Craig's Essentials of Sonography and Patient Care 5th edition deJong Test Bank

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Test Bank - Chapter 01

Q1: Diagnostic ultrasound uses frequencies between:

A. 2.0 and 15.0 MHz.
B. 1.0 and 15.0 MHz.
C. 2.0 and 20.0 MHz.
D. 1.0 and 20.0 MHz. (Correct)

Q2: Sound exceeds human hearing when the cycles per second exceed:

A. 10,000 Hz.
B. 15,000 Hz.
C. 20,000 Hz. (Correct)
D. 25,000 Hz.

Q3: Humans can hear frequencies as low as:

A. 10 cycles per second.
B. 15 cycles per second.
C. 20 cycles per second. (Correct)
D. 50 cycles per second.

Q4: Sonography is the _____ oldest imaging modality.

A. Second
B. Third (Correct)
C. Fourth
D. Fifth

Q5: The phenomenon of piezoelectricity was discovered by:

A. the Curie brothers. (Correct)
B. John Reid.
C. Ian Donald.
D. Wilhelm Roentgen.

Q6: Who discovered X-rays?

A. John Reid
B. Martin Wilcox
C. George Ludwig
D. Wilhelm Roentgen (Correct)

Q7: Which country led the development of color Doppler?

A. Germany

B. Japan (Correct)
C. Holland
D. United States

Q8: Research began on medical applications for sonar after:

A. World War I.
B. World War II. (Correct)
C. Korean War.
D. Vietnam War.

Q9: Who first considered using ultrasound to distinguish between healthy and cancerous tissue in both the breast and intestines?

A. John Wild (Correct)
B. Douglass Howry
C. Ian Donald
D. George Ludwig

Q10: Who is credited with developing the first Doppler device for medical diagnostics?

A. Eugene Strandess
B. Shigeo Satomura (Correct)
C. Robert Rushner
D. Koroku Namekawa