

Elective: Internal Medicine; Clinical Immunology and Adult Allergy

OVERVIEW

During this rotation, the medical student will become familiar with common allergic diseases such as allergic rhinoconjunctivitis, asthma, food and drug allergies, contact dermatitis, and will be exposed to non-allergic conditions such as chronic urticaria and antibody deficiency syndromes. The medical student will also attend weekly teaching sessions.

INTRODUCTION

Location(s):

Clinical Immunology and Allergy Out Patient Clinics at HSC and Grace Hospital.

Preceptors:

Dr. C. Kalicinsky
Dr. R. Warrington

Contact Person:

Lisa Wirth Program Administrator,
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LEARNING OBJECTIVES (CanMEDS)

Medical Expert

As Medical Experts, physicians integrate all of the CanMEDS Roles, applying medical knowledge, clinical skills and professional attitudes in their provision of patient-centered care.

Allergic and non-allergic rhinitis

- immunologic mechanism of allergic rhinitis
- differentiation between irritants and allergens, as well as being able to list seasonal and perennial allergens
- exposure to the technique and interpretation of epicutaneous testing for environmental allergens
- management by means of environmental control measures as well as pharmacotherapy and review indications for immunotherapy
- appropriate use of Immunocap to aid in diagnosis
- perform an appropriate nasal exam

Asthma

- acute and chronic management including environmental control measures and pharmacotherapy
- identification of triggers of exacerbation as well as determination of control status
- counseling / promotion of self-management skills (asthma management plan)
- management of asthma in pregnancy
- appropriate use of Immunocap to aid in diagnosis

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Food allergy

- Immunologic mechanism of food allergy and differentiating this from “intolerance or sensitivity”.
- Exposure to the technique and interpretation of epicutaneous testing for diagnosis of food allergy
- Counseling / promotion of self-management skills, specifically avoidance of the allergic food as well as proper use of epinephrine auto-injector
- Acute management of anaphylaxis
- appropriate use of Immunocap to aid in diagnosis

Drug Allergy

- describe the different potential immunologic and non-immunologic mechanisms of drug allergy.
- Familiarization and interpretation of intradermal testing for diagnosis of beta lactam allergy
- Familiarization with the concept of drug desensitization

Latex allergy

- immunologic mechanism
- diagnosis by means of epicutaneous testing
- counseling with regards to latex avoidance

Venom allergy

- immunologic mechanism
- appropriate utilization of intradermal testing
- identifying patients who would benefit from immunotherapy
- appropriate use of Immunocap to aid in diagnosis

Contact Dermatitis

- immunologic mechanism
- common etiologic agents
- methods of diagnosis by patch testing

Chronic Urticaria

- differentiating the forms of chronic urticaria including chronic idiopathic urticaria, physical urticaria, and urticarial vasculitis
- management

Angioedema

- differentiate the forms of angioedema including C1-esterase inhibitor deficiency, ACE inhibitor induced angioedema, and idiopathic angioedema
- management

Immunodeficiency

- Work up for diagnosis
- Differentiate the various types of immunodeficiency

Communicator

Physicians effectively facilitate the doctor-patient relationship and the dynamic exchanges that occur before, during, and after the medical encounter.

As Communicators, students will facilitate the doctor-patient relationship:

- Obtain and synthesize relevant information from patients, their families, and other health

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professionals

- Accurately convey relevant information and explanations to patients, families, colleagues, and develop a shared plan of care
- Presentation of well documented assessments and recommendations in written and verbal form.
- Accurately convey information with regards to environmental control measures for specific environmental allergy avoidance as well as strategies for avoidance of specific food allergens
- Accurately demonstrate proper technique of inhaler, nasal spray, and epinephrine auto-injector use

Collaborator

Physicians effectively work within a healthcare team to achieve optimal patient care.

As Collaborators, students will work effectively within the surgical team to achieve optimal patient care:

- Work effectively within an inter-professional health care team, specifically with the allergy clinic nurse, receptionist, and secretary

Leader

Physicians engage with others to contribute to a vision of a high-quality health care system and take responsibility for the delivery of excellent patient care through their activities as clinicians, administrators, scholars, or teachers.

As Leaders, students will participate in the activities of the surgical service, making decisions, allocating resources, and contributing to the effectiveness of the health care team:

- Utilize appropriate time management for assessment of patients in the outpatient clinic, as well as inpatient consults

Health Advocate

Physicians responsibly use their expertise and influence to advance the health and well-being of individual patients, communities and populations.

As Health Advocates, students will responsibly use their expertise and influence to advance the health and well-being of individual patients, communities and populations:

- Educating patients and families about, and promoting the importance of, long term healthy behaviors and preventive health such as smoking cessation, environmental control measures at home and in the workplace

Scholar

Physicians demonstrate a lifelong commitment to reflective learning, as well as the creation, dissemination, application and translation of medical knowledge.

As Scholars, students will demonstrate a lifelong commitment to learning:

- Read around cases and recognize gaps in his/her knowledge base in the area of clinical immunology and allergy

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Professional

As Professionals, physicians are committed to the health and well-being of individuals and society through ethical practice, profession-Led regulation, and high personal standards of behaviour.

As Professionals, students are committed to health and well-being of individuals through ethical practice, profession-led regulation and high personal standards of behavior:

- Demonstrate punctuality in clinic attendance and completion of inpatient consults.
- Exhibit appropriate personal and interpersonal professional behaviors.

INFORMATION

Required Reading

Allergy, Asthma and Clinical Immunology Primer will be provided at start of rotation.

Teaching Unit

HSC: GC318 (tel: 204-787-3366),

Grace Hospital: Dorothy Wood Building 4th floor (tel: 204-837-0790)

Evaluations

The Program Administrator will send the medical student their schedule and rotation information at least one week prior to the start date of the rotation.

Exit interview with Dr. Kalicinsky for evaluation and feedback on final day of rotation.

WARD ACTIVITIES

Clinic Schedule

Clinics: Mon-Fri.

Clinic schedule will be provided at start of rotation.

Academic Schedule

Academic Half Day: Wednesdays Noon-3:00pm in Community Services Building FE113.