**Recommended Reading:** To be assigned during the rotation

**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 attendance, knowledge base, clinical skills, motivation, professionalism and interpersonal skills. The student will receive feedback from on an on-going basis. If the student fails the elective a grade of "F" will be permanently recorded on his/her transcript. The student can repeat the course for a second grade, however, the "F" will not be removed from the transcript.