

Laboratory Investigation of Bleeding Disorders

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Outline

- A. Normal mechanisms of blood clotting
 1. Platelet plug formation
 - a. Platelet adhesion

 - b. Platelet aggregation

 2. Coagulation
 - a. Extrinsic pathway (initiation pathway)

 - b. Intrinsic pathway (propagation pathway)

 - c. Common pathway

 - d. Fibrin crosslinking

3. Fibrinolysis

a. Plasmin generation

b. Plasmin regulation

B. Case studies

1. Case 1: Acquired von Willebrand disease

a. History

b. Lab studies

c. Discussion

2. Case 2: Platelet secretion defect

a. History

b. Lab studies

c. Discussion

C. References

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