



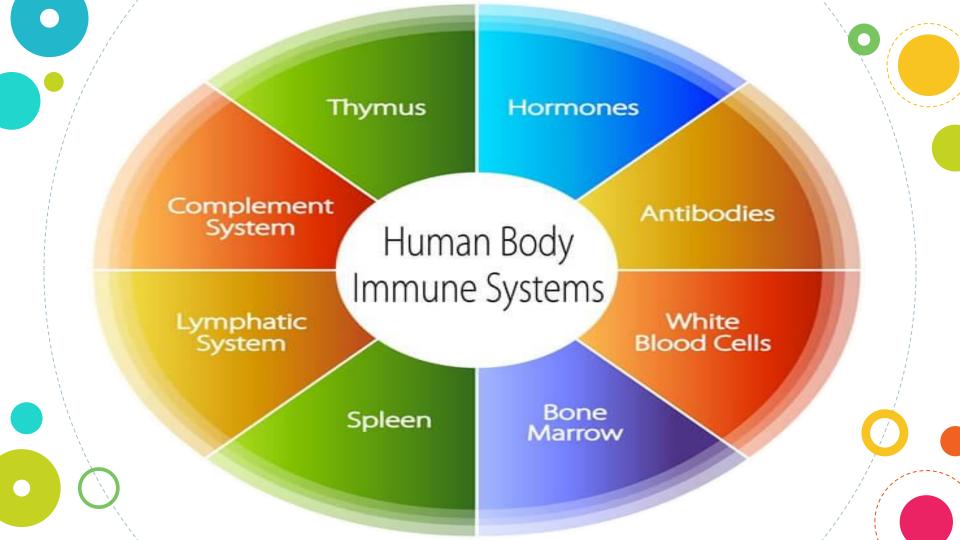
Immunodeficiency Diseases

By: Haneen Anwar & Sanad Wanes



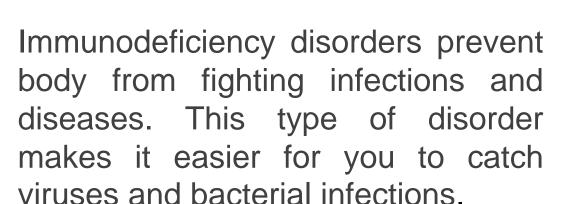
Objectives

- Classify and enumerate immune deficiency diseases.
- Differentiate between primary and secondary immuno deficiency diseases.

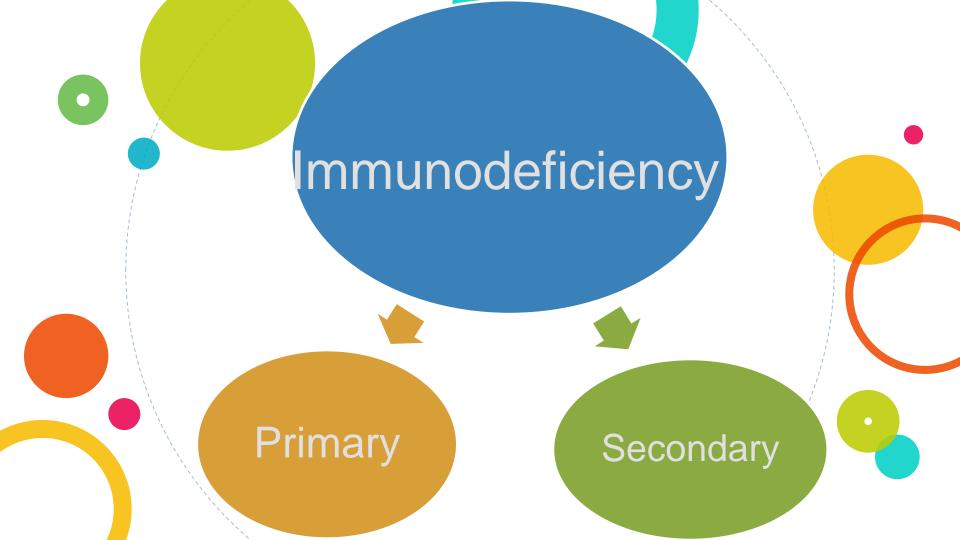




Introduction











Disorders of complement

Disorders of phagocytosis

Disorders of specific immunity

Disorders of specific immunity I. Humoral immunodeficiencies (B-cell defects)

- a. X-linked agammaglobulinemia
- b. Transient hypogammaglobulinemia of infancy.
- c. Common variable immunodeficiency (late onset hypogammaglobulinemia).

d. Selective immunoglobulin deficiencies(IgA, IgM or IgG subclasses).e. Immunodeficiencies with hyper-IgM.f. Transcobalamin II deficiency.

