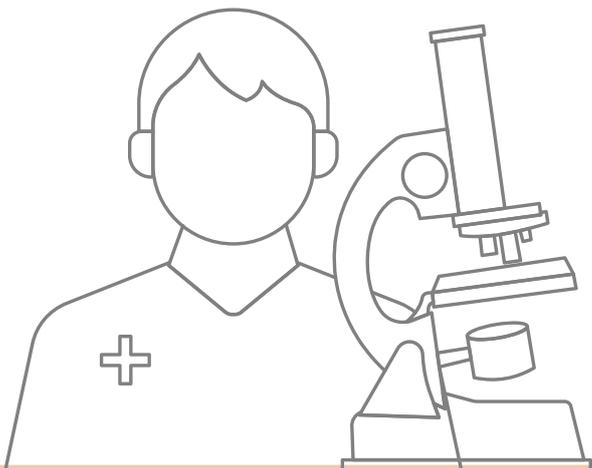


PATHOLOGY

MED ARCHIVE

Done by:-
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Designed by:-
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1. Correct match with VLA

- A. VMA1
- B. MAC1
- C. IMAC1

Ans: A

2- All of the following are correct except

- A. H₂O₂ respiratory burst
- B. ROS respiratory burst
- C. eNOS killing microbes

Ans: C

3- All the following are wrong except:

- A. E-selectin expressed in endothelial
- B. Estroestria (also called CD62E), expressed on platelets
- C. P-selectin (CD62P), present on platelets only
- D. L-selectin (CD62L), found on the surface of platelets

Ans: A

4. Wrongly match?

- A. White pulp macrophage... spleen
- B. Macrogia... brain
- C. Langerhans... skin

Ans: A

5- Help in proliferation of hepatocyte after partial hepatectomy is

- A. IL6
- B. IL2
- C. IL1

Ans: A

6- The most common cause of necrosis

- A. hypoxia
- B. toxins

Ans: A

7- Deficiency in regulatory molecule causes macular degeneration in eyes?

- A. Factor H
- B. C1 inhibitors

Answer: A

8- Vitamin C deficiency causes deficiency in which protein?

- A. Actin
- B. Collagen

Answer: B

9- The incorrect statement is

- A. The number of proliferating fibroblasts decrease
- B. Collagen synthesis by fibroblasts begins early in wound healing 1-3 days

Answer: B



10-Movement of leukocyte to site inflammation by .?

- A.Chemokine
- B.TNF
- C.IL1

Ans:a

11.The most type of necrosis

- A.Congulative necrosis
- B. Fat necrosis

Ans:a

12.what is true about fibrous inflammation?

- A.vascular leaks is minute
- B.Coagulation stimuli cause leakage of fibrin
- C.fibrin collected intracellularly

Ans:b

13.The effect of corticosteroids decrease all of the following except:

- A.chemokine
- B. Cox2
- C.cox 1

Ans:c

14 Contribute in stabilization after angiogenesis?

- A.TGF alpha
- B.PDGF
- C.VEGF
- D.FGF

Ans :b

15-The most type of necrosis?

- A. Congulative
- Answer:A

16-Lymphotoxin is:

- A.cx3 Chemokine
- B.c chemokine

Answer :a

17-In cytoplasmic change in necrosis all are true except?

- A .Denatured protein bind to eosin
- B.degradation of RNA
- C.hydrenic vacuole

Ans :c



18. The wrong about hypertrophic?

- A. Thick collagen bundle randomly orientation
- B. Exceive healing
- C. Abundante fibrin
- D. Caused by traumatic or injury to deep dermis

Ans:a

19-All of following enter G0 except?

- A. keratenocyte
- B. Endothelial cel
- C. Smooth moscle
- E, Parenchymal cell of kidney

Ans:a

20-The wrong about healing?

- A. Complete resolution in limited injury and short lived
- B. Residual cell define the type of healing
- C. Reabsorption of edera and clean necrotic cell in Complete solution
- D. connective tissue tranciscment if there is interference with normal healing

Ans:b

21. Al of following are cause transudate fluid

- A. infection
- B. Renal defect
- C. Liver defect
- D. Kwashiwork disease

Ans:a

22- The molecule cause protein and lipid degradation?

- A. TNF
- B. IL1

Answer:A

23-All of following are true except?

- A. Venues ulcer caused by hypotention
- B. Venues ulcer caused by hypo perfusion
- C. Artertal ulcer happen in bedridden
- D. Pressure spore caused by atherosclerosis

Ans:B

24- The molecule that activate BH3 sensot?

- A. Misfolded protein
- B. Viral infection

Ans:a



25- In normal menstrual cycle.. the endothelium sloughing because of ?

A Decrease estrogen

Ans :a

26- The prostaglandin cause fever and pain?

A.PGE2

B.PGE1

Ans:a

27- All of following cause vasoilation except?

A, LTE4

B.PGE2

C prostacyclin

Ans:a

28. The arachidonic acid metabolite promote thrombosis?

Ans:TXA2

29- The molecule activate alternative complement pathway ?

A. Mannan binding lectin

B. Endotoxin

Ans:b

30- The molecule activate classically activated macrophage ?

A. Microbe

B. IL4

C. IL. 10

Ans:a

31- lipoxin inhibit inflammation by?

A. inhibit leukocyte adhesion

B. inhibit leukocyte recruitment

Answer B



32. Produce of cytosolic danger - protein complex called inflamesom, is ?

- A.pxroptosis
- B.auophagy
- C.nephroptosis

Answer is A

33- All are indicate coll injury except?

