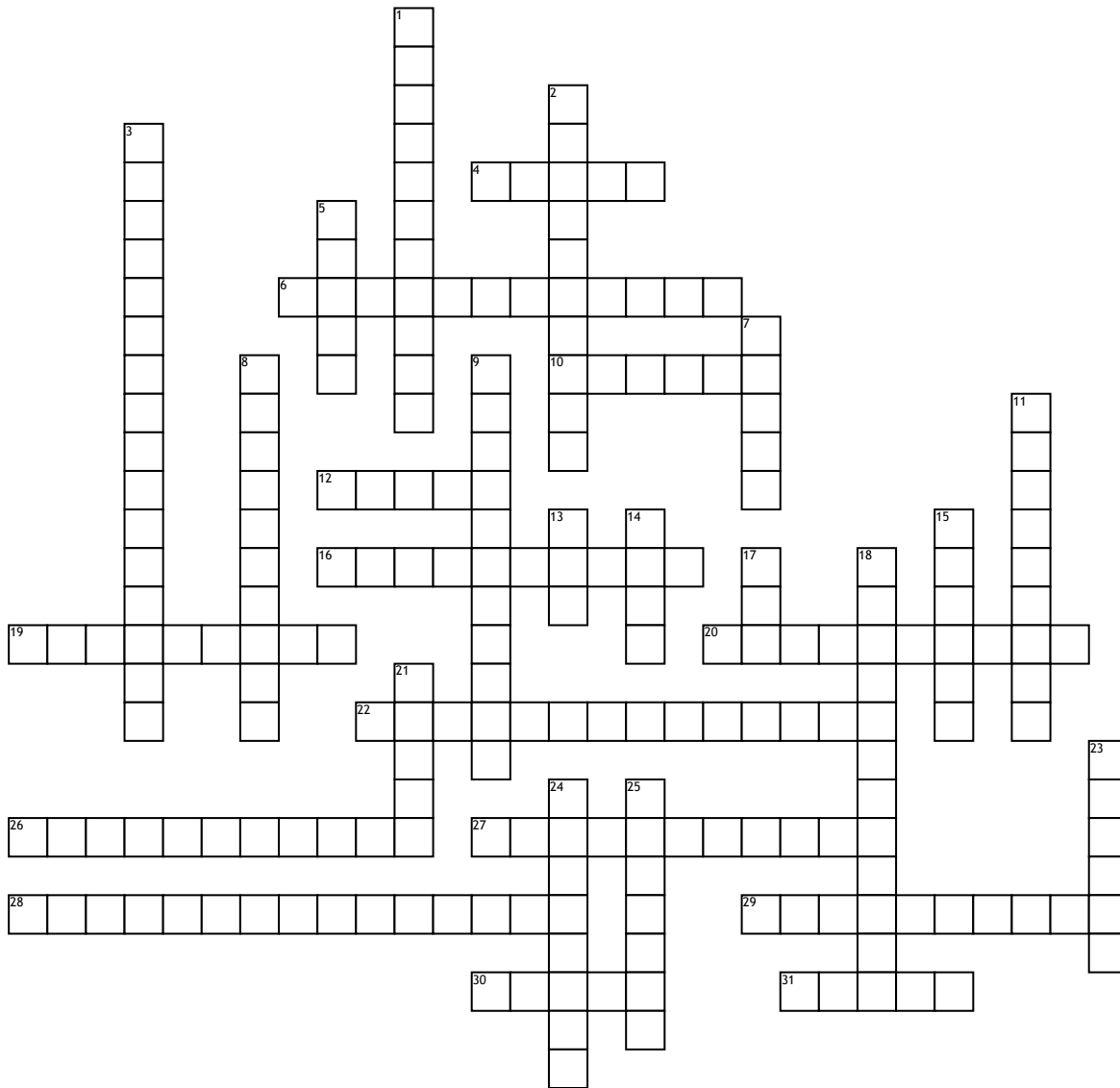


Ultrasound Crossword



Across

4. what principle must be followed in Sonography to ensure the lowest dose possible?
6. this plane of probe orientation will produce an image that resembles a sagittal or CT scan
10. Organization which regulates Ultrasound use as well as other imaging technologies
12. this mode uses gray scale which allows the intensity of returning echoes to be represented by varying degrees of grayness
16. a structure/region that produces fewer echoes than normal (dark)
19. a structure/region that produces a similar number of echoes as are produced by surrounding tissue
20. sound waves with frequencies higher than audible sound are called
22. Introduced in the 90s, these systems convert the ultrasound images to a digital format, are higher definition and offer 3D and 4D
26. Title of the technician who is licensed in sonography use
27. type of radiation used in ultrasound

28. This mode allows physicians and sonographers to view the anatomy during the actual scan

29. this plane of probe orientation will produce an image that resembles an axial or transverse CT scan

30. which mode represents anatomy by a series of "blips" seen on a monitor?

31. another word for a wave of energy which is emitted by the transducer

Down

1. specialized doctor who reads the ultrasounds as well as x-rays, CT scans and other diagnostic images

2. handheld mechanism which creates high frequency sound, which converts returning sound to electrical energy in order to produce an image

3. this device, similar to a computer screen, displays the ultrasound images for viewing

5. Way to display movement of a structure on a scale

7. The birth of ultrasound happened during World War 1 with the development of _____

8. during this mode, the transducer sends and receives sound energy continuously

9. highly reflective (echogenic) structures as compared with surrounding structures (white)

11. a structure/region that highly reflects sound energy (light)

13. equivalent to one million cycles per second per single unit, ultrasound sound waves are measured in this format

14. Ultrasound uses _____ frequency sound waves to produce images

15. images are produced by recording _____

17. substance used to eliminate trapped air between the face of the transducer and surface of the skin

18. a study done which produces a great number of diagnostic images of the uterus and ovaries

21. ultrasound is the gold standard for studies of this organ which is located in the RUQ

23. in this mode, the transducer sends out a short burst of ultrasound energy followed by a silent period

24. a structure/region that does not produce and echoes (black)

25. first used in japan to study vascular structures and the behavior of flowing blood