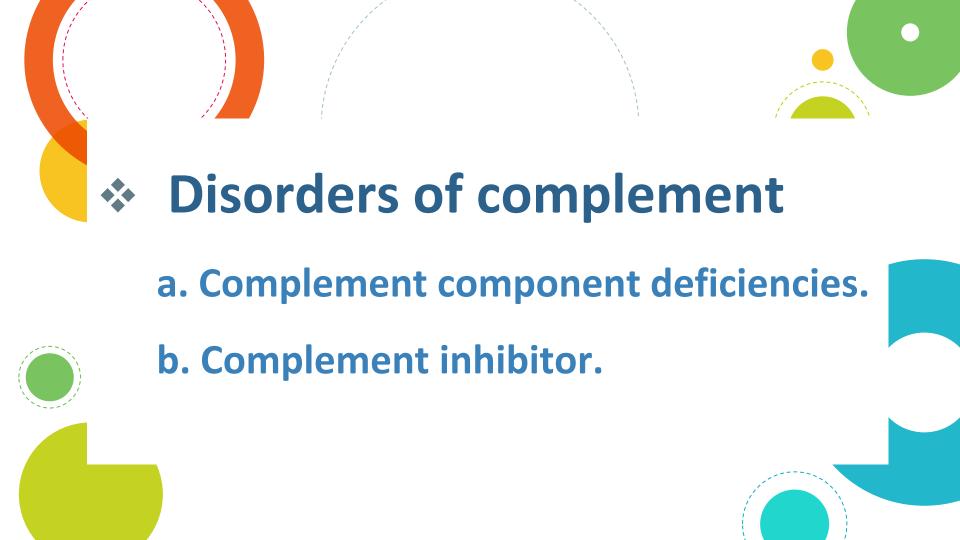


- II. Cellular immunodeficiencies (T-cell defects)
- a. Thymic hypoplasia.
- b. Purine nucleoside phosphorylase (PNP) deficiency.

Disorders of specific immunity

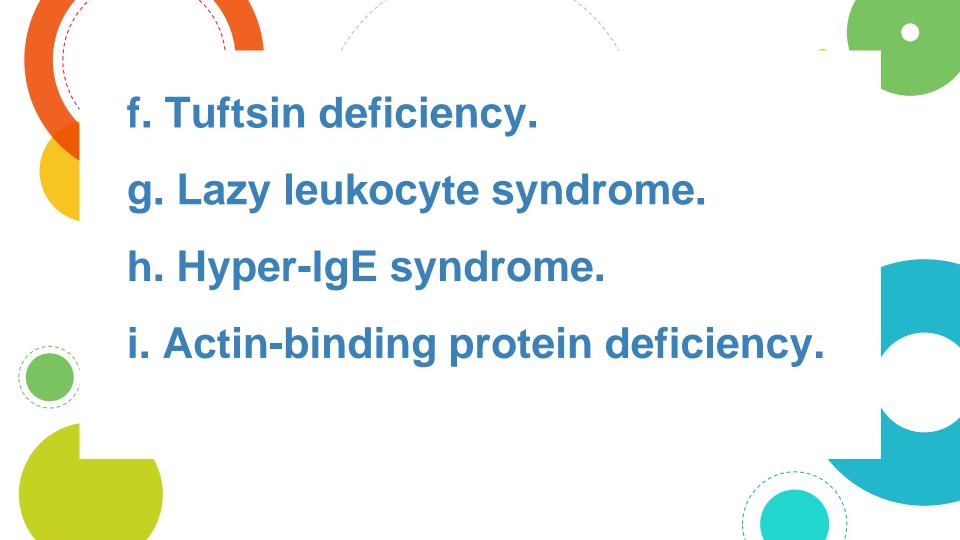
- III. Combined immunodeficiencies (B- and T-cell defects)
- a. Cellular immunodeficiency with abnormal immunoglobulin synthesis (Nezelof syndrome).
- b. Ataxia telangiectasia.
- c. Wiskott-Aldrich syndrome.

