**Nov 17**

**Solitary Pulmonary Nodule**

1. Define a solitary pulmonary nodule.
2. List some of the common etiologies of benign and malignant solitary pulmonary nodules.
3. Describe the radiologic features suggestive of a benign lesion vs. a malignant lesion.
4. Describe the patient characteristics that increase the risk of a nodule being malignant.
5. Discuss the indication for PET/CT in the evaluation of a pulmonary nodule.
6. Describe the management algorithm of patients with nodules < 8mm or >8mm.

**Chest xray**

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.

**PFT interpretation**

1. List the three factors that must be confirmed before PFTs can be reliably interpreted.
2. Describe the six steps of interpretation of PFTs and understand their values in order to make a diagnosis.