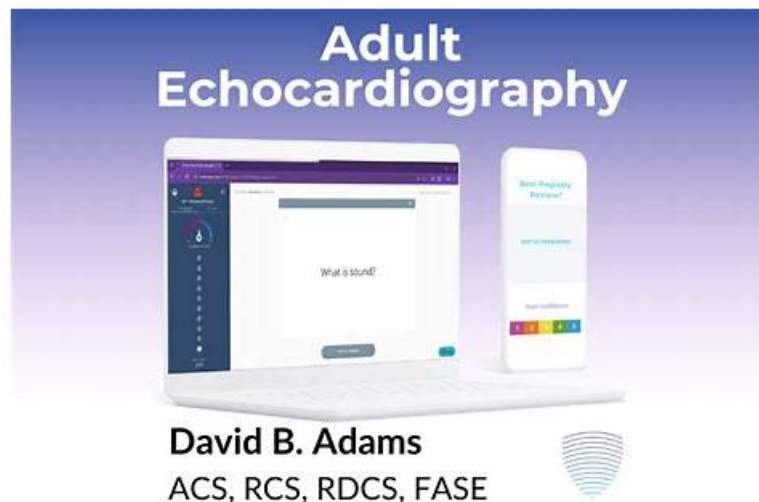


AE-Adult-Echocardiography模擬試験、AE-Adult-Echocardiography英語版



AE-Adult-Echocardiography試験に合格するために、どうすればいいですか？ たくさんの人はそのような疑問があるかもしれません。最もよい方法はAE-Adult-Echocardiography問題集を買うことです。AE-Adult-Echocardiography問題集の合格率は高いです。また、弊社はいいサービスを提供します。AE-Adult-Echocardiography問題集の更新版があったら、すぐお客様のメールボックスに送付します。どんな質問があっても、すぐ返事できます。だから、AE-Adult-Echocardiography試験に合格するには、AE-Adult-Echocardiography問題集を買うことは最善の選択です。

ARDMS AE-Adult-Echocardiography 認定試験の出題範囲：

トピック	出題範囲
トピック 1	• Measurement Techniques, Maneuvers, and Sonographic Views: This section of the exam measures skills of adult echocardiography technicians in performing accurate cardiac measurements, conducting provocative maneuvers, and obtaining optimized sonographic imaging views. It involves applying 2D, 3D, M-mode, and Doppler techniques to measure heart valves, chambers, and vessels, including the aortic valve, mitral valve, left and right ventricles, atria, pulmonary artery, and shunt ratios. Candidates must instruct patients in maneuvers such as Valsalva, cough, sniff, and squat. They should also be proficient in acquiring standard echocardiographic views including apical, parasternal, subcostal, and suprasternal notch views.
トピック 2	• Pathology: This section of the exam measures skills of adult echocardiography technicians and focuses on identifying and evaluating abnormal physiology and perfusion and postoperative conditions. It includes assessment of ventricular aneurysms, aortic and valve abnormalities, arrhythmias, cardiac masses, diastolic dysfunction, endocarditis, ischemic diseases, cardiomyopathies, congenital anomalies, and postoperative valve repair or replacement and intracardiac devices. Candidates must demonstrate ability to recognize abnormal Doppler signals, EKG changes, wall motion abnormalities, and a wide range of cardiac pathologies including pulmonary hypertension and septal defects.
トピック 3	• Instrumentation, Optimization, and Contrast: This section of the exam measures skills of adult echocardiography technicians related to use and optimization of ultrasound instrumentation and the application of contrast agents. Candidates should recognize imaging artifacts, utilize non-imaging transducers, and adjust ultrasound console settings for optimal imaging and Doppler recordings. Knowledge of harmonic imaging, principles of contrast agents, and the safe and effective use of saline and echo-enhancing contrast agents is essential. Candidates must also be able to optimize images when using contrast agents to ensure diagnostic quality.

