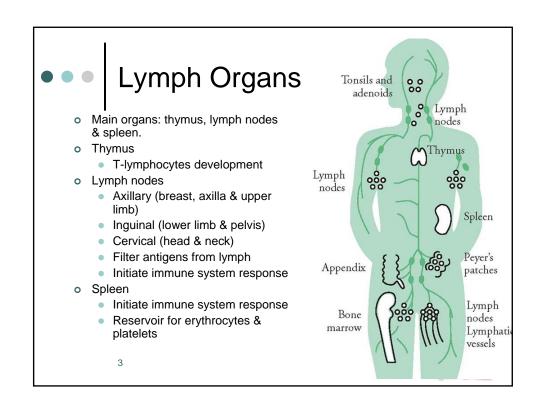
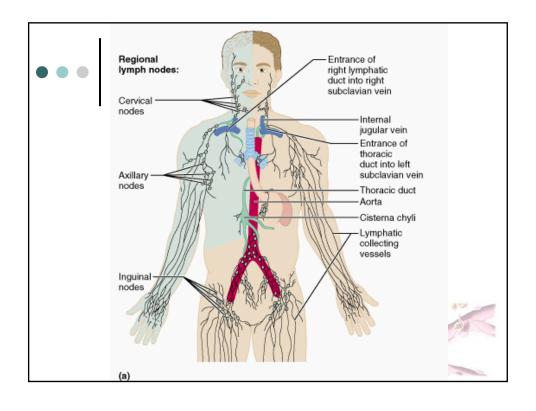
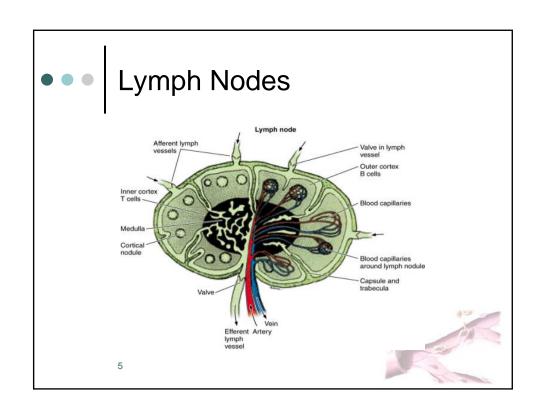
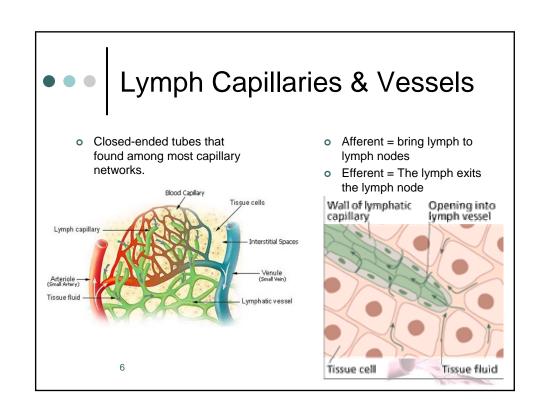
• • Lymphatic System

Functions CERVICAL NODES THYMUS LYMPH VESSELS Fluid & nutrient transport Excess interstitial fluid AXILLARY NODES Dietary lipid LYMPH VESSELS Lymphocyte development o Immune response SPLEEN DIAPHRAGM T-lymphocytes B-lympocytes INGUINAL NODES Marcophages 2









• • Lymphatic Trunks

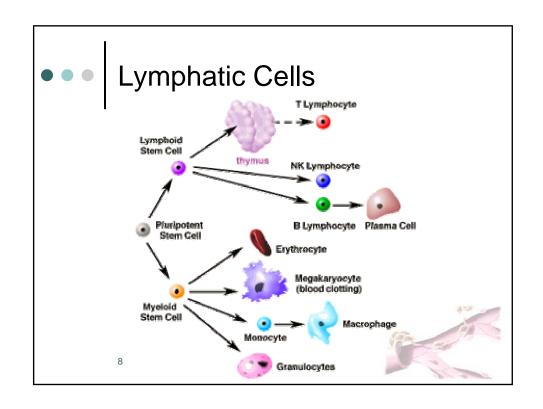
- Jugular: drain lymph from head & neck.
- Subclavian: receive lymph from upper limbs, breast & superficial thoracic wall.
- Bornchomediastinal: drain deep thoracic structures.
- Intestinal: drain most abdominal structures.
- Lumbar: drain the lower limbs, abdominoplevic wall & pelvic organ.

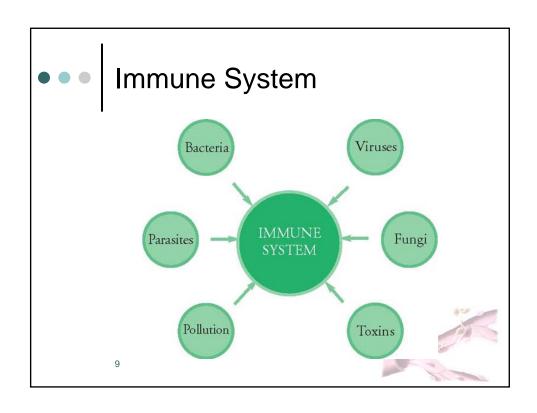
Regional lymph nodes:

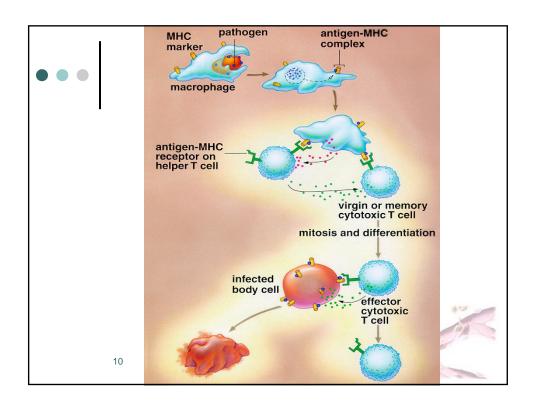
Cervical nodes

Internal jugular vein Entrance of thoracic duct into right subclavian vein entrance of thoracic duct into left subclavian vein entrance

7









Aging & Lymphatic System

- New T-lymphocytes can be produced only by replication by pre-existing lymphocytes.
- Reduced number of helper T-Lymphocytes lead to fewer B-lymphocytes & other kinds of lymphocytes
- Helper T-lymphocytes less response to antigens.
- Lymphatic system's ability to provide immunity and fight disease decrease.



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