

# *HLS*

## *MID ARCHIVE*

DONE BY:-

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alzaidaneen**



**Pathology mcq's:**

**1. All of the following are risk factors for Acute Myeloid Leukemia (AML) except:**

- A. Previous cancer treatment
- B. Smoking (cigarette smoke)
- C. Exposure to radiation
- D. Down syndrome
- E. Iron deficiency anemia

**Answer: E**

**2. All of the following is true except:**

- A. Melena: bleeding in rectum
- B. Hematemesis: blood with vomit
- C. Hemarthrosis: with articular
- D. Epistaxis: bleeding in nose
- E. Hematuria: blood with urine

**Answer: A**

**3. Splenomegaly >1000 g except :**

- A. Primary myelofibrosis
- B. Gaucher disease
- C. Cml
- D. Infectious mononucleosis

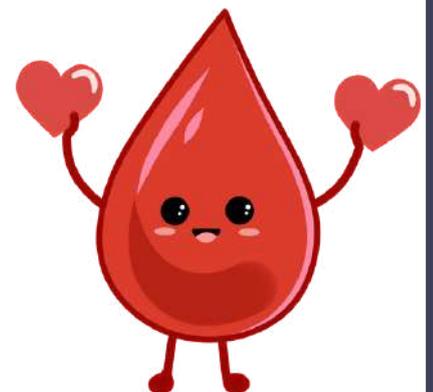
**Answer: D**

**4- E.coli strand ?**

**157;7**

**5. Mutation of TTP is?**

**ADAMTS13**



**Pathology mcq's:**

6. 61-year-old man presents with fatigue, lymphadenopathy, and GI polyyps. Microscopic examination shows nodal effacement with small to medium-sized lymphoid cells with irregular nuclear contours. Immunohistochemistry. Which of the following sentences best describe the prognosis of this:

- a. Indolent disease can be cured with hematopoietic stem cell transplantation
- b. Prognosis is very good, even with advanced disease
- c. Aggressive but curable
- d. Moderately aggressive and incurable
- e. Prolonged survival but not curable disease

7. Hemophilia is characterized by the following, except?

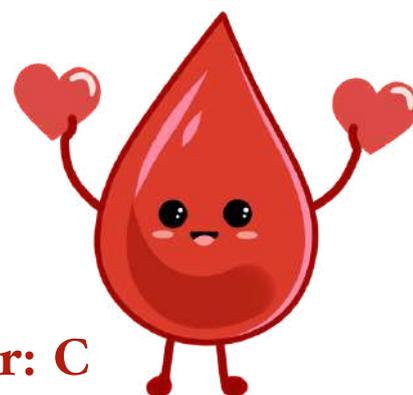
- A. Prolonged prothrombin time
- B. Prolonged clotting time
- C. Decrease clotting factors VII or XI or IX.
- D. Prolonged activated partial thromboplastin time (APTT)
- E. Hemo arthrosis

**Answer: B**

8. A 7 year old boy is brought to the clinic with a history of black tarry stool for the past 2 days, his mother also reports joint swelling, especially in the knees and the occasional spontaneous bruising. The boy has a known family history of bleeding disorders. Which of the following is the most likely diagnosis?

- A. von willebrand disease
- B. Iron deficiency anemia
- C. Hemophilia A
- D. immune thrombocytopenia (ITP)
- E. Acute lymphoblastic leukemia

**Answer: C**



**Pathology mcq's:**

**9. Birbeck bodies are:**

- A. Cytoplasmic inclusions seen in neurons of Alzheimer's disease
- B. Rod-shaped cytoplasmic organelles with a tennis racket appearance found in Langerhans cells
- C. Basophilic nuclear inclusions seen in CMV infection
- D. Cytoplasmic eosinophilic inclusions (Lewy bodies) found in Parkinson's disease

**Answer: B**

**10. patient that's treated with chemotherapy what's the cause of decrease in number of neutrophils ?**

**Bm hypoplasia**

**11. Primary myelofibrosis treatment:**

**JAK2 inhibitor and BM transplantation**

**12. CML?**

**CD19+, CD20+, CD5+**

**13. wrongly matched with reactive lymphadenitis?**

**Small pox vaccine --> sinus**

**Micro mcq's:**

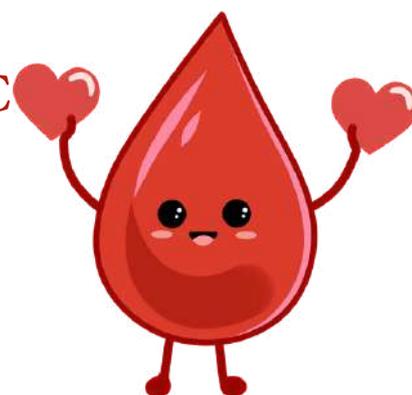
**1. Choose the correct statement related to pneumonic plague: -**

