

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

MECHANISMS

TIME COURSE

CLINICAL MANIFESTATIONS
TRANSFUSION REACTIONS

HEMOLYTIC DISEASE OF THE NEWBORN (Rh DISEASE)
MECHANISMS

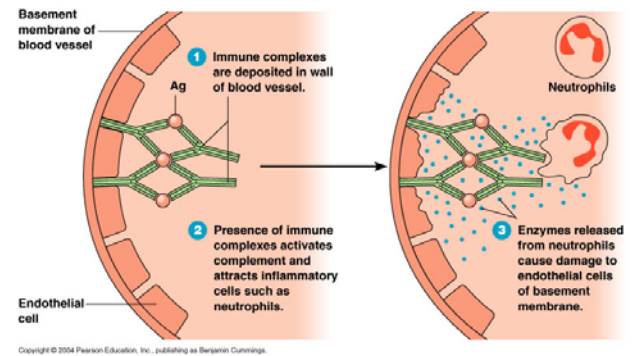
RESULT

TYPE 3 (IMMUNE COMPLEX)
GENERAL CONCEPTS / OVERVIEW
MECHANISMS

TIME COURSE

CLINICAL MANIFESTATIONS
IMMUNE COMPLEX PNEUMONITIS
CAUSES

SYMPTOMS



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

TIME COURSE

CLINICAL MANIFESTATIONS
CONTACT DERMATITIS
SYMPTOMS

TOP CAUSES

TB SKIN TEST

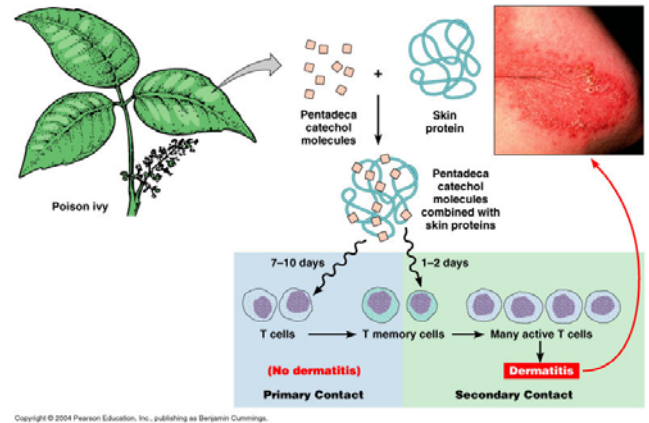
READ CASE STUDIES ON HYPERSENSITIVITY DISORDERS ON MY WEB SITE AT
<http://webhome.broward.edu/~sobenauf/mcb2013/casestudies/immcas.htm>

AUTOIMMUNITY

GENERAL CONCEPTS / OVERVIEW

AUTOANTIBODIES

HEREDITARY



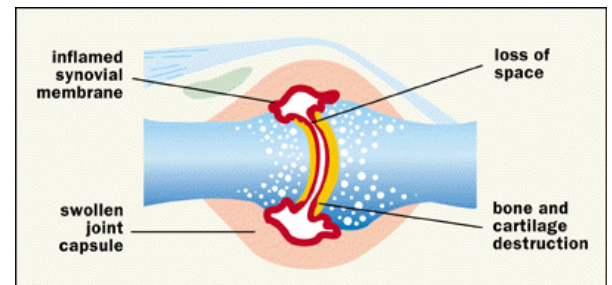
WOMEN

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

INFECTIOUS DISEASES

SECONDARY INFECTIONS

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