- d. Immunodeficiency with thymomae. Immunodeficiency with short-limbeddwarfism
- f. Episodic lymphopenia with
- lymphocytotoxin
 - g. Severe combined immunodeficiency

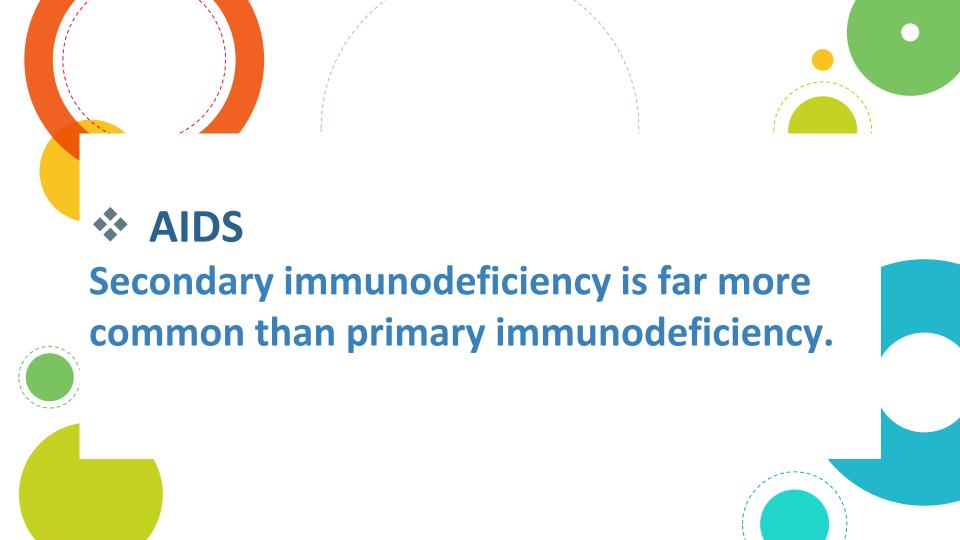


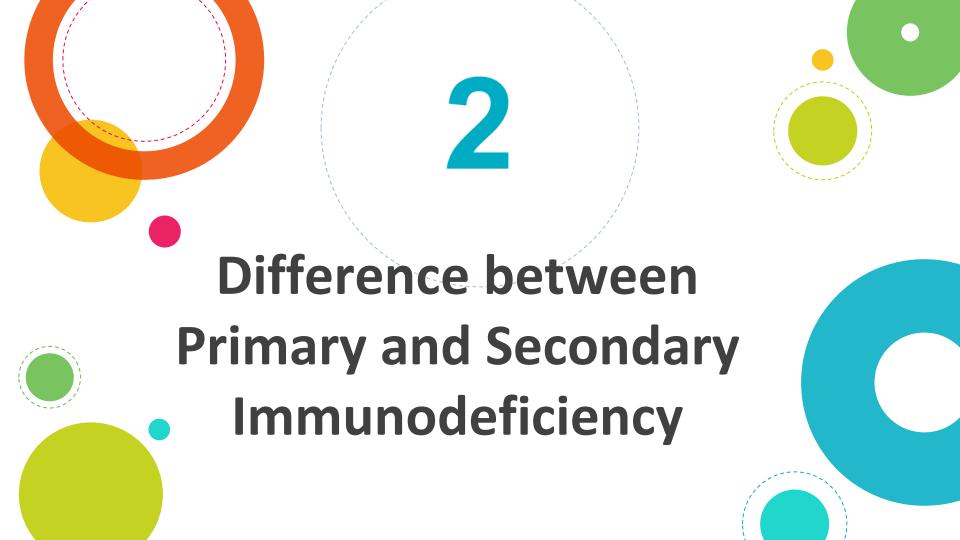
Disorders of phagocytosis

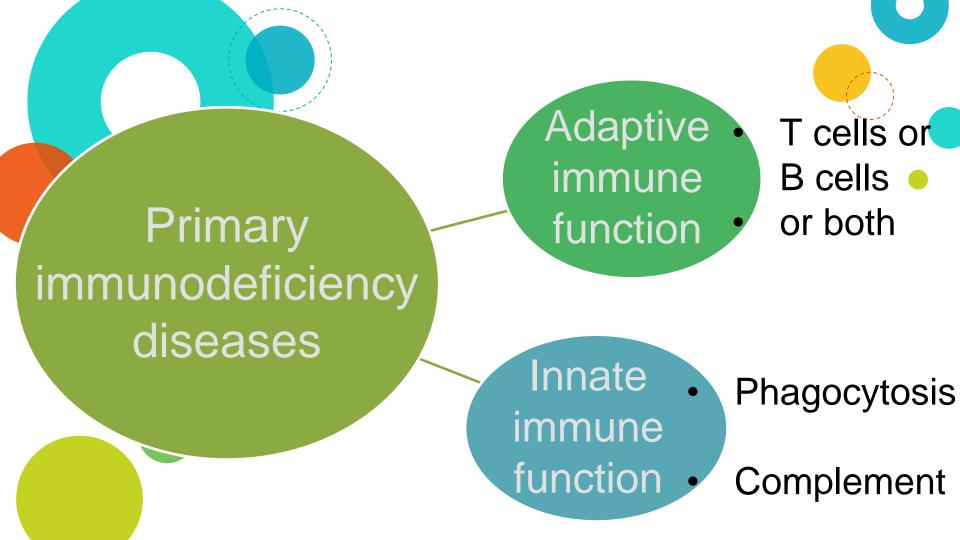
- a. Chronic granulomatous disease.
