

HLS FINAL

Wateen Archive

Done by:



Translocation 11/14 occurs in?

Mantle cell lymphoma

Which one is non classical hodgkin lymphoma?

Nodular lymphocyte predominant HL

Immunopheotype of RS cells?

+ for pax5,CD15,CD30 and - for B,T cells markers and CD45

Oil red O occurs in?

Burkitt lymphoma

Female came to your clinic and her spleen's weight is 1350
the cause is?

Malaria

The false about All?

Occurs mainly in adults

All of the following are tributaries of thoracic duct except?

Right bronco-medsinal

Swelled l.n that causes dysphagia?

Retropharngial

Lymph drainage of spleen?

Pancreatico-splenic l.n

All of the following are side effects of parental Iron except?

Hypothermia

The drug that does not act on IL-2?

Oprelvekin

Female came with hematuria and pain in bladder, the most common drug that is associated with this case?

Cyclophosphamide

The drug that causes hearing impairments?

Cisplatin

Anti androgen drug?

Flutamide

The diseases that manifests rash and redness?

5th disease (Erythema infectiosum)

The most common route for Q fever infection is?

Contaminated Air with infected products

The vector that causes Rickettsia prowazekii?

Pediculus corporis

The vector for trypanosoma is?

Male and female tse tse

All of the following is true about babesia except?

It has an acute hepatic stage

Sabine test is for?

Toxoplasma gondi

All of the following is true about q fever except?

Acute stage has highest hospitalizations rate

The second most common cancer among men is?

Trachea,bronchus, lung

The black water fever occurs with?

Plasmodium malaria

Mott cells found in?

Multiple myloma

MYD88 mutations found in?

Lymphoplasmacytic lymphoma

good prognosis about ALL?

2-9 years

correct about ALL?

Classified according Morphological features

All of the following are classical hodgkin lymphoma, except?

Nodular lymphocytic predominant

The correct answer about classical RS cells?

PAX +, CD15 +, CD30 +, other b cell markers are negatives.

11:14 translocation?

Mantle cell lymphoma

All of the following are plasma cell neoplasm, except?

Essential polycythemia

MYD 88?

Lymphoplasmacytic lymphoma

Oil red O stain?

Burkitt lymphoma

Translocation (11,14)?

Mantle cell lymphoma

All of the following are classical hodgkin lymphoma, except ?

Nodular lymphocytic predominant HL

Which of the following Lymph node when enlarged cause difficulty in swallowing (dysphagia)?

Retropharyngeal node

Massive splenomegaly (1500)?

Malaria

One of the following is antiandrogen?

Flutamide

All of the following are side effects of IV iron, except?

- a. Headic
- b. Nausea, vomiting
- c. Arthralgia
- d. Hypersensitivity
- e. Hypothermia

All of the following are related to IL-2, except?

Oprelvekin

Pancytopenia = ?

Leishmaniasis

Neutrophils?

Increase capillary permeability

Major diagnosis of Aplastic anemia?

- a. Bone marrow biopsy
- b. CBC

Mast cell?

Basophils

Mast cell of the blood?

Basophils

Thyroid ulcer = ?

In localization phase

Thymus gland?

Contains Hassall's corpuscles

Hereditary spherocytosis?

Mutation of spectrin

Mott's cell in?

Multiple myeloma

Good prognosis for ALL?

2-9 years

All of the following related to Jak 2 Mutation, except?

CML

Chronic infections tuberculosis?

a. Lymphocytosis

b. Neutrophils and Lymphocytosis

Hydrolytic enzymes in?

Lambda granules

Obscured by granules?

Basophil

The drug which causes hemorrhagic cystitis (UB)?

Cyclophosphamide

Sabin-Feldman?

Toxoplasma gondii

Slap cheek rash?

5 th Erythema infectiosum

False about babesia?

Mild hepatic disease

True about CLL?

a. 60 and older

b. Between 30-40 age group

2nd cancer in male?

Trachea, bronchus, lung

Drug not included in IL2?

Oprelvekin

Drug uses in ovarian cancer but causes hearing loss?

Cisplatin

Antiandrogen Drug?

Flutamide

One of the following incorrect about advantages of LMWH?

High risk thrombocytopenia.

Second most common cancer among Jordanian males?
(community)?

