

# Medical Terminology

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# MEDICAL TERMINOLOGY

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## Lymphatic organs

There are four protective organs (lymphoid tissues) that play a role in immunity. They are the **tonsils, spleen, thymus gland, and the appendix**

- Tonsils (tonsill/o is the root): Located in the pharynx, this lymphoid tissue filters bacteria.
- Spleen (splen/o is the root): Located in the upper left quadrant of the abdomen, this lymphatic tissue filters bacteria from the blood and removes old blood cells by means of a process called hemolysis (hem/o means “blood”; -lysis means “destruction of”). The process by which the lymphocytes engulf the bacteria and debris in the spleen is called **phagocytosis** (phag/o means “to ingest”; cyt/o means “cell”; -osis means “abnormal condition of”).
- Thymus (thym/o is the root) gland: Located superior to the heart, this endocrine gland processes lymphocytes and stimulates immunity.
- Appendix (appendic/o is the root): An attachment to the large intestine, it contributes to the development of immunity. **Peyer’s patches** are small bundles of lymphoid tissue located on the walls of the small intestine that help protect against invading organisms.

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## Types of Immunity

1-Natural Immunity

2- Acquired Immunity

3-Artificial Immunity

**Natural immunity** it passed from mother to child before birth.

**Acquired immunity** is obtained when a person acquires an infection disease such as chickenpox.

**Artificial Immunity (immunization)** it is acquired through vaccination, example (flu, hepatitis B, measles).

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## Disorder and treatments

**A Lymphadenitis:** mean inflammation of Lymphatic gland.

**Lymphedema:** (means accumulation of excess fluid) due obstruction of Lymphatic vessels due to tumors or surgical excision.

**Acquired immunodeficiency syndrome (AIDS) :** it is an advanced stage of human ammuo-adenopathy.

**Infectious mononucleosis:** caused by virus and noted by enlarged cervical Lymph node.

**Splenomegaly :**enlargement of spleen seen with other infectious disease.

**Anaphylaxis :** it means without protection life threatening reaction.

**Hodgkin lymphoma:** Chronic malignant disease of the lymph nodes.

**Rheumatoid arthritis :** An autoimmune disorder .

**Lupus erythematosus :** Chronic inflammatory disorder that affects multiple body systems; characterized by a “butterfly rash” over the face.



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## Abbreviation table, the lymphatic system and Immunity

### Abbreviation Table • The Lymphatic System and Immunity

ABBREVIATION	MEANING
AIDS	acquired immunodeficiency syndrome
CBC	complete blood count
HIV	human immunodeficiency virus
HLA	human leukocyte antigen
RA	rheumatoid arthritis
RIA	radioimmunoassay
SLE	systemic lupus erythematosus (usually shortened to lupus), an autoimmune disorder