

The Immune System

By

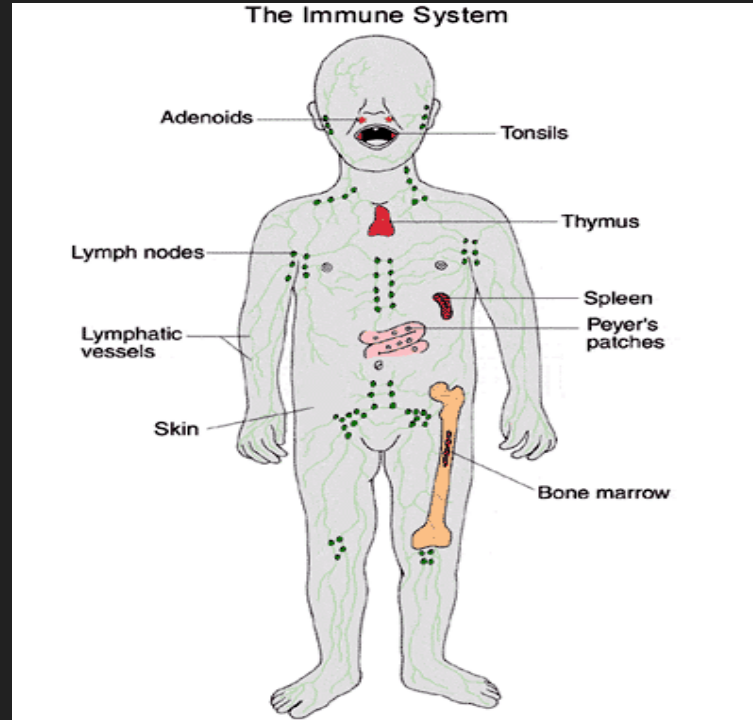
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Major Functions of The Immune System

The Immune system's main function is to protect your body from dangerous substances or diseases. It protects your body from getting infections and getting sick.

Body Diagram of The immune system.



Functions of each part of the immune system.

- Thymus- Produces mature T cells
- White Blood cells- They help protect the body from infectious diseases.
- Antibodies- Identify and neutralize foreign objects and pathogens.
- Epidermis - Known as the “first barrier” against microbes.
- Cilia- Little hairs that push up dust particles up the throat so they can be coughed or sneezed out.
- Mucus- Used to trap bacteria
- Saliva- Helps remove pathogens out of the mouth.

Description of each “line of defense”

- The first line of defense is called surface coverage. It is consisted of the skin, mucous membranes, and other cells that contain cilia.
- The second line of defense is non-specific responses are the ones that fight an infection or disease.
- The third and final line of defense is only used when the second line of defense is not enough to stop an infection.

How Vaccinations work

Vaccines work by stimulating our immune system to produce antibodies (substances produced by the body to fight disease) without actually infecting us with the disease.

How the Immune System works with other body systems.

The immune system works with other systems to maintain homeostasis. It works with the circulatory system for transportation needs. It also works with the lymphatic system in order to produce lymphocytes. It also works with the integumentary system so that the skin can act as a barrier.

5 Fun facts about the Immune system.

1. The number one way of boosting the immune system is to get rid of stress
2. Not getting enough sleep can be harmful to the immune system.
3. The immune system can attack itself
4. Being happy and living a good lifestyle can boost your immune system
5. A cow helped develop the first vaccine.