ALLERGY AND IMMUNOLOGY

Overview

Allergy and Immunology is a clinic based experience that is offered as a month long elective. The educational purpose of the rotation is to learn to recognize and manage common allergic and immunologic conditions (excluding HIV), and to know when consultation by a subspecialist in Allergy and Immunology is indicated.

Goals

- To teach residents the degree of allergy and immunology necessary to be a competent internist.
- To teach residents the ability to recognize when an internist should consult a subspecialist in Allergy and Immunology.

Objectives

Patient Care

- To learn effectively interview patients with common allergic and immunodeficient diseases (excluding HIV);
- To learn to effectively diagnose and treat common allergic conditions such as rhinitis and asthma;
- To competently perform and know the indications for skin testing;
- To recognize indications for and to correctly interpret laboratory testing in patients with allergic and immunologic disorders; and
- To recognize the need for subspecialty consultation by a subspecialist in Allergy and Immunology

Medical Knowledge (see also below)

- To expand the clinical knowledge of the basic and clinical sciences underlying allergic disease and disorders of the immune system;
- To learn to access and critically evaluate current medical information and scientific evidence relevant to a patients' medical illnesses; and
- To broaden knowledge in the pathophysiology of common allergic and immunodeficiency syndromes.

Practice-Based Learning and Improvement

- To develop a logical and organized approach to the most common allergic diseases and disorders of the immune system;
- To identify deficiencies in one's knowledge, skills and attitudes in the care of the patient with allergic or immunologic diseases;
• To develop strategies for correcting deficiencies in one's knowledge, skills and attitudes in the care of the patient with allergic or immunologic diseases; and
• To evaluate the requesting physician's satisfaction with the services provided by Allergy and Immunology.

Interpersonal Skills and Communication

• To communicate, in a sensitive and effective manner, with patients with allergic or immunologic disease;
• To communicate in an effective manner with the service requesting the consultation to confirm the reason for the consult, and to ensure that the question asked is clear;
• To communicate with the patient's primary care physician early and as often as necessary; and
• To document concisely, with clear, detailed recommendations.

Professionalism

• To be professional in all interactions with patients, families, colleagues and all members of the health care team;
• To ensure patient understanding of their disease and consent to their treatment plans; and
• To effectively educate student and resident colleagues;

Systems-Based Practice

• To communicate with the requesting service in the coordination of their patient's care;
• To assist with scheduling of any tests, treatments or physician appointments to ensure the patient's proper medical care is accomplished; and
• To use evidence-based, cost conscious strategies in the medical care of patients.

Knowledge to be assessed

The resident should have knowledge and understanding of the following medical illnesses/states (though not exclusively):

<table>
<thead>
<tr>
<th>Hereditary complement deficiencies:</th>
<th>Asthma</th>
<th>Congenital immunodeficiencies:</th>
</tr>
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<tbody>
<tr>
<td>Hereditary angioedema C1, C2, and C4 deficiency</td>
<td>Pneumonitis</td>
<td>Agammaglobulina, CVID,</td>
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<tr>
<td>C3 deficiency</td>
<td>Skin testing</td>
<td>IgA deficiency, Wiskott-Aldrich syndrome, DiGeorge syndrome, severe combined</td>
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<tr>
<td>C5-9 deficiencies</td>
<td>Mastocytosis</td>
<td>immunodeficiency</td>
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<tr>
<td>HLA Diseases: ankylosing spondylitis, Reiter syndrome, reactive arthritis, psoriatic arthritis and JRA</td>
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<td>Immune complex disease:</td>
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<td></td>
<td>Serum sickness</td>
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Methods of achieving objectives

- Direct patient care under the supervising Attending
- Didactic (teaching) sessions with the Attending physician.
- Self study using any one of several recommended basic (reference) textbooks of clinical Allergy and Immunology
- Selected handouts and journal articles on pertinent topics
- Core conference series
- OU-Tulsa electronic databases and computerized resources

Assessment tools

- Attending will monitor all aspects of Resident's performance in Allergy and Immunology Clinic.
- Attending will critique Resident's assessment and plan.
- Attending will monitor Resident's self-directed learning.
- Attending will determine whether Resident has met the objectives detailed above.
- In training exam

Evaluation process

- Goals and Objectives will be reviewed with the resident at the beginning of each rotation.
- Resident will sign attestation statement verifying receipt of goals and objectives.
- Verbal feedback throughout and at the completion of the rotation from the Attending.
- Evaluation form completed by the Attending at the conclusion of the rotation, and reviewed with the Resident.
- Resident will sign attestation statement verifying review of evaluation.
- Evaluation submitted to the Administrative Office for review by the PD.