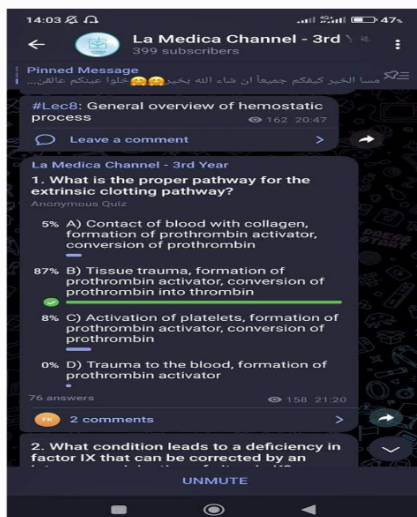
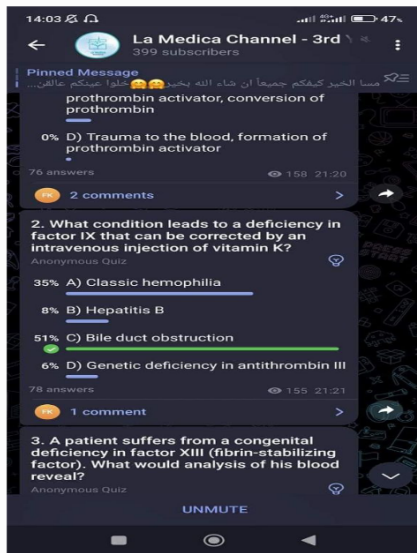
trachea , bronchus, lungs

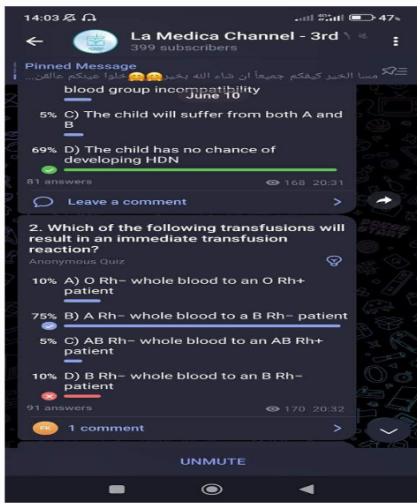
One is true?

Iron def. anemia 68% among Jordanian females

Patient with pulmonary disease?

Bleomycin





Diagnosis for Testicular tumor & Rheumatoid arthritis?

Alpha fetoprotein & Cryoglobulin

Drug for Ovarian Cancer that cause hearing loss?

Cisplatin

11,14...?

Mentle

MYC gene ?

Burkitt

Starry sky ...oil red ?

Burkitt

Reed-Sternberg cells?

a. CD15+ & CD30+ & PAX5 are positive but B-cell markers, T-cell markers and CD45+ negative ✓

b. CD15+ & CD30+ & PAX5 are B-cell markers, T-cell markers positive and CD45+ negative

Non Classical Hodgkin lymphoma?

Nodular sclerosis

Lymphocyte-rich ?

a. Lymphocyte-depleted

b. Mixed cellularity

c. Nodular lymphocyte

d. **predominant** ✓

Mott cells?

Multiple Myeloma

21) What condition leads to a deficiency in factor IX that can be corrected by an intravenous injection of vitamin K? Means that

- a. Classic hemophilia. X
- b. Hepatitis B. X
- c. Bile duct obstruction. → abnormal absorption of Vit K
- d. Genetic deficiency in Anti-thrombin III. X
- e. Hemophilia C. X

Handwritten notes: (9) Factor IX, (1) Coagulation factor production is normal (not genetic hemoph), (2) liver function is normal. Lec 7. So if you give IV vit K → correction.

Ans : c

22) Porphyria cutanea tarda is characterized by all of the following EXCEPT?

Select one:

- a. Overdoses of iron are among the risk factors. ✓ iron/alcohol / hemochromatosis / G6PD deficiency
- b. It is due to the deficiency of a cytosolic enzyme. ✓
- c. An inhibitor of an enzyme can be given to relieve its symptoms and signs. ✓ hemoferin ✓
- d. Besides variegate porphyria, both are having neurocutaneous manifestations. (no neurocutaneous)
- e. Can be diagnosed by investigating the presence of a modified intermediate in the stool.

Ans : d

23) Different proteins are involved in iron metabolism. among them hepcidin which is not characterized by?

Select one:

Lec 2

- a. it is upregulated by increased iron level to down regulate ferroportin. ✓
- b. It is downregulated by decreased iron level to up regulate ferroportin. ✓
- c. Its high expression rate is regulating bacterial growth negatively. ✓
- d. its low expression rate is regulating bacterial growth positively. ✓
- e. it is directly affecting iron exportation from tissues to blood.



