**Items to Identify: Lymphoid System**

**Slides to Identify**

* Slide 112: Red bone marrow smear (May-Grunwald-Giemsa)
  + Bone marrow, red blood cells, pronormoblasts, band cells, neturophils
* Slide 116: Lymph node
  + Collagenous connective tissue capsule
  + Cortex with follicles, medulla and hilum
  + Trabeculae, reticulum cells, macrophages,
  + Afferent lymphatics, subcapsulary sinus, efferent lymphatic
  + Continuous endothelial cells along capsule, discontinuous cortex side
  + Outer cortex, deep cortex, perifollicular region, medullary cords, sinuses
  + Follicle, germinal center, B lymphocytes
  + Perifollicular area, T lymphocytes
  + High endothelial venules
* Slide 117: Spleen
  + White pulp, red pulp, no cortex, medulla, or afferent lymphatics
  + White pulp, central arteries, periarteriolar lymphatic sheath, follicles, germinal centers, B lymphocytes, T lymphocytes
  + Marginal zone, terminal (penicillar) arteries
  + Red pulp, venous sinuses, Billroth’s strands, littoral cells, discontinuous basement membrane, reticulum fibers
  + Mast cells, plasma cells, macrophages, erythrocytes, lymphocytes, granulocytes, platelets
* Slide 118:Liver & spleen with colloidal carbon, rat
  + White pulp, red pulp, no cortex, medulla, or afferent lymphatics
  + White pulp, central arteries, periarteriolar lymphatic sheath, follicles, germinal centers, B lymphocytes, T lymphocytes
  + Marginal zone, terminal (penicillar) arteries
  + Red pulp, venous sinuses, Billroth’s strands, littoral cells, discontinuous basement membrane, reticulum fibers
  + Mast cells, plasma cells, **macrophages**, erythrocytes, lymphocytes, granulocytes, platelets
* Slide 122: Spleen
  + White pulp, red pulp, no cortex, medulla, or afferent lymphatics
  + White pulp, central arteries, periarteriolar lymphatic sheath, follicles, germinal centers, B lymphocytes, T lymphocytes
  + Marginal zone, terminal (penicillar) arteries
  + Red pulp, venous sinuses, Billroth’s strands, littoral cells, discontinuous basement membrane, reticulum fibers
  + Mast cells, plasma cells, macrophages, erythrocytes, lymphocytes, granulocytes, platelets
* Slide 123: Thymus, newborn
  + Cortex and medulla, connective tissue capsule and septa, lobes
  + Lymphocytes dense in cortex, mitotic figures
  + Epithelial reticulum cells- large euchromatic nucleus, more dense in medulla
  + Hassal’s corpuscles in medulla
  + Continuous capillaries, sheath of epithelial reticular cells, no afferent lymphatics
* Slide 145: Fundic stomach
  + Lymphoid tissue
* Slide 153: Colon, monkey
  + Lymphoid tissue
* Slide 218: Spleen (reticulum stain)
  + White pulp, red pulp, no cortex, medulla, or afferent lymphatics
  + White pulp, central arteries, periarteriolar lymphatic sheath, follicles, germinal centers, B lymphocytes, T lymphocytes
  + Marginal zone, terminal (penicillar) arteries
  + Red pulp, venous sinuses, Billroth’s strands, littoral cells, discontinuous basement membrane, **reticulum fibers**
  + Mast cells, plasma cells, macrophages, erythrocytes, lymphocytes, granulocytes, platelets
* Slide 242: Esophagus and trachea, monkey
  + Lymphoid tissue
* Slide 419: Tonsil
  + Lymphoid Tissue
* Slide 19754: Lymph node
  + Collagenous connective tissue capsule
  + Cortex with follicles, medulla and hilum
  + Trabeculae, reticulum cells, macrophages,
  + Afferent lymphatics, subcapsulary sinus, efferent lymphatic
  + Continuous endothelial cells along capsule, discontinuous cortex side
  + Outer cortex, deep cortex, perifollicular region, medullary cords, sinuses
  + Follicle, germinal center, B lymphocytes
  + Perifollicular area, T lymphocytes
  + High endothelial venules
* Slide 32412: Appendix
  + Lymphatic nodule, germinal center
* Slide 32583: Cartilage and bone with bone marrow (toluidine blue)
  + Colonies of developing white blood cells
  + Blood vessels in marrow

**EMs to Identify**

* EM 6: Lymphocyte 74,000x
  + Ultrastructure of lymphocytes, high nuclear to cytoplasm ratio
* EM 8f: Peripheral blood 9,000x
  + Ultrastructure of lymphocytes, high nuclear to cytoplasm ratio