Radiology Pursuit

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- 1. Gather your team and separate into groups.
- 2. Select a host to read each question.
- 3. Provide each team with a dry-erase board or pieces of paper and a pen.
- 4. After the question is asked, the team who records the correct answer first will receive the points.
 - a. Each question is worth 5 points.
- 5. Points will be tallied at the end of the game. The team with the most points wins! a. The host will ask a tiebreaker question in the event of a tie.



1. X-ray has been around for a long time; in what year was it discovered?

- a. 1800
- b. 1895
- c. 1900
- d. 1925

2. True or False: X-rays have been used in art to examine paintings.

3. Who discovered and developed X-rays?

- a. Wilhelm Roentgen
- b. Marie Curie
- c. Winston Churchill
- d. Godfrey Hounsfield

4. In what decade did radiation therapy become a specialized field?

- a. 1930s
- b. 1940s
- c. 1950s
- d. 1960s

5. On average, how many MRI scans are performed each year?

- a. Over 10 million
- b. Over 17 million
- c. Over 37 million
- d. Over 56 million

6. True or False: NASA uses a giant X-ray called Chandra to take images of outer space.

7. What band is largely attributed with spurring development of the CT scanner?

- a. Backstreet Boys
- b. U2
- c. The Beatles
- d. Nirvana



8. True or False: Specialists in fields such as surgery, orthopedics, vascular surgery and cardiology use a D-arm for intraoperative imaging.

9. Who invented tomography to use radiographic film to see a single slice of the body?

- a. Alessandro Vallebona
- b. Mathias Prokop
- c. Godfrey Hounsfield
- d. Queen Elizabeth

10. In what city was the first CT scan performed?

- a. London
- b. Wimbledon
- c. Liverpool
- d. Paris

11. In 2021 Siemens Healthineers introduced the world's first _____

- a. 4D ultrasound
- b. Photon-counting CT system
- c. Mobile X-ray
- d. Mobile C-arm

12. What percentage of women diagnosed with breast cancer have no family history of the disease?

- a. 20%
- b. 35%
- c. 50%
- d. 75%



13. At what age do the American College of Radiology and the Society of Breast Imaging recommend that women receive annual mammograms?

- a. 25 years old
- b. 30 years old
- c. 40 years old
- d. 55 years old

14. What is breast density?

- a. A measure of how much muscle is in the breast
- b. A measure of how much fibrous and glandular tissue in the breast
- c. A measure of breast size
- d. A measure of the firmness of the breast

15. What are radiotracers?

- a. Small amounts of radioactive materials are typically injected into the bloodstream, inhaled or swallowed
- b. Electrolytes in water
- c. Sodium iodide for use with thyroid patients
- d. Artificial radionuclide, phosphorus-32, used to treat leukemia

16. Who discovered the technique that underlies Functional MRI (fMRI)?

- a. Mona Lisa
- b. Raymond Damadian
- c. Seiji Ogawa
- d. Isidor Rabi

17. True or False: Children are not allowed to undergo nuclear medicine procedures.

18. What imaging system is typically used when looking for a brain injury or skull fracture?

- a. MRI
- b. CT
- c. X-ray
- d. C-arm



19. What is CT contrast typically made of?

- a. lodine-based
- b. Gadolinium
- c. Barium-sulfate
- d. Saline

20. Approximately how many MRI systems are in the United States?

- a. 10,000
- b. 12,000
- c. 15,000
- d. 20,000



1. The strength of the magnetic field in MRI is rated using a unit measurement known as what?

- a. Tesla
- b. Radio waves
- c. Nuclear magnetic resonance
- d. Super strength

Sources: ASRT https://www.asrt.org/promotions/centennial;

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