



## Assignment 3



1-Mention 2 factors affecting (erythropoiesis) RBCs formation.

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2-Enumerate 2 causes of vascular spasm after injury.

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3-Enumerate 2 types of RS cells

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4-Enumerate 2 microscopic features OF TB Lymphadenitis.

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5-A female from Alnikhela province near Assiut had unilateral leg swelling with non-pitting edema, previous attacks of fever, lymphangitis in the swollen leg. CBC showed eosinophilia. Stained smears were examined microscopically. A moderate number of sheathed motile microorganisms 200-300x7  $\mu$  are revealed which contain numerous nuclei. Anterior end rounded, posterior end pointed and has no nuclei

I-What is the diagnosis of this patient and mention the causative parasite?

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II- Explain the pathogenesis of this case?

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**Enumerate:**

**6- Two morphological changes occur during erythropoiesis.**

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**7- Two differences between neutrophil and monocyte.**

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**8- Describe the anatomy of the spleen (surfaces, borders and blood supply.**

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**9- Describe the anatomy of the thoracic duct.**

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**10- Define the lymph.**

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**11- Describe the component of the lymphatic system.**

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**13- Describe anatomy of the thymus gland.**

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**14- Enumerate the functions of the lymphatic system.**

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**15- Enumerate sites that have no lymphatics.**

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