

Blood Cells 2

Agranulocytes (L5)

2018

28-Thrombocytes, choose the WRONG statement:

- a. Microtubules and microfilaments are found in the outer marginal bundle.
- b. Have thick glycocalyx.
- c. Originate from bone marrow cells with many dynamic cell projections.
- d. Often form basophilic clumps in histological preparations.
- e. Lambda granules contain serotonin.

ANS: E

2017

12-Cytotoxic T lymphocytes' marker:

- a. CD45 +
- b. CD34 -
- c. CD3 +
- d. CD19 -
- e. CD8 +

answer : e

2017

14- Which of the following is wrong about HLA class II?

- a. it is presented in all nucleated cells
- b. it is recognized by T helper
- c. it is coupled to peptide product of proteins the cells had ingested

answer : a

2017

15- Which of the following is wrong about ultrastructure of platelets?

- a. Dense tubular system (Ca^{+}) is in peripheral zone
- b. Alpha granules: clotting factors + serotonin
- c. They have thick glycocalyx
- d. Hyalomere contains cytoskeleton and membranous channels while Granulomere contains granules and organelles

answer : b

2017

27- Which of the following is the correct statement?

- a. Cytotoxic cells recognize MCH 1 and the Ag presented on it
- b. cytotoxic T-Cells bind to MHC 2
- c. cytotoxic T-Cells express MHC 2 on their surface

answer : a

2019

6) Which of the following is wrong about HLA class II?

- a. it is presented in all nucleated cells
- b. it is recognized by T helper
- c. it is coupled to peptide product of proteins the cells had ingested

ANS: A

17) Which of the following cells can give rise to an APC ?

- a. myeloblast
- b. basophil
- c. monocyte

ANS: C

2012-2013

6. All of the following regarding T lymphocytes is correct EXCEPT:

- (a) Maximal activation of cytotoxic T cells involves both MHC-I and MHC-II
- (b) Both T helper and cytotoxic cells have a TCR
- (c) Both T helper and cytotoxic cells have receptors for IL-1
- (d) Both cells have receptors for IL-2
- (e) CD4+ T helper cell binds an antigen on the surface of an APC

ANS: C

2012-2013

19. Which of the following statements regarding leukocytes are correct

- 1. They move out to the tissues by a process called emigration
 - 2. Neutrophils and microphages are required in phagocytosis
 - 3. Inflammatory cells are attracted by bacterial molecules and inflamed tissue by a process called chemotaxis
 - 4. Leukopenia is an increase in the number of WBC's in the circulation
- (a) 1 and 2 only
 - (b) 2, 3, 4
 - (c) 1, 2, 3
 - (d) 1, 2, 3, 4
 - (e) 3 and 4 only

ANS: C

2017

• Wrong about HLA class II: it is presented in all cells

2018

17-Blood platelets assist in arresting bleeding by; Choose the INCORRECT answer:

- a. Liberating high concentration of calcium.
- b. Releasing factors promoting blood clotting.
- c. Adhering together to form plugs when exposed to collagen
- d. Serotonin from platelets can release vascular plasminogen activators.
- e. Releasing factors causing vasoconstriction.

ANS: D

ملاحظة : هذول اسئلة اعتقد اني نسيت اضيفهم للملفات السابقة فا

حلوهم و اعتبروهم مراجعة للمحاضرات السابقة

2016

35-Blood formed elements, choose the wrong statement:

- a. Erythrocytes lack class 1 MHC molecules.
- b. Both basophil and mast cell are granulated but basophil nucleus is lobulated while the mast cell nucleus is round.
- c. Human thrombocytes have, in contrast to erythrocytes, never been individual nucleated cells.
- d. The internum of eosinophilic granules contains major basic protein.
- e. Most neutrophils in female peripheral blood normally show barr bodies

ANS: E

2017

10-Which of the following statements most describe why RBC's are efficient in carrying oxygen :

- 1 .contains hemoglobin
- 2 .have no nucleus
- 3 .have many mitochondria needed to produce ATP
- 4 .biconcave shape
- 5.4oxygen molecules are carried by hemoglobin

- a. 1, 3,4
- b. 2, 4, 5
- c. 1, 2, 4, 5
- d. 1, 2, 3, 5
- e. 1, 2, 3, 4, 5

answer: c

2017

21- Which of the following is wrong about WBCs?