- b. Myeloperoxidase deficiency.
- c. Chediak-Higashi syndrome.
- d. Leukocyte G6PD deficiency.
- e. Job's syndrome.



Secondary



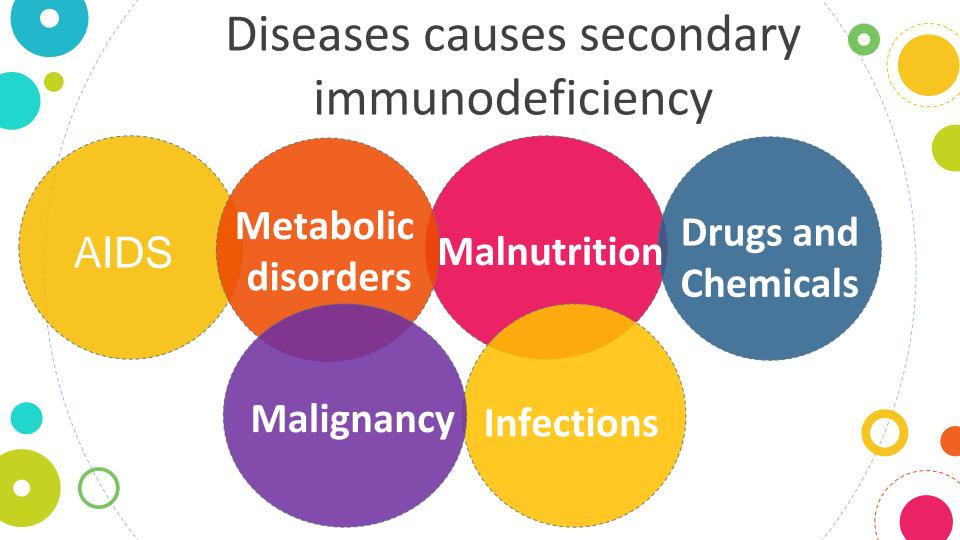






Secondary Immunodeficiency

©Secondary or acquired deficiencies of immunological mechanisms can occur secondarily to a number of disease states. And it's more common than primary immunodeficiency



Summary

