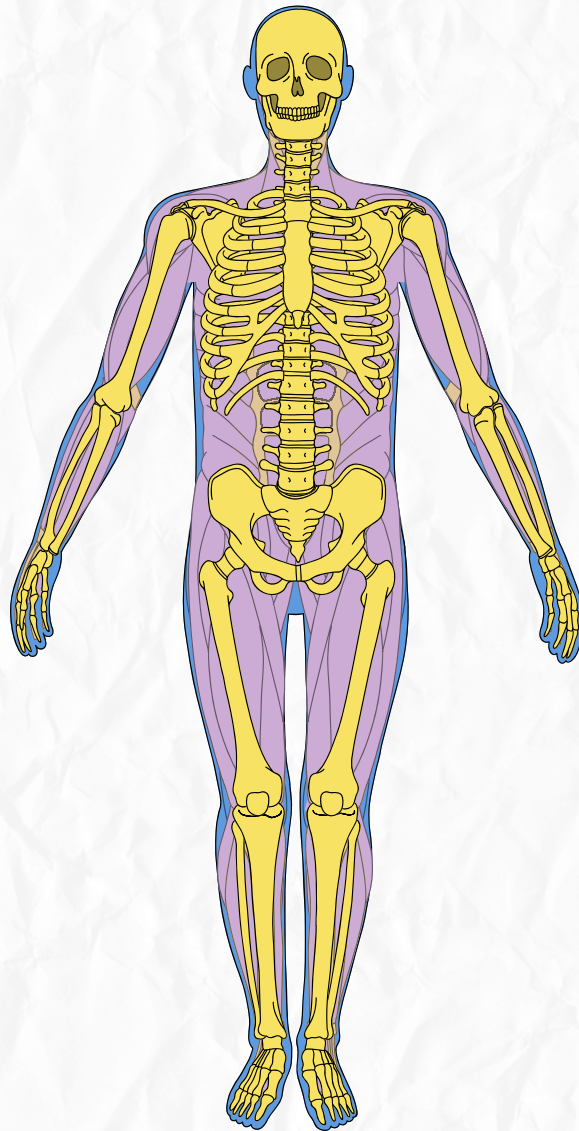


Physiology

Quiz time



Lec 9

Done by: Lamara Al Ayed

A patient with a parasitic infection shows elevated eosinophils on a blood smear. .1

?Which statement about eosinophils is accurate

- .A. They secrete histamine during allergies
- .B. They release enzymes to kill parasites
- .C. They transform into macrophages in tissues
- .D. They produce antibodies

Answer: B

Which blood cell type is directly responsible for histamine release in the bloodstream .2
?during anaphylactic shock

- A. Eosinophils
- B. Neutrophils
- C. Basophils
- D. Lymphocytes

Answer: C

Which type of T-lymphocyte is responsible for directly killing cells that are infected .3
?with a virus

- A. Helper T-cell (CD4+)
- B. Suppressor T-cell
- C. Memory T-cell
- D. Cytotoxic T-cell (CD8+)

Answer: D

Which of the following statements correctly distinguishes between monocytes and .4
?neutrophils

- .A. Monocytes are the first responders; neutrophils are the clean-up crew
- B. Monocytes circulate longer and become tissue macrophages; neutrophils are short-lived phagocytes
- .C. Monocytes are more numerous; neutrophils are less numerous
- .D. Monocytes are granulocytes; neutrophils are agranulocytes

Answer: C

:Long-term immunity after a viral infection is primarily the function of .5

- A. Helper T-cells
- B. Memory cells
- C. Suppressor T-cells
- D. Plasma cells

Answer: B

Which white blood cell is known as a "microphage" and is the first to arrive at the site of a bacterial infection .6

- A. Monocyte
- B. Eosinophil
- C. Basophil
- D. Neutrophil

Answer: D

In the mnemonic "Never Let Monkeys Eat Bananas", which cell type is represented by "Monkeys" and what is its percentage .7

- A. Monocytes, 2-8%
- B. Monocytes, 20-40%
- C. Neutrophils, 50-70%
- D. Basophils, 0-1%

Answer: A

:HIV causes immune deficiency primarily by destroying .8

- A. B-lymphocytes
- B. Cytotoxic T-cells
- C. CD4 Helper T-cells
- D. Neutrophils

Answer: C

The process by which WBCs squeeze through the capillary wall to reach the site of injury is called .9

- A. Chemotaxis
- B. Diapedesis
- C. Phagocytosis
- D. Amoeboid movement

Answer: B

Which cells are responsible for "Humoral Immunity" by producing antibodies .10

- A. T-lymphocytes
- B. B-lymphocytes (Plasma cells)
- C. Natural Killer cells
- D. Monocytes

Answer: B