

HLS

FINAL ARCHIVE

DONE BY:-

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ANATOMY :

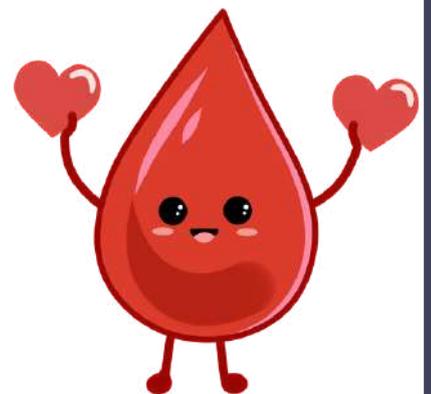
1- One of the following is not content of Gastrosplenic ligament:

- A.Short gastric vessels.
- B.Left gastro-epiploic vessels.
- C.Sympathetic plexus around the arteries.
- D.Pancreatico-splenic lymph nodes.
- E.Splenic vessels

Answer : E

2- main lymph nodes in the neck
deep cervical lymph nodes

3- lower part of duodenum drains into:
superior mesenteric lymph node



PATHOLOGY:

1- Mutation in Case about punched out skull:

Cyclin D1

2- Not about RS cells:

RANKL

3- Case with tdt and CD19:

Favorable prognosis (t12:21)

4- DIC with:

(t:15:17)

5- Case about PCV IN SPENT PHASE (FIBROSIS)...

WRONG MORPHOLOGY:

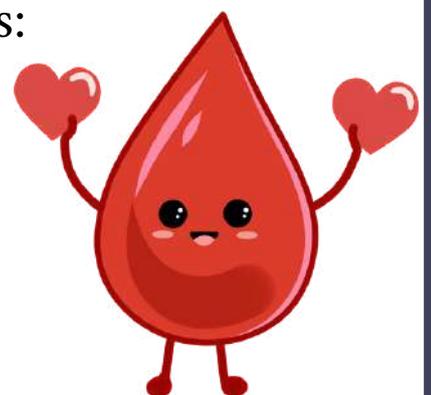
Megakaryocyte with single nuclear lobes

6- Wrong about unisystem langer histocytosis:

Fetal if non treated

7- True about hypersplenism:

Thrombocytopenia more than others



8- True about CML:

Defrantiation completly with growth factor effect

9- Cerbriform / erythroderma:

Sezary

10-Case about siogren Syndrome:

Chronic AUTOIMMUNE disorder

11- Wrong abut leukocytosis :

basophila with drug

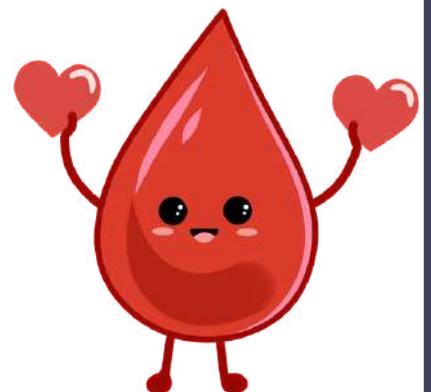
12-Stage 1 (patho) :

Localized disease single lymph node region or single organ

13- Non-megaloblastic anemia is caused by all of the followings EXCEPT?

- A.Hyperthyroidism
- B.Liver cirrhosis
- C.Alcohol consumption
- D.Pregnancy

Answer : A



14- One of the followings is not a risk factor for cobalamin deficiency:

- A. Ulcerative colitis
- B. Crohns
- C. ileal resection
- D. Pernicious anemia
- E. Gastrectomy

Answer : A



PHARMACOLOGY:

1- Which of the following anticancer drugs enhances polymerization of tubulin ?

Paclitaxel

2- Regarding the treatment of megaloblastic anemia, which of the followings is incorrect?

Folinic acid (Leucovorin) is available as a spray and gel for intranasal use

3- Unfractionated heparin antidote ?

