

Imaging Quiz #1

Questions

Sequence Drag and Drop, 10 points

1. Order the following imaging modalities from least expensive to most expensive?

Choice	Correct Order
Plain radiograph	
MRI	
Bone scan	
Ultrasound	

Fill in the Blank, 10 points

2. The darker areas on a plain radiograph indicate that the x-ray beam has passed through _____ density tissue.

Answer : _____

Multiple Choice, 10 points

3. Which of the following imaging modalities is the most specific?

Bone scan

Plain radiograph

Ultrasound

CT scan

True/False, 10 points

4. The radiation exposure from a chest x-ray is equivalent to 10 days of natural background radiation .

True

False

Sequence Drag and Drop, 10 points

5. Order the following imaging modalities from lowest to highest radiation dose.

Choice	Correct Order
Chest x-ray	
Barium enema	
MRI	
CT scan	

Fill in the Blank, 10 points

6. You review an MRI scan noting that the joint fluid appears bright and subcutaneous fat is dark. This is characteristic of a T___ weighted scan.

Answer : _____

Multiple Choice, 10 points

7. Which of the following is an absolute contraindication to an MRI of the brain?

- Implanted metal vascular clips
- Allergy to iodine
- Age under 1 year
- Claustrophobia

Matching Drag and Drop, 10 points

8. Match the pathologies with the imaging technique most likely to yield a diagnosis.

Choice	Correct Match	Match
Anterior cruciate ligament tear		Bone scan
Fractured femur		MRI
Stress fracture metatarsal		Plain radiograph
Hip dislocation in one month old		Ultrasound