- a. in chronic myelogenous leukemia you see high blood count of myeloblasts
- b. leuckemia results when leukocyte count increases and doesn't return back to normal
- c. usually the more undifferentiated the WBCs, the more acute is the leukemia

answer: a

2017

4-The right arrangement of hemoglobin chains synthesis in humans:

- a. it starts is liver then yolk sac and finally in bone marrow
- b. it starts in yolk sac then liver and finally in bone marrow

c. yolk sac and liver synthesize hemoglobin for almost the same period in gestation

d. liver and yolk sac then bone marrow after birth

answer: b

2019

Q18. Correct sequence of blood cells producing sites:

Answer: Yolk sac -> Liver -> Bone marrow

2019

Q.29 Choose the wrong statements:

A. Lowest erythropoiesis occurs in pelvis and vertebrae

B. All blood cells are formed at the same time in the fetus during the first 3 months

Answer: A&B – DELETED));

2012-2013

5. Removal of the old and aged erythrocytes from the circulation:

(a) Is due to the dilated endothelium and large pores in the lining of the sinusoids of the spleen

(b) Takes place in the marginal zone sinuses

(c) Occurs in the lymph node

(d) Is the function of splenic cords

(e) A + B

2015

6- Wrong combination – chronic renal failure – iron deficiency anemia (mostly)

ANS: A

Lymphatic System (L6)

2018

24-Which description is true of all primary lymphoid organs?

- a. Contain crypts.
- b. Contain epithelial-reticular cells.
- c. Lack connective tissue capsules.
- d. Are sites for antigen exposure.
- e. Are capable of antigen-independent lymphopoiesis.

ANS: E

2018

31-Lymph nodes enlargement in response to bacterial infection is explained by:

- a. Increased flow of lymph through the nodes' afferent lymphatics.
- b. Arrival of antigen-presenting cells in each node's medulla.
- c. Enlargement and increased activity of the nodes' high endothelial venules.
- d. Increased thickness of each node's paracortex.
- e. Formation of germinal centers for B-cell proliferation in each node's cortex.

ANS: E

2017

22- Which of the following is wrong about lymph?

- a. It contains plasma proteins
- b. It contains cells
- c. lymph flow increases by muscle contractions (increases with muscular activity)
- d. fluids filtered are usually less than reabsorbed

answer: d

2017

1- Which of the following is true about all secondary lymph organs?

- a. contain lymph follicles
- b. contain epithelial reticular cells as stroma
- c. contain afferent vessels
- d. contain capsule

answer: a

2017

10-Lymphocytes in the circulation enter lymph node from:

- a. afferent vessels
- b. marginal zone
- c. postcapillary venule

answer: c

2017

17- Which of the following is wrong about lymph nodes?

- a. a heel diabetic ulcer primarily causes enlargement of the vertical group of the superficial inguinal lymph nodes
- b. they have many afferent vessels and one or two efferent vessels
- c. the lymph node can be divided into an outer cortex and inner paracortex.

answer : a

2017

20- Which of the following is true about second exposure to pathogen in the lymph node

- a. Second response is faster than the first one

answer : a

2017

21-All of the following are characteristics of all secondary lymphoid organs except

- a. They have PeriArteriolar Lymphatic Sheath(PALS)
- b. They are sites for lymphocytes to encounter pathogens and become activated
- c. Spleen is considered one of them

answer :a

2017

24-Which of the following is the correct pathway when one lymph node sends a lymphocyte to educate another lymph node about antigenic stimulation ?

- a. Post-capillary venules → Thoracic duct → Systemic Circulation → Efferent lymphatic vessel
- b. Afferent lymphatic vessel → Post-capillary venules → Efferent lymphatic vessel
- c. Afferent lymphatic vessel → Thoracic duct → Systemic Circulation → Efferent lymphatic vessel
- d. Afferent lymphatic vessel → Thoracic duct → Efferent lymphatic vessel
- e. Efferent lymphatic vessel → Thoracic duct → Systemic Circulation → Post-capillary venules

answer: e

2017

25-Which of the following statements is NOT CORRECT ?

- a. Dendritic cells trap antigens on their surface and present them to B cells only
- b. Interdigitating dendritic cells are found in the thymus-dependant zones of the lymph nodes
- c. Follicular dendritic cells can present an antigen not

associated with MHC to a B cell

answer :a

2017

37-Incorrect lymphatic drainage:

a. thoracic duct with right subclavian

b. Right lymphatic duct Drains from the upper right quadrant of the body

answer :a

2019

1) True about all secondary lymph organs

A- contain lymph follicles B- contain epithelial reticular cells as stroma

C- contain afferent vessels D- contain capsule

ANS:A

2019

10) lymphocytes in the circulation enter lymph node from

A- afferent vessels B- marginal zone

C- postcapillary venule

ANS:C

2019

Q35. Which of the following isn't true about lymphnodes:

Answer: post capillary venules are located in the outer cortex

"اللَّهُمَّ يَا مَنْ لَا تَضِيعُ عِنْدَهُ الْوَدَائِعُ إِنَّ غَزَّةَ فِي وَدَائِعِكَ، فَاحْمِهَا وَأَهْلَهَا مِنْ كُلِّ سُوءٍ" 🙏