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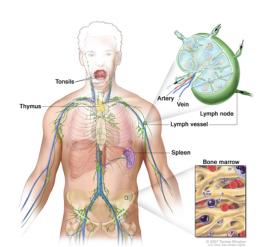
Item Name: Lymphatic System

Item Code: 4227.2008.01

Item Description:

- 1. Lymph vessels- Carry lymph from tissue spaces to the venous system, starts blindly as lymph capillaries in tissue spaces, their walls are permeable to substances of much greater size
- 2. Central Lymphoid Tissues
- ${\bf a.\ Bone\ Marrow-Produces\ all\ pluripotent\ lymphoid\ cells\ (in\ adults),\ helps\ in\ differentiation\ of\ B-Lymphocytes}$
- b. Thymus-Helps in differentiation of T-Lymphocytes
- 3. Peripheral Lymphoid Organs
- a. Lymph node- Small nodules of lymphoid tissue found in the course of smaller lymph vessels, purify the lymph from harmful agents
- b. Spleen-Removes old blood cells from circulating pool, Keeps a reserve of blood for emergency, Synthesizes antibodies
- c. Epithelio-lymphoid tissues-Lymphoid nodules in places like alimentary canal and respiratory tracts, Works as a security check agains all the incoming agents.
- 4. Lymphocytes- Mature B- and T-Lymphocytes circulating in blood, protects the body against any infectious agent that enters the blood

 ${\bf Functions\hbox{--} Removal\ of\ particulate\ matter}, {\bf Production\ of\ lymphocytes}, {\bf Generation\ of\ immune\ responses}$



Item Image:

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