

## **Allergy and Immunology Case 2 and Allergy Elective Curriculum**

The Allergy and Immunology Curriculum is designed to provide residents in internal medicine with the fundamental knowledge and skills to recognize, manage, and refer common problems and diseases involving allergy and clinical immunology.

### **GOALS**

#### **SPECIFIC LEARNING OBJECTIVES**

#### **METHODS AND FORMAT**

#### **REFERENCES-READING**

#### **EVALUATION**

### **BASIC ALLERGY AND IMMUNOLOGY SYLLABUS**

### **GOALS**

The general learning goals for internal medicine residents in Allergy and Immunology are shown below. Residents should:

#### **PATIENT CARE:**

- Become proficient in obtaining a focused history and performing an accurate examination in Allergy and Immunology.
- Recognize “can’t miss” diagnoses and conditions requiring emergency management in Allergy and Immunology.

#### **MEDICAL KNOWLEDGE AND SKILL DEVELOPMENT:**

- Acquire knowledge and skills necessary to recognize and manage common diseases in Allergy and Immunology which may present to primary care physicians.
- Learn to do simple office procedures in Allergy and Immunology which are appropriate for primary care practice.

#### **SYSTEMS-BASED PRACTICE:**

- Understand when and how to refer patients with a problem in Allergy and Immunology.
- Become familiar with support services and community and education resources for patients with Allergy and Immunology problems.

#### **PATIENT-BASED LEARNING AND IMPROVEMENT:**

- Learn to access and use educational resources, databases and guidelines for Allergy and Immunology problems

It is also expected that internal medicine residents will continue their development and assessment of INTERPERSONAL AND COMMUNICATION SKILLS and PROFESSIONALISM during BASIC rotations.

## •SPECIFIC LEARNING OBJECTIVES

- To become familiar with the work-up of a patient with IgE-type hypersensitivity and other related disorders
- To obtain more in depth understanding of the pathophysiology of these disorders
- To understand the management of allergic rhinitis and indications for immunotherapy
- To understand the management of mild asthma according to NHLBI guidelines
- To understand the management of food allergies in adults, primarily of the most common one, peanut allergy
- To understand the management of chronic urticaria and angioedema
- To understand the management of anaphylaxis

## METHODS AND FORMAT

**Faculty Coordinator:     *Dr. Sarbjit Saini***  
***(office 550-2129, Room 2B.71; cell 410-978-3706)***

### Clinical Teaching Sessions with Allergy and Immunology Faculty:

It is expected that residents will participate in the evaluation of both new and return patients as scheduling permits. It is also expected that, if residents are not evaluating a patient at any given time, they participate in the presentation and discussion of other patients by the fellow or the attending.

In general, residents are expected to see between one and two new patients and one and two return patients at each session. The syllabus package contains instructions regarding the most important aspects of medical history taking in the allergy clinic.

These aspects will be reviewed by one of the attendings on the first week of the rotation. In addition, we have included skin test forms, as well as instructions regarding allergen immunotherapy; these items will also be reviewed and discussed at the beginning of your rotation.

Our current clinic slots are as follows:

	Monday	Tuesday	Wednesday	Thursday	Friday
AM	Saini/Bochner	Zheng Erekosima Akinyemi	Erekosima Jani Shier	Adkinson Erekosima Silber	Rotating Clinic Erekosima/Akinyemi Limb/Paterniti
PM	Akinyemi/ Tversky	Erekosima Akinyemi Tversky	Conferences 12:30- 2pm (Sept-May); Summer Orientation Series (June-Aug)	Erekosima	Akinyemi  Conference-1:00- 2:00 pm (Sept- May); Summer Orientation Series (June-Aug)

The following schedule for our rotation:

Monday AM: Clinic with Dr. Romi Saini (Dr. Bruce Bochner is backup)

Monday PM: Clinic with Dr. D’Jahna Akinyemi/Dr. Jody Tversky

Tuesday AM: Clinic with Dr. Tao Zheng/Dr. Nikki Erekosima/Dr. D’Jahna Akinyemi

Tuesday PM: Clinic with Dr. Nikki Erekosima/Dr. D’Jahna Akinyemi/Dr. Jody Tversky

Wednesday AM: Clinic with Dr. Nikki Erekosima/Dr. Alpa Jani/Dr. Jerry Shier

Wednesday Conferences (see below)

Thursday AM: Clinic with Dr. Franklin Adkinson/Dr. Nikki Erekosima/Dr. Glenn Silber

Thursday PM: Clinic with Dr. Nikki Erekosima

Friday AM: Rotating Clinic with Dr. Nikki Erekosima/Dr. D’Jahna Akinyemi

Part Time Faculty Clinic: Dr. Susan Limb/Dr. Miya Paterniti

Friday PM: Clinic with Dr. D’Jahna Akinyemi

All A.M. clinics begin at 7:45 a.m.

## SYLLABUS AND CONFERENCES

The Table of Contents is attached to this description, which also includes medical literature addressing the above illnesses, which are most commonly encountered in the allergy clinic. It is important to read through these manuscripts and chapters and discuss any questions with the attendings. They will both give you the opportunity to do so during patient presentations, in the course of the clinics. A few cases and questions that are used in Internal Medicine board review courses are also included.

In addition to the clinic, you are invited to attend our divisional conferences for which the schedule for the month your rotation is taking place is posted in clinic. We highly recommend the Friday 1:00 P.M. – 2:00 P.M. conference, which centers around clinical topics. In addition, Wednesday at 12:30 PM to 2:30 our fellows and faculty present a research conference followed by a clinical teaching conference.

## REFERENCES-READING

- Barker L, Burton J, Zieve P (eds). Principles of Ambulatory Medicine (5<sup>th</sup> ed). Williams & Wilkins, Baltimore, 1998.
- Busse W, Lemanske R. Asthma N Engl J Med 2001; 344: 350-362.
- Irwin RS, Madison JM. The Diagnosis and Treatment of Cough. Primary Care 2000; 343:1715-1721.
- Kaplan A. Chronic urticaria and angioedema. N Engl J Med 2002; 346:175-179
- Naureckas ET, Solway J. Clinical Practice: Mild Asthma. N Engl J Med 2001; 345:1257-1262.
- Sampson HA. Clinical Practice: Peanut Allergy. N Engl J Med 2002; 346:1294-1299.

## EVALUATION

Each resident receives feedback in the context of their daily work with the clinic attending and is more formally evaluated by the AI CASEII director using the on-line "E\*value evaluation system". The residents also have the opportunity to evaluate the rotation using the on-line "E\*value evaluation system".

## BASIC ALLERGY AND IMMUNOLOGY SYLLABUS

TABLE OF CONTENTS (Below documents are in PDF format)

- A) Introduction/Format/Learning Objectives
- B) Dictation Format
- C) Skin Test and other Clinic Forms
- D) Immunotherapy
- E) Allergy and Related Conditions  
(From the Textbook of Ambulatory Medicine)
- F) Allergy & Asthma Proceedings: Northwestern University Allergy-Immunology Syllabus 2012: Residents and Students (to be given out the beginning of your rotation)
- G) Other Literature
  - Hamilos D. Current Reviews of Allergy and Clinical Immunology: Chronic sinusitis. J Allergy Clin Immunol 2000; 106:213-227.
  - Kay AB. Advances in Immunology: Allergy and Allergic Diseases. N Engl J Med 2001; 344:30-37.
  - Nicklas et al. Evaluation and Management of Patients with a History of Anaphylaxis. J Allergy Clin Immunol 1998; 101:S482-S485.
- H) Board Review Questions and Answers

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