**September 5, 2023 AHD Learning Objectives**

**Sickle Cell Disease (SCD)**

1. Describe how to make the diagnosis of vaso-occlusive crisis (VOC).
2. Summarize strategies for starting inpatient pain treatment for patients with VOC.
3. Recognize specific risks and complications of sickle cell disease (SCD)
4. Define acute chest syndrome and describe recommendations for transfusion therapy in patients with SCD
5. Explain how bias can interfere with adequate assessment and treatment of patients with sickle cell disease.
6. Describe pseudoaddiction and how it differs from opioid use disorder.

**Thrombocytopenia**

1. Define mild, moderate, and severe thrombocytopenia in adults. Know the specific platelet counts are required for the following procedures to be done safely: lumbar puncture, abdominal surgery, central line placement, and vaginal delivery. What platelet count is concerning for spontaneous bleeding in adults?
2. Know the contraindications for platelet transfusion.

3. List several diseases that cause thrombocytopenia in the following three categories:

1) decreased production,

2) increased sequestration, and

3) increased destruction.

4. Describe the first, most important lab test to order in the evaluation of a patient with

thrombocytopenia.

1. Define factitious thrombocytopenia (also called pseudothrombocytopenia). Understand how the diagnosis is made and its significance.
2. Make a table and distinguish between the 4 causes of emergent thrombocytopenia in terms of clinical presentation, laboratory evaluation, and management. (ITP, HIT(T), TTP, HLH and HELLP syndrome).

**Anticoagulation Jeopardy**

1. Review the updated Chest Guidelines for Anticoagulation for VTE, August 2021.
2. Review the Chest Guidelines for Anticoagulation for Atrial Fibrillation, November 2018.
3. Review the updated Chest Guidelines for Perioperative management of Anticoagulation, August 2022.
4. Review the 2020 ACC/AHA guidelines for anticoagulation in patients with prosthetic heart valves.