

Teaching topics : Disease of immunity

Teaching outline :

A. Mechanisms of hypersensitivity reaction

1. Type I (Anaphylactic type)
2. Type II (Antibody mediated type)
3. Type III (Immune complex mediated)
4. Type IV (Cell mediated)

B. Autoimmune diseases

1. Immunologic tolerance
2. Mechanisms of autoimmune diseases
3. SLE
4. Sjögren's syndrome
5. Systemic sclerosis (Scleroderma)
6. Inflammatory myopathies
7. Mixed connective tissue disease

C. Immunologic deficiency syndromes

1. Primary immunodeficiency
 - X-linked agammaglobulinemia of Bruton
 - Common variable immunodeficiency
 - Isolated IgA deficiency
 - DiGeorge syndrome (Thymic hypoplasia)
 - Severe combined immunodeficiency disease
 - Wiskott-Alderich syndrome
 - Genetic deficiencies of the complement system
2. Acquired immunodeficiency syndrome (AIDS)

D. Amyloidosis