Ans : e

19 - genotype of HbC and D, Cooley's anemia and alpha thalassemia minor?
HbCB+3/HbDB0 -a/e-

20-What markers are used to diagnose Testicular cancer and rheumatoid arthritis respectively?

- A- a-fetoprotein and cryoglobulins ✓
- B- a-fetoprotein and b2-microglobulin

21- Enzymes that require Zn?

-SOD, carbonic anhydrase, lactate dehydrogenase

22-Enzymes in the nucleotide salvage pathway?

-AMPDA, HGPRT, ADPRT

23- In the glycolytic pathway, what enzyme deficiencies have an effect on the 2,3DPG level?

Phosphoglucose isomerase, phosphoglycerate kinase, diphosphoglycerate mutase

24- 18 year old was mildly icteric, normal CBC, normal LDH, hepatitis negative, bilirubin increased... after a week, bilirubin levels decreased without mutation, what is the cause?

- Transient bile obstruction by gallstone

25- Wrong about porphyria cutanea tarda?

- besides Variegate porphyria, both have neurocutaneous symptoms

26- What is true about the enzyme that converts propionyl into vinyl?

- A-Mitochondrial enzyme ✓
- B-carboxylase enzyme

27- Which of the following does not describe hepcidin?

A- upregulation by high iron negatively regulates ferroportin

B- downregulation by low iron positively regulates ferroportin

C- its increased expression negatively affects bacterial growth

D- its decreased expression positively affects bacterial growth

E- has a direct effect on transporting iron from tissues to blood??????



4) What condition leads to a deficiency in factor IX that can be corrected by an intravenous injection of vitamin K? مترجم

- a. Classic hemophilia.
- b. Hepatitis B.
- c. Bile duct obstruction.
- d. Genetic deficiency in Anti-thrombin III.
- e. Hemophilia C.

Ans: c

Lec 7



All of the following are intravascular hemolytic anemia except ?

Warm autoimmune anemia

Not oncogene?

brca2

One is false?

MGUS m less than 3

For specific diagnosis of a plasma cell dyscrasia ?

BM biopsy

Mott cells in?

Multiple myeloma

M protein < 3 ?

MGUS

MYD88 ?

Lymphoplasmic lymphoma

Not related to classical HL?

Nodular lymphocyte predominant HL

18 - Which of the following is constituent of blood thymus barrier?

-perivascular space filled with macrophages


All of the following are side effects of a anemia, except?

Low obesity rate

Which is not considered as hemolytic anemia?

IDA

An Swear-old boy frequently comes to the clinic for persistent skin infections that do not heal within a normal time frame. He had a normal recovery from the measles. check or his antibodies after immunizations yielded normal antibody responses. A defect in which of the following cells would most likely be the cause of the continual infections? Select one?

- a B lymphocytes.
- b. Plasma cells.
- c **Neutrophils.** 
- d. Macrophages.
- T lymphocytes

Pediculus corporis?

Rickettsia prowazekii

Most infections with the C. burnetii organism?

breathing in air contaminated

The false statement about Coxiella burnetii ?

All require hospitalization

Tse Tse fly?

African trypanosomes

Plasmodium malaria?

Nephritis syndrome and protein cast in urine.

Slap cheek?

Erythromycin infectiosum

Pedicures capitis is a vector for?

R. Prowzeki

Most common C. Burintii?

Breathing in air contaminated

To prevent the hazard of hemoglobin?

Liver glycoprotein

One is true about ALL?

- 1- Often good prognosis
- 2- It doesn't occur in adults
- 3- Classified according to morphology
- 4- Aggressive behaviour

Intravascular hemolysis which causes production of many liver proteins to protect from free hemoglobin, can detected by?

- 1- Plasma heme level
- 2- Plasma hemoglobin level
- 3- Plasma liver enzymes
- 4- Plasma albumin

One is associated with CLL?

- 1- Polycythemia
- 2- **Peripheral lymphocytosis**
- 3- Centroblasts and centrocytes
- 4- TdT marker

The predominant cells in lymph follicle?

- 1- Reticular cells
- 2- Reticular epithelial cells
- 3- B lymphocytes
- 4- T lymphocytes

One is wrong about advantages of LMWH over UH?

- 1- Higher Bioavailability
- 2- Longer plasma half-life
- 3- No need for laboratory monitoring
- 4- **More inhibition of platelet function**
- 5- lower thrombocytopenia

Anemia OCD except ?

Low fe

Best diagnosis of Aplastic anemia

Biopsy from BM

Cause of spherocytosis?

Mutation in Spectrin

