IMMUNE DISORDERS

OVERVIEW

HYPERSENSITIVITY

TYPE 1 (ANAPHYLACTIC)

TYPE 2 (CYTOTOXIC)

TYPE 3 (IMMUNE COMPLEX)

TYPE 4 (DELAYED-TYPE)

AUTOIMMUNITY

IMMUNODEFICIENCY

HYPERSENSITIVITY

TYPE 1 (ANAPHYLACTIC)

GENERAL CONCEPTS / OVERVIEW

MECHANISMS

TIME COURSE

MECHANISMS

ALLERGENS

SENSITIZATION

MAST CELLS & BASOPHILS

TRIGGERING & INFLAMMATION
SOME HAVE IT, SOME DON'T

FOR A NICE OVERVIEW OF ALLERGIES FROM THE MAYO CLINIC LISTEN TO
http://webhome.broward.edu/~sobenauf/mcb2013/podcasts/What%20is%20an%20Allergy.mp3

CLINICAL MANIFESTATIONS
SYSTEMIC ANAPHYLAXIS (ANAPHYLACTIC SHOCK)
MECHANISMS

CAUSES
INSECTS

MEDICAL PRODUCTS

LOCALIZED ANAPHYLAXIS – ATOPIC DISEASES / ALLERGIES
ALLERGIC RHINITIS (HAY FEVER)
BASIC MECHANISMS

TOP 4 CAUSES

SYMPTOMS

TREATMENT

ASTHMA
BASIC MECHANISMS

CAUSES
SYMPTOMS

TREATMENT

URTICARIA (HIVES)
CAUSES

SYMPTOMS

FOOD ALLERGIES
TOP 10 CAUSES

SYMPTOMS

PROBLEMS

LISTEN TO AUDIO PODCASTS (“IMMUNITY AND ALLERGIES”, “PEANUT ALLERGIES”, ETC) ON ALLERGIES AT http://webhome.broward.edu/~sobenauf/mcb2013/podcasts/podcasts%20audio.html
LISTEN TO A CLINICAL CASE OF TYPE 1 HYPERSENSITIVITY BY CLICKING http://podcast.broward.edu/~sobenauf/breathless.mp3

TYPE 2 (CYTOTOXIC)
GENERAL CONCEPTS / OVERVIEW
TYPE 4 (DELAYED-TYPE)
GENERAL CONCEPTS / OVERVIEW
MECHANISMS

TIME COURSE

CLINICAL MANIFESTATIONS
CONTACT DERMATITIS
SYMPTOMS

TOP CAUSES

TB SKIN TEST

READ CASE STUDIES ON HYPERSENSITIVITY DISORDERS ON MY WEB SITE AT http://webhome.broward.edu/~sobenauf/mcb2013/casestudies/immcas.htm

AUTOIMMUNITY
GENERAL CONCEPTS / OVERVIEW
AUTOANTIBODIES
HEREDITARY
WOMEN

SYSTEMIC LUPUS ERYTHEMATOSUS
MECHANISMS

SYMPTOMS

RHEUMATOID ARTHRITIS
MECHANISMS

SYMPTOMS

MYASTHENIA GRAVIS
MECHANISMS

SYMPTOMS

PERNICIOUS ANEMIA
MECHANISMS

SYMPTOMS
OTHER AUTOIMMUNE DISEASES

READ CASE STUDIES ON AUTOIMMUNE DISEASES ON MY WEB SITE AT
http://webhome.broward.edu/~sobenauf/mcb2013/casestudies/immcas.htm

IMMUNODEFICIENCY

GENERAL CONCEPTS / OVERVIEW

PRIMARY IMMUNODEFICIENCIES

BRUTONS (X-LINKED) AGGAMMAGLOBULINEMIA

DI GEORGE SYNDROME

SEVERE COMBINED IMMUNODEFICIENCY (SCID)

SELECTIVE IgA DEFICIENCY
SECONDARY IMMUNODEFICIENCIES

DRUGS

ALCOHOL

MALNUTRITION

PSYCHONEUROIMMUNOLOGY

INFECTION DISEASES

SECONDARY INFECTIONS

LISTEN TO A PODCAST DEALING WITH IMMUNODEFICIENCY AT
http://webhome.broward.edu/~sobenauf/mcb2013/podcasts/Fungal%20infection%20prevention.mp3