



Medical Committee
The University of Jordan

#لجنة_2013

Patho

mid exam:

- 1- one of the following has a phagocytic ability : neutrophils
 - 2-contribute to margination : Stasis
 - 3-cells showing karyorrhexis and fragmented nuclei with intact structure : Viral Hepatitis
 - 4-About the liver what is wrong : it's a labile tissue
 - 5-which of the following is associated with granuloma of sarcoidosis : Epithelioid Histocyte
 - 6-So2al tb3 ele bl5am 9a7bo box : Hemosiderin
 - 7-kan fe so2aleen wra b39" 3n el inner cell mass wa7ad jawabo eno ma b3ml rejection and we don't give anti-rejecting drugs o el thani jawabo eno induced tissue stem cell
 - 8-so2al 3n el blisters ---> serous inflammation , most likely end with complete recovery
 - 9- so2al en el exudate edema which is wrong : Low specific gravity
 - 10-about M2 macrophage they do : all of the above
 - 11-about growth factors they do all the following except : Increase the rate of cell death by apoptosis
 - 12-one of the following is wrong between acute and chronic inflammation : Acute inflammation cause more pain than chronic inflammation
 - 13-About Patient with Gout disease uric acid crystals bind to sensors of cell damage
 - 14- patient with alzahaimer what is wrong : increase protein synthesis
- 89 old male has tachycardia , bradycardia , diarrheah and m3'e9 ra7 3la aldoctor w f79oooh, bs 6l3et nteget al lab lego eno fe 3ndo eshe lono brown fe al kidney ta3to.....sho hay al pigmet ?

1. lipofucin
2. melanin
3. 9ab3'a 7amra
4. all of the above

ميد باثو اخر اشي

- when we make iPS : there is modification to the patient cell genome
- when we use stem cells from blastocyst (ES) ,(wrong sentence): we don't need to use anti rejection medication.
- responsible for pain: kinin and prostaglandine
- complement protein (work as chemoattractant): C5a
- what is the receptor that recognize uric acid after DNA injury: sensors of cell damage
- main cell in chronic inflammation: macrophage
- cell that have phagocytic activity: neutrophil
- type of tissue that be injured after injury after trauma: skeletal muscle

Final exam :

- 1-certain change happen in tumor cell to reduce recognition from Cytotoxic T-cells but it activates part of the innate system ? Mutation in MHC proteins
 - 2-Best finding that indicate malignancy ? invasion
 - 3- Benign tumor ? Meningioma
 - 4-about carcinoma of the lung all of the following can be found except ? increase erythropoietin
 - 5-a question talking about cells with hyperchromatic nucleus involving the whole thickness of the membrane ? Carcinoma in situ
 - 6- about melanoma ? more than one of the above (tanning saloon , mutation in CDKN2A)
 - 7-Prostate cancer is caused from ? Cadmium
 - 8-metastatic calcification involve all of the following except ? skeletal metastasis (not sure)
 - 9-inherited mutation of one mutated allele occur in all the following except ? kano el 5yarat RAS , MYC , TP53 , mismatch repair proteins
- el jawab mismatch repair la enhla recessive
- 10- patient with prostate cancer which of the following can be used to make sure that it's prostate cancer "(eshi zy heek) ? Prostate specific antigen (PSA)
 - 11-Women with ovarian carcinoma which has columnar cells , cartilage , bone , kol eshi what is it ? Teratoma

12-all of the followings are related to glioblastoma except ? over expression of EGFR (Epidermal growth factor receptor)

13-epidemiology of cancer in Jordan which is wrong ? Prostate cancer in males is higher than America (not sure)

14-so2al b7ki 3n Episten Barr virus o b7ki which is wrong ? patient with Burkitt lymphoma most commonly have over-expression of LMP-1 (hyeh most commonly MYC over expression)

15-eshi b7ki 3n el HPV o bs2l which is correct ? integration in the host genome cause over-expression of E6 E7 Protein

16-Tsunami has hit a nuclear power plant o 9ar fe radiation damage which is wrong ? inhibition of endonucleases

17-you are making salad and you were cut and the doctor was 7mar making the cut worse however the size of the wound has decreased because ? contraction of myofibroblast

18-you are making salad again and the doctor was not 7mar and the cut was healed after removal of stitches which is wrong ? injured tissue regain most of it's strength after removal of stitches

19-ECM responsible for migration .proliferation o ashya2 ? proteoglycans

20-patient with colon carcinoma and then alot of nodes appear in the lungs , the appearance of these nodes in the lungs is due to the increase of ? B-catenine

21- what type of necrosis seen in acute pancreatitis ? necroptosis

22+23 fe so2aleen 3n wa7ad m3o broken femur msh mthkerhom etha 7ada mthkrhom yktbhom

24-in tumor there was decrease expression of P16 and p14 but there was no detected mutation these genes were silenced by ? methylation

25-a patient with abdominal pain then later biopsy revealed a mass of the pancreas with of the following mutations is related to it ? mutation in TGF-B (SMAD)

26- Patient with increased risk of renal cell carcinoma in his family and he also he had retinal angioma which of the following mutations is related ? mutation in VHL

27-a women with a lump in her left breast and enlarged lymph nodes and nodes in the lungs the staging of the tumor is ? T4 N2 M1

28-about right breast cancer which of the following is wrong ?

A-on the lateral side metastasize to the axilla

B-on the lateral side metastasize to the supra and infra clavicular lymph nodes

C-on the medial side metastasize to supra and infra clavicular lymph node

D-biopsy for a tumor in the lymph node is not necessary

E- breast carcinoma arise in the upper lateral quadrant

sho el 9a7 ?

29-anti inflammatory agent ? iL10

30- Product of lipoxygenase pathway ? leukotrien C4

31-Wrong about neutrophils ? they are never seen in chronic inflammation

32-cause of granuloma ? Tuberculosis

33- wrong about the complement system ? found in lysosomes

34 -which of the following defect in cancer inhibits apoptosis (eshi zy heek) ? over expression of APAF1

35-Cells that has the ability for self renewal and asymmetric division which of the following is wrong ?
they are used in many clinical treatments (they are still in research) also not sure *

36-ERBB2 (HER2/NEU) related breast cancer b9eer 3n 6re8? amplification

37- activated macrophage through the M1 pathway will do which of the following ? phagocytosis