

Chapter 7 Study Questions

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1. What do we mean by m-mode or 2-D mode echocardiography?
2. Name three cases (conditions) where you might want to do a stress echocardiogram instead of electrocardiogram during a stress test.
3. How is continuous wave Doppler used to measure cardiac output?
4. What is transcranial Doppler used for?
5. Which type of Doppler imaging would you use to assess cardiac wall motion or valve function? M mode, 2-D doppler, transcranial dopper?
6. Give an example of when color Doppler imaging might be useful.
7. Why is echocardiography useful for screening athletes? What is it used to screen for?
8. To calculate cardiac chamber volumes during 2-D echo, what geometric assumption has to be made?
9. To measure blood flow through an artery (carotid artery, aorta for example), what 2 separate measurements must be obtained, one using m-mode and one using 2-D imaging?