

Radiology Board Exam

Well done! You have successfully stayed awake through Mr. Gonyo's "Medical School" classes and have earned your **Radiology Internship**. Your next step is a two "year" **Residency** program in which you will perform all of the duties of a radiologist including the best part ... billing your patients! You must first, however, demonstrate your competency by passing this little ole **Radiology Proficiency Board Exam (RPB)**. Good luck!

Part 1: The Exam - complete this before doing the X-Rayted Lab. Use your Radiology Reference Guide.

1. What is the name of this exam? _____ Exam
2. A doctor who specializes in reading x-rays and other imaging media is called a _____.
3. Your skeleton is made of living bone cells, _____, _____, _____, and water.
4. Places where bones meet are called _____.
5. Match these joints:

- | | |
|----------------------------------|--------------------|
| _____ neck | a) Ball and socket |
| _____ sacrum, pelvis, cranium | b) Pivot |
| _____ knee, elbows, fingers, jaw | c) Fixed |
| _____ forearm, lower leg | d) Hinge |
| _____ vertebra, hands, feet | e) Swivel |
| _____ shoulders, hips | f) Gliding |



6. A broken bone is called a _____.
7. Match these fractures:

- | | |
|-------------------|---|
| _____ Greenstick | a) bone is broken in 3 or more fragments. |
| _____ Hairline | b) bone is flattened out of shape. |
| _____ Stress | c) bone is cracked along a long, thin line. |
| _____ Simple | d) bone is bent and broken on one side only. |
| _____ Comminuted | e) bone is partially broken by repeated stress. |
| _____ Compound | f) bone is broken and punctures skin. |
| _____ Compression | g) bone is broken and does not puncture skin. |

8. Soft tissues show up better when a special dye called a _____ is given to the patient.
9. Look through the "X-ray Files" of your Reference Guide (pp 4-16). List the page number where you would find each of these:

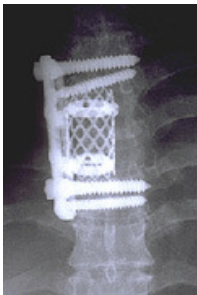
- | | | |
|-----------------------------|----------------------|--------------------------|
| _____ forearm and lower leg | _____ pelvic girdle | _____ lumbar spine |
| _____ thoracic spine | _____ cervical spine | _____ knee |
| _____ rib cage and sternum | _____ wrist | _____ shoulder and elbow |
| _____ the foot | _____ ankle | _____ the hand |

10. Study the "X-ray Files" (page 19) and diagnose these x-rays:



_____ Fracture _____ Fracture _____ Fracture

11. Study the remaining "X-ray Files" and identify these:



12. Before being exposed to X-rays, the film is _____ (Clear / Black / White) pick one

Part2: Follow up - complete this after completing the X-Rayted Lab.

13. What does the "Electronic Man" have inside of him that most of us do not? _____

14. Who was your favorite patient? _____ Why? _____

15. Congratulations! It is now time to send out the bill for your services. Have your secretary calculate the total charges for the x-rays you read in this lab. Charges range from \$20.00 for a simple x-ray to \$300 for some MR scans. Let's use \$35 as our standard fee.

Total number of x-rays in lab _____ X \$35 per x-ray = \$ _____ (your money)

By the way, if you don't have time to read all of the x-rays we can send them to your home by **Teleradiography**.

16. Complete the Patient Survey.