- A. Never transmitted from person to person.
- B. Only transmitted by bite.
- C. Should take caution in droplet transmission

**Answer: C**

**2. Parvo B18:**

**MHC II EBV :CD 21**



**Micro mcq's:**

3.The question asked all of the following correct according to toxoplasmosis except:

**Winterbottom's sign is a late sign**

4.all of the following are true except:

**Sickled cell anemia doesn't provide protection towards malaria.**

5.Which stain gives the bipolar appearance in yersina pestis?

**leishman stain**

6. What's correct about Salmonella:

**Motile/G- / no Lactose fermente**

7. Pregnant women should :

**not clean litter boxes**

**Physio mcq's:**

1.Which of the following is NOT related to sickle cell anemia?

A.Extra vascular anemia

B.Hydroxyurea (increases HbF)

C. $\beta$ -globulin

D.HbS

E.HbF

**Answer: C**

2.which of the followingis not related to sicle cell Anemia?

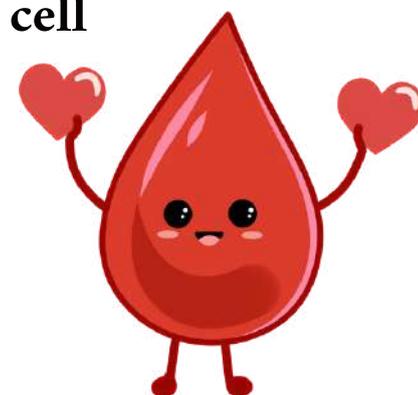
A.TTP

B. DIC

C.HUS

D.ITP

E.microangiopathic hemolytic anemia



**Answer: D**

**Physio mcq's:**

**3. Conditions where EPO is decreased:**

**Athelets Neonates High altitude PCV polycythemia Vera**

**4. in What conditions we can't give Cryoprecipitate ?**

**DIC HUS TTP**

**5. What's the main organ that is responsible for producing erthropiosis?**

**Kidney**

**6. whats attracts neutrophil to the site of allergy ?**

**basophils**

**7. Iron def anemia:**

**High TIBC Low iron Low ferritin**

**8. Chemotaxis is defined as:**

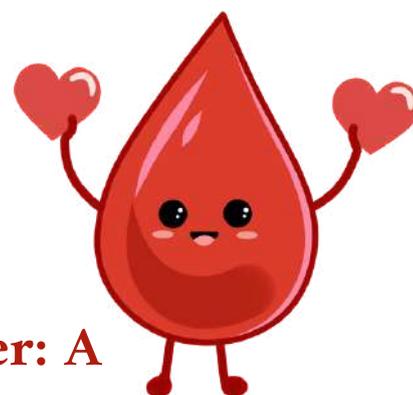
- A. Engulfment of microorganisms by neutrophils
- B. Attraction of leukocytes toward the site of infection along a chemical gradient
- C. Killing of pathogens by reactive oxygen species
- D. Presentation of antigens to T lymphocytes

**Answer: B**

**9. Which of the following non-therapeutic conditions decreases erythropoietin (EPO) production?**

- A. Chronic renal failure
- B. High altitude
- C. Hemorrhage
- D. Hemolytic anemia

**Answer: A**

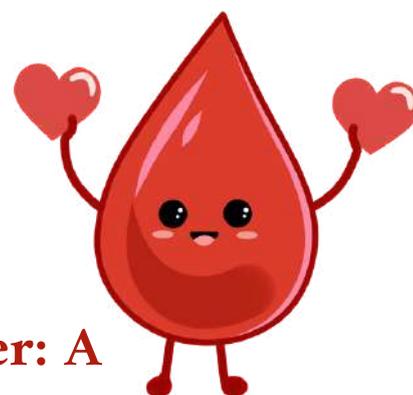


**Physio mcq's:****3. Conditions where EPO is decreased:****Athelets Neonates High altitude PCV polycythemia Vera****4. in What conditions we can't give Cryoprecipitate ?****DIC HUS TTP****5. What's the main organ that is responsible for producing erthropiosis?****Kidney****6. whats attracts neutrophil to the site of allergy ?****basophils****7. Iron def anemia:****High TIBC Low iron Low ferritin****8. Chemotaxis is defined as:**

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**Answer: B****9. Which of the following non-therapeutic conditions decreases erythropoietin (EPO) production?**

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- D. Hemolytic anemia

**Answer: A**

**Physio mcq's:**

10. whats the fatal case ?

