

PED1-4050/F & PED1-4050/H PEDIATRIC ALLERGY & IMMUNOLOGY

Course Policies and Procedures

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Faculty

The faculty and fellows assigned to the Outpatient and Inpatient Service for the month will supervise students in the evaluation and management of patients.

Introduction

A general introduction/welcome/description of the course and its activities

This clinical allergy/immunology elective is designed to give the student an understanding of the basic principles of diagnosis and management of children with allergic and immunologic diseases. The emphasis of this elective will be on the evaluation and treatment of the following atopic diseases: asthma, allergic rhinitis, atopic dermatitis, food allergy, urticaria, and insect sensitivity. Another part of the elective is the evaluation and treatment of children with recurrent infections. Appropriate reading assignments will be given during the elective. In addition, the student will participate in the weekly allergy immunology conference, fellow's asthma clinic, and allergy/immunology journal club.

Elective Goals

Educational goals of Clinical Immunology Elective are:

1. Develop skills in obtaining history and physical examination pertinent to allergic, immunologic and rheumatologic diseases.
2. Understand diagnostic tests available and the limitations of these tests: percutaneous allergy test, intradermal allergy tests, delayed hypersensitivity test, RAST, patch test, pulmonary function test, methacholine challenge test, other immunological laboratory tests and imaging studies.
3. Discuss basic pathophysiology of asthma, allergic rhinitis, primary immunodeficiency and autoimmune diseases.
4. Discuss new evolving concepts in pathogenesis of allergic, immunologic and rheumatologic diseases through literature search and participation in conferences.
5. Formulate management plans for common allergic, immunologic and rheumatologic diseases.

Elective Objectives

During this elective month, students are exposed to a diverse group of patients with varied allergic and immunologic conditions in the outpatient setting. Students will have contact with all types of allergic conditions in our many Allergy Outpatient Clinics, such as asthma, allergic rhinitis, food allergy, drug allergy, insect allergy, atopic dermatitis, contact dermatitis, allergic rhinitis, urticaria/angioedema and anaphylaxis. Students will see hospital consultation cases under the supervision of an attending physician. In Immunodeficiency clinic, students will acquire experience in caring for primary hypogammaglobulinemias, T cell disorders, such as DiGeorge Syndrome and chronic mucocutaneous candidiasis, and other immunologic conditions such as complement deficiencies and chronic granulomatous disease. Also our students are involved in the care of various rheumatologic disorders in Rheumatology clinic: systemic lupus erythematosus, juvenile rheumatoid arthritis, sarcoidosis, dermatomyositis, mixed connective tissue disease, scleroderma, acute rheumatic fever, reflex sympathetic dystrophy, Sjogren's Syndrome, Behcet's Syndrome, polyarteritis, and myositis.

PROCEDURES: Students will directly observe at least one skin puncture testing and pulmonary function test. If possible, observe intradermal testing, patch testing, methacholine challenge. Other procedures more rarely encountered include drug desensitization, food challenges, and physical urticaria testing.

Attendance and Required Experiences

Students will participate in all rounds and seminars of the section and perform histories and physical examinations on selected patients on the consultation service and clinic patients. Students will be directed to pertinent literature regarding patients being cared for on the service. Student will be responsible for initial evaluation of selected patients. They will follow the patients daily, formulate plans of management and, under the supervision of a student and attending, will write orders and notes on all inpatients. They will review diagnostic results daily on all patients.

Duty Hours

Students should expect to spend 40-80

Students will attend the following clinics on this rotation unless they have other student obligations (i.e. student call/duty hr issue) that interfere:

