**March 1st Academic Half Day**

9:30 - 10:15 Lecture 1 Dr. Shamsid-Deen (Pulmonary Hypertension)

10:15 - 11:00 Lecture 2 Dr. Morris (Chest Imaging )

11:30 - 12:15 Lecture 3 Dr. Puebla (COPD)

Pulmonary Hypertension

1.  Define the clinical manifestations of pulmonary hypertension.

2.  Describe the tests used to make the diagnosis of PAH and the appropriate work up to order in the evaluation of a patient with a new diagnosis of PAH.

3.  Discuss the importance of a right heart catheterization in the evaluation of PAH.

4.  Describe the standard treatments for PAH including the endothelin receptor antagonists, the prostacyclins, and the phosphodiesterase type 5 inhibitors and their side effects.

Chest Imaging

1. Know the difference between PA vs AP CXR. Understand the terms inspiration, penetration, and rotation and apply them to determine a technically adequate film.
2. Learn the basic anatomy of the fissures of the lungs, heart borders, bronchi, and vasculature that can be seen on a chest xray.
3. Learn how the silhouette sign can help localize pathology.
4. Appreciate the appearance of pulmonary edema, atelectasis, pneumonia, pleural effusions, and pneumothorax. Appreciate the correct location of an endotracheal tube, central line, and duotube.
5. Develop a consistent technique for reading images.

COPD

1. Define COPD based on pathophysiology and spirometry.

2. Describe the different stages of COPD severity by Gold criteria, including mMRC and how COPD assessment test is utilized.

3. Know the recommended treatment for each stage of COPD severity.

4. Describe the diagnosis and management strategy of COPD exacerbation.