Laboratory Investigation of Hypercoagulability

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Outline
A. Mechanisms that down-regulate thrombin generation
   1. Heparin - Antithrombin system
   2. Thrombomodulin - Protein C - Protein S system

B. Venous thromboembolism
   1. Definition
   2. Anatomic locations
   3. Epidemiology
   4. Pathogenesis
5. Risk factors

6. Prognosis

C. Case studies

1. Case 1: Heterozygous Factor V Leiden mutation
   a. History
   b. Lab studies
   c. Discussion

2. Case 2: Antiphospholipid antibody syndrome
   a. History
   b. Lab studies
   c. Discussion
D. References