Rotation Weekly Schedule

| | Monday | Tuesday | Wednesday | Thursday | Friday |
|-------|--|------------------------|-------------------|--------------------|--------------------|
| 7-8 | Consult / Reading | Consult / Reading | Consult / Reading | Consult / Reading | Consult / Reading |
| 8-9 | Consult / Reading | Allergy/Immunol Clinic | Grand Rounds | Allergy Clinic GTW | Allergy Clinic GTW |
| 9-10 | Consult / Reading | Allergy/Immunol Clinic | Consult / Reading | Allergy Clinic GTW | Allergy Clinic GTW |
| 10-11 | Consult / Reading | Allergy/Immunol Clinic | Consult / Reading | Allergy Clinic GTW | Allergy clinic GTW |
| 11-12 | Consult / Reading | Allergy/Immunol Clinic | Consult / Reading | Allergy Clinic GTW | Allergy Clinic GTW |
| 12-1 | CFRI Seminar or J club | | A/I Conference | | |
| 1-2 | Recurrent Infection/ Immunodeficiency | Allergy/Immunol Clinic | Asthma Clinic | Rheumatology | Allergy Clinic GTW |
| 2-3 | Recurrent Infection/ Immunodeficiency | Allergy/Immunol Clinic | Asthma Clinic | Rheumatology | Allergy Clinic GTW |
| 3-4 | Recurrent Infection/ Immunodeficiency | Allergy/Immunol Clinic | Asthma Clinic | Rheumatology | Consult / Reading |
| 4-5 | Recurrent Infection/ Immunodeficiency | Allergy/Immunol Clinic | Asthma Clinic | Rheumatology | Consult / Reading |

Student Evaluation

PROFESSIONAL CONDUCT

In 1986, the College of Medicine established its Code of Professional Conduct. The document, available in *The Centerscope*, addresses those responsibilities to patients, colleagues, family, and community as well as to the individuals themselves. Following discussion with incoming students, it is assumed that all will subscribe to this code as part of their commitment to the profession of medicine. An egregious professionalism violation may be considered grounds for course failure.

DECLARATION OF DISABILITY

Any student who would like to self-disclose as a student with a disability in the College of Medicine at UTHSC must register and officially request accommodations through the Disability Coordinator in Student Academic Support Services (SASS). Regardless of a student's geographic location for experiential education, all requests for accommodations must be submitted with supporting documentation and reviewed for reasonableness by the Disability Consultant. Students should contact Laurie Brooks to set up an appointment to discuss specific needs at lbrook15@uthsc.edu or (901) 448-1452. All conversations regarding requests for accommodations are confidential.

DUTY HOURS

1. Duty hours will be limited to 80 hours per week averaged over a four-week period, inclusive of all in-house call and patient care activities.
2. Continuous on-site duty, including in-house call, will not exceed 30 consecutive hours. Students may remain on duty additional hours to participate in transferring care of patients, conducting outpatient clinics, maintaining continuity of medical and surgical care, and attending required didactic activities.
3. Students will be provided with one day in seven free from all educational and clinical responsibilities, averaged over a rotation, inclusive of call. One day is defined as one continuous 24-hour period free from all clinical, didactic, and administrative activities.
4. Students should be provided with a 10-hour period after in-house call during which they are free from all patient care activities.

STUDENT ASSESSMENT

Students have a formative assessment at the half-way mark of the preceptorship and a summative clinical assessment at the end of the rotation based on clinical performance as defined in the objectives. Students will need to take a test at the end of rotation.

GRADING SCALE (this is the College of Medicine grading scale adopted for the entire curriculum by the CUME, beginning May 2014.)

| <u>Letter Grade</u> | <u>Final Percentage</u> |
|---------------------|-------------------------|
| A | 89.5-100 |
| B | 79-89 |
| C | 67.5-78 |
| F | < 67.49 |

Academic Difficulty

Students having difficulty in the course are strongly encouraged to seek help as soon as possible by seeking advice from the student, fellow, and attending on the service. Students are also encouraged to check with the SASS and the Kaplan Clinical Skills Center to see if academic support is available.

Course Evaluation

Students are strongly encouraged to participate in the Hall Tacket evaluation survey on New Innovations at the conclusion of the course.

Textbooks and Literature

1. Allergy-Immunology Syllabus, Allergy & Asthma Proceedings, 33(3, Suppl No.1), May-June 2012
by Paul A. Greenberger and Leslie C. Grammer

www.allergyasthmaproceedings.com - a loaner printed copy provided

2. Approach to Primary Immunodeficiency by Ashraf Uzzaman and Ramsey L. Fuleihan
Allergy Asthma Proc 33:S91-S95, 2012; doi: 10.2500/aap.2012.33.3560

3. Vickery JD, Michael CF, Lew DB: Evaluation of B Lymphocyte deficiencies.
Cardiovascular & Hematological Disorders - Drug Targets, 13:133-143, 2013