

# HLS-Histology

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## Archive

## Lecture 5+6

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المحاضرة نختلفة عن السنة الماضية  
ممکن يكون محتوى بعض الأسئلة  
غير مذكور في محاضرة هذا العام

1. Which of the following statements concerning lymph nodes is TRUE?

- a. They have Hassall's corpuscle in their medulla.
- b. Their white pulp contains central arteriole.
- c. T cells predominate in the deep cortex.
- d. They have single crypt.
- e. They don't contain secondary nodules.

Answer : c

2. Which of the following is INCORRECT about the thymus?

- a. Divided into lobes and incomplete lobules.
- b. Has afferent and efferent lymphatic's vessels.
- c. The cortex of the lobule has epithelial reticular cells.
- d. The medulla of the lobule has Hassall's corpuscles.
- e. Involutesc after puberty.

Answer : b  
مش مذکور

3. The antigen for cluster of differentiation present in?

- a. Granular leucocytes.
- b. Different types of lymphocytes.
- c. Glycocalyx of platelets.
- d. Glycocalyx of R805.
- e. Monocytes and macrophages

Answer : b  
مش مذکور

5. In a lymph node, thymus-dependent antigen leads to? Select one:

- a. B- Lymphocyte proliferation in the paracortex.
- b. T- Lymphocyte proliferation in the paracortex.
- c. PALS development
- d. Proliferation in cortical lymphoid follicles.
- e. The absence of germinal centers.

Answer : b

6. The thymus secretes ?

- a. Antibodies.
- b. Hormones that mature the red blood cells.
- c. Hormones that stimulate macrophages.
- d. lymph and is the main "lymph factory".
- e. Thymosin, a hormone thought to aid in maturation of T- lymphocytes.

Answer : e

7. Thymus gland? مكرر مرتين

Contains Hassall's corpuscles

8. The predominant cells in lymph follicle?

- a. Reticular cells
- b. Reticular epithelial cells
- c. B lymphocytes
- d. T lymphocytes

Answer : c

9. Which is wrong about thymus?

lobes and complete lobules

10.cd is present on;

**different types of lymphocytes**

11.lymphocytes enter lymph nodes through?

**High venules in paracortex**

12.false about innate immunity;

**they act slowly**

13.What lacks a covering made from reticular fibers?

**Thymus**

14.Which of the following is constituent of blood thymus barrier?

**-perivascular space filled with macrophages**

15.Class II MHC antigens are expressed on the following cell?

a. Epithelial cells.

b. Bone cells.

c. Red blood cells.

d. T-lymphocytes.

e. Macrophages

**Answer : e**

16.Blood thymic barrier is achieved by:

a. Perivascular space filled with macrophages

b. Thin basement membrane

c. Perivascular space filled with lymphocytes

d. Fenestrated endothelial cells

**Answer : a**

17. True about MHC1?

- a. Karyotyping
- b. Tissue repair
- c. Tissue transplantation

Answer : c

18. The wrong statement about thymus?

Along path of lymph vessels

19 present in the cortex of thymus

- A. Small T-lymphocytes
- B. large T-lymphocytes

Answer : A

20 Correct about red pulp of spleen

- A. discontinuous layer
- B. allowing exchange of cells between blood in sinusoids and adjacent tissue

answer : a+ b

21 .in which of the following sites will be abnormal RBCs be removed from the circulation?

- a. Thymic cortex.
- b. Periarterial lymphoid sheath.
- c. Medullary sinuses of lymph nodes.
- d. Thymic medulla.
- e. marginal zone

Answer : e

2. When looking at a lymph node. which term does not refer to the same region as all the others listed?

- a. Deep cortex.
- b. Thymus dependent area.
- c. Outer cortex.
- d. Juxtamedullary cortex.
- e. Paracortical zone

Answer : c

3. What is the dense lymphatic tissue in the spleen called?

- a. Lymph follicles.
- b. White pulp.
- c. Peyer's patches.
- d. Lymph node.
- e. Diffuse lymphatic tissue.

Answer : b

4. Peyer's patches are?

- a. Located at the antimesenteric intestinal border.
- b. Located at the mesenteric intestinal border.
- c. Located midway between the two intestinal borders.
- d. Absent in the duodenum.
- e. T lymphocytes dominate in their germinal centre

Answer : a  
مش مذکور

5. The specialized cell type involved in the entry of lymphocytes into lymph nodes are called?

- a M-cells.
- b. Mesangial cells.
- c. PALS.
- d. HEV endothelial cells.
- e. Selectins

Answer : d

6. T Lymphocytes in?

- a. Deep cortex
- b. Outer cortex

Answer : a

7. true about spleen;

- A- has crypts
- B- has concentric reticular epithelial cells
- C- lymphatic sheath

answer : c

8. What is incorrect about splenic cords?

- A- called Billroth
- B- filled with RBC
- C- between white pulp and sinusoids
- D- infiltrated with blood cells and lymphoid cells

Answer : c

9. What is found in the white pulp of the spleen?

- Periaarteriolar lymphoid sheath

10. Wrong about Tonsils

- A. Partially encapsulated
- B. along lymphatic vessels
- C. crypt

Answer : b

11. Spleen lymphatic nodules

- A. White pulp
- B. red pulp
- C. Billroth Cords

answer : a

12. Afferent lymph enters:

- subcapsular

13. Periaarterial lymphatic sheath:

- T lymphocytes