

HLS-Physiology

Archive

Lecture 6

Hemostasis

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1) Vitamin K is important for synthesis of which of the following clotting factors?

- a. IV and VIII.
- b. II and VII.
- c. I and IV.
- d. XI and XII.
- e. I and III.

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Ans : b

2) The conversion of fibrinogen to fibrin is promoted by?

- a. Factor X.
- b. Thrombin.
- c. Platelets.
- d. Prothrombin.
- e. Factor IX.

Ans : b

3) The coagulation pathway that begins with tissue thromboplastin is?

- a. Extrinsic pathway.
- b. Intrinsic pathway.
- c. Common pathway.
- d. Fibrin stabilization.
- e. Fibrinolysis.

Ans : a

4) What is the proper pathway for the extrinsic clotting pathway?

- a. Contact of blood with collagen, formation of prothrombin activator, conversion of prothrombin into thrombin, conversion of fibrinogen into fibrin threads.
- b. Tissue trauma, formation of prothrombin activator, conversion of prothrombin into thrombin, conversion of fibrinogen into fibrin threads.
- c. Activation of platelets, formation of prothrombin activator, conversion of prothrombin into thrombin, conversion of fibrinogen into fibrin threads.
- d. Trauma to the blood, formation of prothrombin activator, conversion of prothrombin into thrombin, conversion of fibrinogen into fibrin threads.
- e. Collecting blood sample on silicon coated test tubes.

Ans: b

Role of Thrombin in Blood Clotting.....?

- **profound positive feedback effect on its own formation!**

