

NMT 205 Test 1 Review:

When reviewing for our first test please make sure you cover the following topics:

Computers:

1. Binary System
2. Word vs. Byte
3. 2 to the power of n -1 formula
4. Hardware: input/output devices, storage, memory, CPU
5. x,y,z signals
6. matrix size vs pixel size vs count rate
7. image acquisition modes
8. networking

Nuclear Angiography:

1. Circulatory pathways
2. Arteries vs. Veins
3. Circulation through the heart
4. Properties of Tc99m MAA
5. Properties of Tc99m RBC (methods of tagging and efficiencies)
6. Dorsal Vein Technique
7. Tc99m RBC Venography
8. Shunt Imaging
9. First Pass

Musculoskeletal Imaging:

1. Function of bones
2. Composition of bones
3. Bone types
4. Bone metabolism
5. Types of skeleton classification
6. Types of joints
7. Indications for bone imaging
8. Properties of current radiopharmaceuticals
9. Whole body imaging vs. Three (four) phase imaging
10. Patient prep
11. Whole body imaging procedure and special views
12. Three phase bone imaging procedure and special views
13. Interpretation of results