- A.Uric acid
- B.Hyperkalamia
- C.hypokalemia
- D. ATP

Antwer:C

34.which of the lohlowing is characterited by thick bundles of collagen with an abundant cellular ion but does net extend beyond the original wound boundaries?

- A. Keloid
- B. Hypertrophic scar
- C. Granulation tissue
- D. Fibroma

Answer b

35- Which cytokine activate hepatocyte proliferation after restriction ?

Ans:IL6

36- Wrong about reversible fatty change ?

- A. Can occur in Myocardial (Heart)
- B.Can occurs in liver
- C.the injury is irreversible

Ans:c

-lymphotactin is

- A.CX3 chemokine
- B.C chemokine
- c. CC chemokine

ans:B



37. Which the change not occurs in apoptosis?

- A. Intiammation
- B. Plasma membrane intact
- C. Apoptotic body

Ans:a

38- Wear and tear pigment is ?

- A. lipofusion
- B. Melanin

Ans:a

39. The molecule cause bidirectional activation in macrophage and T cell?

- A. IL12

Answer:a

40. All are false about contracture except?

- A. Replacement elastic tissue with inetastic
- B. Cause transient short muscle

Answer A

41- The true about ulcer is ?

- A. As a result of rupture cell blister
- B. Exclusively occurs in skin and subcutaneous
- c. something related to loss of epithelium and chronic inflammation,

Ans :c (not sure)



42- Which of the following morphologic changes is incorrectly matched?

- A. Fibrinoid necrosis: IgE-rich fibrin deposit
- B. Fat necrosis: Macrophages adjacent to fatty tissue
- C. Caseous necrosis: Granuloma
- D. Liquefactive necrosis: Infiltration of neutrophils
- E. Coagulative necrosis: Ghost cells

Ans:a

43- All of the following cause transudate edema except?

- A. Increased peripheral resistance
- B. Increased hydrostatic pressure
- C. Activation of the RAS system
- D. Fluid retention
- E. Vasodilation

Answer is A

44- One of the following cause Retraction of endothelial cells :

Histamine



45- Which of the following is wrongly matched:

A. Acute respiratory distress syndrome: Neutrophils

B. Pulmonary fibrosis: macrophage

C. Asthma: Eosinophils

D. Septic shock: fibrin

E. Arthritis: lymphocyte

Answer: D

46- Most common cause of injury is?

Hypoxia

47- What's wrong about congestive heart failure

-A. increased hydrostatic pressure

-B. Increased peripheral resistance

C. vasodilatation

Answer :c

48- Activation of T lymphocytes by macrophages by

A. IL 12

B. IL 1.

Answer:A



49- What's wrong about LTB4

- A recruitment of neutrophils
- B.induce ROS production
- C.Induce production of lysosomal enzymes
- D. production of mucus in respiratory pathway
- E,vasodilatation

Ans:D

50- What shows a reversible fat accumulation?

- A liver
- B.pancreas
- C. kidney

Ans:A

51- Wear and tear?

Lipofusion.

52- What primarily activates macrophages?

Microbes

- Microbial components like LPS and IN-y activate macrophages

53.most organ showing fatty changes:

Liver

54- A patient with abdominal pain with the presence of fibrin, neutrophils, cell debris

- A acute ulcer
- B chronic non healed ulcer

Ans:a



57- what is wrong about atrophy:

- A. They are not dead
- B. Decrease prot synth
- C. Increased prot degrade
- D. Narrow Gig wide sulcus
- E. cellular changes are different

Ans:E

58- Type of transformation in tissue:

Matarasia.

59. Components of pus are all except :

Fibrin

60-what attracts leukocytes:

chemokine

61- What's wrong about granuloma?

- A associated with foreign bodies of autoimmune diseases
- B. viewed with polarized microscope
- C- Zheng neelsen stain is important in diagnosis
- D. it composed of seitbelaid macrophages. multi-nucleated giant macrophages, often with lymphocytes
- E always associated with caseous necrosis

AnswerE



62.-All are true except:

nitric oxide

64- Mutations in MAC result in increased susceptible infection of ?

A, staph

B. mycobacterium

C.neisseria

Answer:C

65-what activates alternative pathway.

Endotoxin

66, TNF regulates catabolism?

It is correct ✓

,TNF-a promotes cachexia (muscle breakdown)

67. What induces fever?

E2 PGE2 (Correct)

• Prostaglandin E2 (PGE2) mediates fever via the hypothalamus

68- One of the following has neurotransmitter in the gastrointestinal tract:

A. Serotonin

B. Histamine

Answer: A

69. Associated with stabilization process

A.TGF alpha

B.PDGT

Ans:B



70- One is right

A - ulcer is accumulation of pus

B venous leg ulcer by hypotension

C Arterial ulcer because of bedridden

D.dehiscence from secondary infection

E. venous leg ulcer fail to heal because of the hypo-perfusion

Answer:E

71- Cause retraction of endothelial cells?

A.TNF

B.IL 1

C. histamine:

E serotonin

Answer : C

72-Hypertrophic scar;

A.random orientation and bundle formation of collagen fibers in normal skin

Bincreased number of thick collagen fibers

C the collagen fibers were arranged randomly and showed highly cellular zone

Answer C

IT'S VERY IMPORTANT TO MEMORIZE THE SLIDE OF THIS QUESTION

THE DOCTOR ASK ABOUT IT IN MED AND FINAL



73. identify the incorrect match between the case and the cellular adaptation of injury:

1. Myocardial infarction → Coagulative necrosis
2. Breastfeeding after pregnancy → Hyperplasia
3. Conversion of columnar tissue into squamous → Metaplasia
4. A person who exercises at the gym → Hypertrophy
- 5, Brain infarction → Coagulative necrosis

Answer: 5