Protamin sulfate

4- One of the following drugs irreversibly blocks ADP receptor on platelets :

Prasugrel

5- One of the followings is NOT a mechanism of drug resistance in neoplastic cells :

Increased activity of enzymes that convert drugs into cytotoxic metabolites



6- Not side effect of tacrolimus:

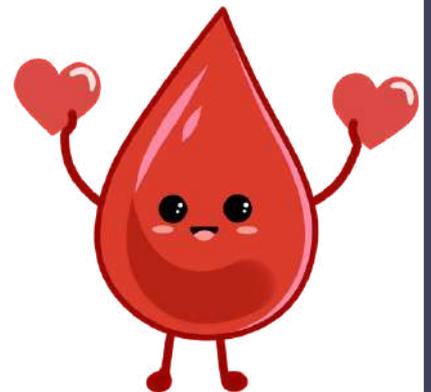
Hypokalemia

7- vascular endothelial growth factor :

Bevacizumab

8- bind to tubular protein (Tubulin):

Vinblastin



PHYSIOLOGY:

1- Role of Thrombin in Blood Clotting.....?

- profound positive feedback effect on its own formation

2- which of the followings is the preferred test for consumptive coagulopathy ?

A.D-dimer

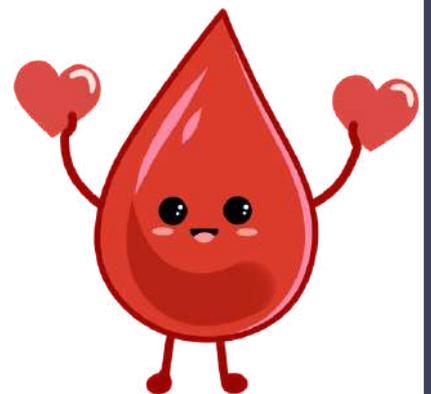
B.PTT

C.PT

D.BT

Answer : A

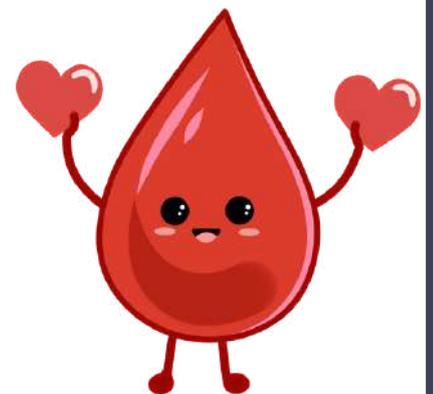
3- Do NOT use FFP as a volume expander
use Saline instead. "Crystalloids or Colloids"



4- A very tired woman is here for her first prenatal visit - she's already into her last trimester. She has two other children at home, the oldest is 2 1/2.

Test ordered	Result	Units	Ref range
Hemoglobin	9L	g/dL	13-18
Hematocrit	31L	%	37-55
Reticulocytes	0.3L	%	0.4-1.5
MCV	99H	fL	78-93
Bilirubin, total	1.2	mg/dL	0.2-1.2
Bilirubin, dir.	0.1	mg/dL	0.1-0.3
LDH	230	U/L	100-230
Haptoglobin	200	mg/dL	30-200

Macrocytic anemia (folate)



MICROBIOLOGY:

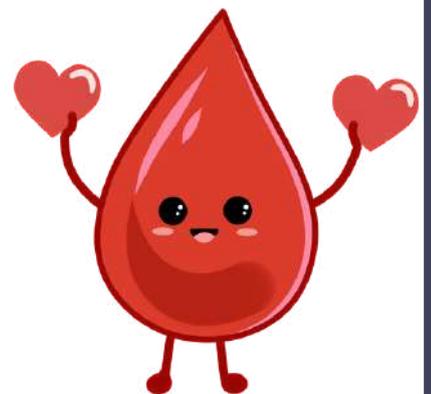
- 1- In malaria Fever spikes occurring due to : -
synchronous rupture of a large number of infected-RBCs
- 2- Which stage of the Lymphatic Filariasis parasite primarily causes damage to the lymphatic system?
- A. Egg
 - B. Larvae
 - C. Adult worm
 - D. Microfilariae

Answer : C

- 3- One of the following is clinical manifestation of Brucellosis -
Liver failure

- 4- What type of salmonella cause septicemia and pus
- A.Salmonella Typhi
 - B.Salmonella Paratyphi
 - C.Salmonella Enteritidis
 - D.Salmonella Choleraesuis

Answer:D



5- Correct about *Coxiella burnetii* :

