

pathology

Archive

Lecture 3

Medical card

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1. from these which the most important role in the Extrinsic pathway?

- A. Caspases8
- B. Caspases9
- C. Caspases10
- D. Caspases12

Answer: A

2. Not of proapoptotic proteins ?

- A. Bak
- B. Bax
- C. BCL-2

Answer: C

3. All of the following is proapoptotic except

- A. Bax
- B. Bak
- C. BCL-2
- D. TNF

Answer: C

4. All of the following are examples of physiologic apoptosis EXCEPT?

Select one:

- A. Hormonal dependent tissue involution.
- B. Separation of digits in limb during embryogenesis.
- C. Proliferative tissue turnover.
- D. Death of cell after accumulation of misfolded protein.
- E. Decline of leukocytes number at the end of inflammation.

Answer: D

5. The state of constant/stable internal environment in which the cell is capable of doing its function properly is called? Select one:

- A. Hemostasis.
- B. Apoptosis.
- C. Homeostasis.
- D. Autophagy.
- E. Reversibility.

Answer: C

6. One of the following is not among the morphologic features of apoptosis? Select one:

- A. Retains an intact plasma membrane.
- B. Elicits Inflammation.
- C. Apoptotic bodies phagocytized by macrophages.
- D. Cells shrinkage.
- E. Formation of cytoplasmic buds.

Answer: B

7. Which one of the following is a pro-apoptotic protein? Select one:

- A. Bax.
- B. BCL-2.
- C. BCL-XL
- D. Inflammasome.
- E. Transaminases

Answer: A

8. Which of the following mechanisms is responsible for Elimination of potentially harmful self-reactive lymphocytes to prevent reactions against one's own tissue? Select one:

- A. Coagulative necrosis.
- B. Hypertrophy.
- C. Atrophy.
- D. Pathologic apoptosis.
- E. Physiologic apoptosis.

Answer: E

9. BH3 proteins are sensors that activate the mitochondrial pathway, All of the following activate the BH3 sensors except?

- A. Cells deprived of survival signals
- B. Cells deprived of growth factors
- C. Damaged DNA
- D. Viral infection
- E. Accumulation of misfolded proteins

Answer: D

10. One of the following is incorrect about the mitochondrial pathway of apoptosis?

- A. It is also called the intrinsic pathway
- B. Bax and Bak dimerize and form channels to aid cytochrome C release
- C. It activates apoptosis through triggering caspase 8
- D. BCL-2 is an antiapoptotic protein that maintains the integrity of mitochondrial membranes
- E. it is activate in most physiologic and pathologic apoptosis

Answer: C

11. Which one of the following is an anti-apoptotic protein?

- A. BCL-2
- B. Bax
- C. Bak
- D. Cytochrome C
- E. Tumor necrosis factor (TNF) receptor

Answer: A

12. one of the following pathways of cell Death is characterized by activation of a cytosolic danger sensing protein complex called the inflammasome?

- A. Necroptosis
- B. Apoptosis
- C. pyroptosis
- D. Autophagy
- E. Necrosis

Answer: C