

This is what M-mode stands for and says that it is a clip of a certain portion of the ultrasound image over time

Self Learning

Doppler physics that the more parallel the path of moving object from beam, the more accurate

Question	Answer	Correct
3	Velocity scale must be set properly if using it to make judgments on veins and arteries. Each machine has a way to alter the color velocity scales	
4	The higher frequency probes are better resolution and allows one to view superficial structures better	
	The phased array has higher frame rate and allows visualization and quantification of moving objects better. This is why it is better in echo ultrasound since a lot of information is obtained from valves and movement of the cardiac walls	

1. What does M-mode stand for?
A. Measure mode
B. Mean mode
C. Motion mode
D. Marvelous mode
2. For Doppler mode to be accurate, the angle between ultrasound beam and path of moving object should be:
A. Perpendicular
B. Parallel
C. Doesn't matter
D. 45 degrees
3. In order to optimize detection of low velocity flow (like a vein), the velocity scale will need to be changed to:
A. A low velocity scale
B. A medium velocity scale
C. A high velocity scale
4. Which probe would be best to image the jugular veins?
A. Phased array (2-5 MHz)
B. Curved linear array (5-7 MHz)
C. Linear array (7-10 MHz)
D. Microconvex probe (5-7 MHz)
5. The phased array transducer:
A. Is good for superficial vascular structures
B. Can only image 2D and has no Doppler
C. Ideal for cardiac due to its high frame rate
D. Does not have a small footprint to fit in between rib spaces