Obligate intracellular, gram negative bacterium

6- Main transmission route of the Plague :

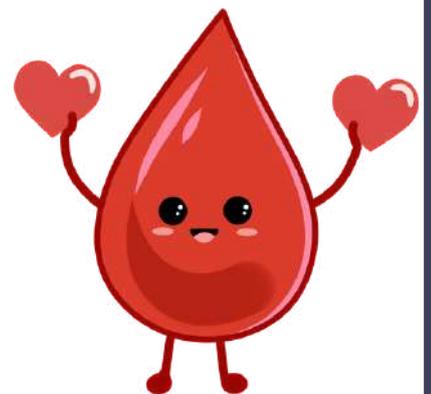
Flea

7- Case describe a patient suffering from neck rigidity, sleep disturbance, diagnosis is : -

trypanosomiasis

8- Which cells does EBV preferentially infect?

B lymphocytes



HISTOLOGY :

1- Committed progenitors:
central niches

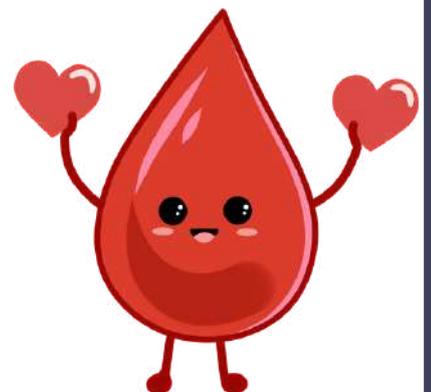
2- One is correct about Small lymphocytes
A.large Nucleus
B.small Nucleus

Answer : A

3- Present in the cortex of thymus
A.Small T-lymphocytes
B. large T-lymphocytes

Answer : A

4-Correct about red pulp of spleen
A.discontinuous layer
B.allowing exchange of cells between blood in sinusoids and adjacent tissue



5- Which cells contain only one type of cytoplasmic granule?

Promyelocytes

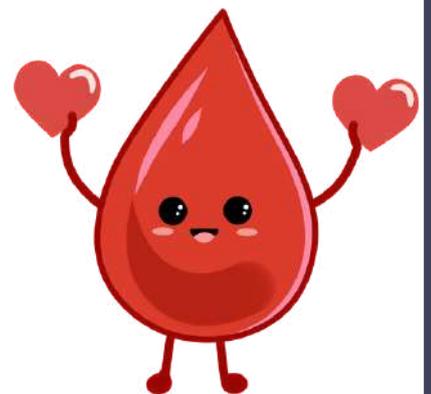
6- What are the proplatelet?

cytoplasmic extensions that penetrate the sinusoidal endothelium

7- The most commonly used stain for an ordinary blood film ?

Giemsa stain

8- Drum stick with neutrophils



BIOCHEMISTRY :

- 1- B₂ is a part of light chain immunoglobulin
- 2- Which one of the following sets of enzymes in the heme synthetic pathway can be inhibited by lead?
- A. ALA synthase and ALA dehydratase.
 - B. PBG synthase and PBG deaminase.
 - C. Uroporphyrinogen synthase III and ALA synthase.
 - D. Uroporphyrinogen decarboxylase and coproporphyrinogen oxidase.
 - E. Ferrochelatase and ALA dehydratase.

Answer :E

- 3- Which enzyme in heme synthesis converts two of the propionyl side chains into vinyl groups?
- A. Uroporphyrinogen 3 synthase
 - B. Uroporphyrinogen decarboxylase
 - C. Coproporphyrinogen oxidase
 - D. Protoporphyrinogen oxidase
 - E. Ferrochelatase

Answer : C



4-During heme degradation to bilirubin, which metabolic pathway provides essential agent required for this conversion?

- A. Pentose phosphate pathway
- B. Glycolysis
- C. Urea cycle
- D. Citric acid cycle

Answer :A

5-ATP generated in RBCs is utilized in reactions catalyzed by?

- A. Phosphoglucose isomerase
- B. PFK-1, Hexokinases
- C. Fructose-bisphosphate aldolase

Answer : B

6-Which of the following enzymes is responsible for the conversion of propionyl side chains into vinyl groups in heme synthesis?

Coproporphyrinogen oxidase