**Hydrops fetalis**

**Pharma mcq's:**

1. Which of the following directly inhibits thrombin?

- A. Argatroban
- B. Rivaroxaban
- C. Enoxaparin
- D. Fondaparinux

**Answer: A**

2. which of the following drug-toxicity pairs is INCORRECTLY matched?

- A) 6-mercaptopurine - Hepatic toxicity
- B) Vincristine - Neurotoxicity
- C) Cyclophosphamide - Hemorrhagic cystitis
- D) Anthracyclines - Cardiac toxicity
- E) Bleomycin - Renal toxicity

**Answer: E**

3. characteristics of imantinib include all of the following except?

- A. It prevents the phosphorylation of tyrosine on the substrate molecule
- B. It's administered orally and intravenously
- C. It's used for chronic myelogenous leukemia
- D. It belongs to class of tyrosine kinase inhibitors
- E. its a signal transduction inhibitor

**Answer: B**

4. granulocyte- colony stimulating factor?

**Filgrastim**

5. All are anticoagulants except:

**antifibrinolytic**



**Pharma mcq's:**

6.methotrexate is used for?

**Rheumatoid arthritis and psoriasis**

7. One of the following is incorrect:

**gastric secretion isn't necessary for iron absorbtion**

**Histo mcq's:**

1. All of the following are sharing in the blood thymic barrier except:

- A.Endothelium
- B.Epithelial reticular fibers
- C.lymphocytes
- D. Macrophage Pericyte

**Answer: c**

2.Degranulation platelet caused by:

- A.microtubules
- B.Microfilaments
- C.Endoplasmic reticulum
- D.Granulomere

**Answer: c**

3.All of the following according to progenitor cells are true except:

- A.Uni or bi
- B.high mitotic
- C.self renewing
- D.forms mature cells

**Answer: d**

4. Collagen 3 is in:  
**reticulocytes**

5.Cortical sinuses lined with?

**Reticular cells and Macrophages**



**Histo mcq's:**

**6. Definition of endomitosis:**

**nuclear division, cytoplasm remains intact**

**7. Which is secreted by weibel palade bodies?**

**P-selectin**

**Biochem mcq's:**

**1. Which of the following is incorrect about disseminated intravascular coagulation (DIC)?**

- A. Arises from obstetric complications
- B. Involves release of cytokines
- C. Increases tissue factor expression
- D. Increases thrombomodulin expression
- E. Causes multi-organ involvement

**Answer: d**

**2. Which proteins have anti-protease activity?**

- A)  $\alpha$ -antitrypsin and  $\beta$ -macroglobulin
- B) Albumin and transferrin
- C) Ceruloplasmin and haptoglobin
- D) CRP and 12-microglobulin

**Answer: a**

**3. What markers are used to diagnose testicular cancer and rheumatoid arthritis, respectively?**

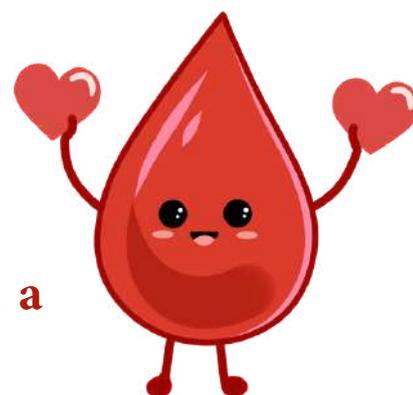
- A)  $\alpha$ -Fetoprotein and cryoglobulins
- B) B2-Microglobulin and rheumatoid factor
- C. C-reactive protein and ceruloplasmin
- D. Haptoglobin and  $\alpha$ -antitrypsin

**Answer: a**

**4. asymptomatic microcytic anemia**

- A. B minor thalassemia
- B. 1 locus thalassemia

**Answer: a**



## Biochem mcq's:

**HLS**

5. which of the following is involved in transport of iron between cell membranes?

- A. Ferroportin
- B. CycD
- C. transferrin

## Anatomy mcq's:

1. At which level does the thoracic duct cross from right to left?

- A. T4
- B. T5
- C. T6
- D. T7

**Answer: B**

2. which group of colic lymph nodes is located along the branches of the superior and inferior, mesenteric vessels?

- A. Intermediate colic LNs
- B. Paracolic LNs
- C. terminal colic LNs

**Answer: a**

3. what's a normal anatomical landmark of the spleen:

**Notch or more on upper border of the spleen**

## community mcq's:

1. all of the following is correct except:

**Jordan is considered moderate towards anemia**

2. one of the following is correct:

**tea helps in the thalasemia patients.**

