

Title of Clerkship: Allergy/Immunology

Elective Type: Fourth Year Elective

Department: Pediatrics

Type of Elective Clinical x Non-clinical Research _____ Basic Science _____

Clerkship Site: Various community sites – SV Mercy Children’s Hospital, Oak Alley Medical Center, Wood County Pediatrics

Course Number: PEDS704

Blocks available: All – permit required

Number of students per block: 1

Faculty: Lois A. Nelson, MD 2222 Cherry St. Suite 2300, Toledo 43608 419-251-8040 ph 419-251-7715 fax

Elective Description/ Requirements: During this elective, the student will acquire the clinical skills to identify and initiate appropriate management of patients with allergic disorders, asthma and immunodeficiency. Because of the high frequency of patients with these disorders in the general population, this elective should be of considerable practical value to the student planning a career in primary care (Medicine, Pediatrics, Family Practice) and select specialties (e.g., Dermatology and Otolaryngology). Patient population is 50% adult, 50% pediatric.

Rotation consists of 8 to 9 hours per day, 5 days per week. Four to six half days are spent in outpatient clinical activities; inpatient consults usually average 1-3 per week. There is ample time for reading, small group discussion regarding patients and allergy/asthma/immunology topics of interest, and self-directed learning opportunities. Rare consults on weekends, optional.

Length of Clerkship: 4 weeks

Links to Core Competencies
 MK1, MK2, MK3, MK4, MK5
 PC8, MK6

MK7
 PBL6, IPC1, IPC3

PC8
 PC8
 MK6, PC7, PC8

MK5, PC9, IPC1, PBL6

MK5, PC9

MK5, MK6
 MK5, MK6
 PC7
 PBL1, SBP5, PB1-8

Educational Course Objectives: Student should be able to do at least 9 of the following:

1. List at least 3 different ways (symptoms/history/signs) asthma can present AND the differential diagnosis of chronic cough.
2. Describe initial treatment regimen appropriate for mild intermittent asthma, mild persistent asthma, moderate asthma and severe asthma in children and adults.
3. Discuss basic spirometry results and peak flow monitoring as tools in asthma management.
4. Teach basic environmental controls for animals, dust mite, mold, and pollens, as well as the usual times of year of importance for exposure to each of these in this area.
5. List at least 3 complications of allergic rhinitis and identify the patient who should be referred to a subspecialist.
6. Recognize atopic dermatitis, seborrheic dermatitis an initiate treatment.
7. Describe the common presentations for Bruton’s agammaglobulinemia, common variable immune deficiency, T cell deficiency, severe combined immune deficiency, neutropenia, and the 2 most common congenital complement deficiencies. Know how to initiate work-up for the recurrent infections.
8. List at least 4 possible presentations of anaphylaxis/allergic/anaphylactoid reactions. List in order the acute/emergent treatment of the above. List 3 critically important discharge instructions for the patient (parent).
9. Describe the presentation and emergent of a patient with hereditary angioedema. List the distinguishing characteristics of HAE as opposed to chronic urticaria with angioenema.
10. Recognize basic patterns of adverse drug reactions and be able to initiate treatment.
11. Describe the basic approach to the pregnant patient with allergic/immunologic disorders.
12. Discuss the differences between in vitro testing vs. skin testing and when each is indicated.
13. Identify which of the above require an allergy/immunology consult and/or the point at which each of the above should be referred to an allergy/immunologist.

Professionalism: UT/COM students will meet or exceed the institutional standards for professionalism as stated in the current Educational Program Objectives and the current Educational Course Objectives for the Sponsoring Department.

- Instructional Methods:**
1. Ambulatory Care Experience
 2. Grand rounds
 3. Independent study
 4. Interpretation of lab data
 5. Residency program/department conferences

Evaluation methods employed: *(please make selection from CurrMIT list)*

1. Attendance
2. Written Pre-Test and Post-Test. The pre-test is open-book. Both test are discussed with the learner after completion.
3. Faculty observation of encounter (at least 1 full encounter). Physical exam findings are reviewed.

Prerequisites: Successful completion of third year required Pediatric clerkship.

Clerkship Director: Rajat Kaul, MD

Clerkship Coordinator: Joseph Osinski

Phone Number: 419-291-0377

Email: Joseph.Osinski@utoledo.edu

Special Requirements: None

AAMC Hot Topics

Addressed in this

Elective Clerkship:

(please make selection from attached Hot Topic list)

1. Alternative/Complementary Medicine
5. Clinical problem solving/decision making
6. Communication Skills
27. Patient Health Education