

### Respiratory System Review:

1. Complete overview of respiratory anatomy and physiology.
2. Complete review of respiratory system blood flow.
3. Mechanism and properties of lung perfusion imaging.
  - a. Pulmonary blood pressure.
  - b. MAA properties.
4. All techniques of ventilation studies.
  - a. DTPA
  - b. Xenon
  - c. Krypton
5. Be able to identify all views on a lung scan.
6. Understand Mismatching and Matching defects.
7. Lung scans for PE vs. lung scans for Quantification.

### Infection and Oncology:

1. Pathogenesis of cancer.
2. Pathogenesis of abscess.
3. Method of localization of Gallium Citrate.
4. All properties (decay, energy, instrumentation, etc) of Gallium.
5. Indications and imaging parameters of Gallium imaging.
6. Method of localization of In111-wbc
7. Method of In111wbc tagging.
8. Indications and imaging parameters of In-111 wbc imaging.
9. Tc99m Ceretec WBC imaging.
10. Usefulness and importance of Bone Marrow imaging with Sulfur Colloid.
11. Octreotide imaging.
12. Lymphoscintigraphy imaging (all three)
13. Breast imaging with Miraluma (aka sestamibi)