トピック 4	• Clinical Care and Safety: This section of the exam measures skills of adult echocardiography technicians in applying clinical care principles and safety protocols. It includes evaluating patient history and external data, preparing patients including fasting state and intravenous line management, proper patient positioning, EKG lead placement, blood pressure measurement, and ergonomic techniques. Candidates are expected to identify critical echocardiographic findings, know contraindications for procedures, and be able to respond and manage medical emergencies that may arise during echocardiographic exams.
トピック 5	• Anatomy and Physiology: This section of the exam measures skills of adult echocardiography technicians and covers knowledge and abilities related to normal cardiac anatomy and physiology. It includes assessing great vessels like the aorta and pulmonary arteries, recognizing anatomic variants of the heart, and evaluating cardiac chambers, pericardium, valve structures, and vessels of arterial and venous return. Candidates must document normal systolic and diastolic function, normal valve function and measurements, the phases of the cardiac cycle, normal Doppler changes with respiration, and appearance of arterial and venous waveforms. This also involves assessing the normal hemodynamic response to stress testing and maneuvers such as Valsalva, respiratory, handgrip, and postural changes.

>> AE-Adult-Echocardiography模擬試験 <<

AE-Adult-Echocardiography試験の準備方法 | ユニークなAE-Adult-Echocardiography模擬試験試験 | 効果的なAE Adult Echocardiography Examination英語版

私たちは本当にお客様の貴重な意見をAE-Adult-Echocardiography試験資料の作りの考慮に入れます。おそらく、君たちは私たちのAE-Adult-Echocardiography試験資料について何も知らないかもしれませんが。でも、私たちのAE-Adult-Echocardiography試験資料のデモをダウンロードしてみると、全部わかるようになります。そのデモはAE-Adult-Echocardiography試験資料の一部を含めています。

ARDMS AE Adult Echocardiography Examination 認定 AE-Adult-Echocardiography 試験問題 (Q74-Q79):

質問 # 74

How is the aorta in a structurally normal heart oriented?

- **A. Posterior and to the right of the pulmonary artery**
- B. Anterior to both the pulmonary artery and the coronary sinus
- C. Anterior and to the left of the pulmonary artery
- D. Parallel to the pulmonary artery

正解: A

解説:

Comprehensive and Detailed Explanation From Exact Extract:

In a normal heart, the ascending aorta arises from the left ventricle and courses superiorly and posteriorly to the right of the pulmonary artery, which arises anteriorly from the right ventricle. The aorta is positioned posterior and to the right of the main pulmonary artery, reflecting the normal spatial relationship.

The pulmonary artery is anterior and to the left of the aorta, and the coronary sinus lies posteriorly in the atrioventricular groove. This anatomical relationship is detailed in the "Textbook of Clinical Echocardiography, 6e", Chapter on Cardiac Anatomy and Echocardiographic Landmarks#20:50-55Textbook of Clinical Echocardiography#.

質問 # 75

Which parameter is expected to increase in the presence of cardiac tamponade?

- **A. Heart rate**
- B. Systolic blood pressure
- C. Oxygen saturation

- D. Diastolic blood pressure

正解: A

解説:

In cardiac tamponade, pericardial fluid accumulation restricts cardiac filling leading to decreased stroke volume and cardiac output. As a compensatory mechanism, the heart rate increases (tachycardia) to maintain cardiac output.

Oxygen saturation typically does not increase; it may be normal or decreased if tamponade leads to hypoperfusion. Systolic and diastolic blood pressures often decrease due to reduced cardiac output.

This physiological response is well described in clinical cardiology texts and ASE pericardial disease guidelines#12:ASE Pericardial Disease Guidelinesp.300-305##16:Textbook of Clinical Echocardiography, 6p.280-285#

質問 # 76

Identify the right pulmonary artery.

Using your mouse, place the cursor on the appropriate region of the image and then left click the mouse button to indicate your selection.



Which mitral regurgitation jet direction is most consistent with hypertrophic obstructive cardiomyopathy?

- A. Anterior
- B. Central
- C. Posterior
- D. Medial

正解: C

解説:

Comprehensive and Detailed Explanation From Exact Extract:

In hypertrophic obstructive cardiomyopathy (HOCM), systolic anterior motion (SAM) of the anterior mitral leaflet causes posteriorly directed mitral regurgitation (MR) jets. The abnormal anterior leaflet motion leads to incomplete leaflet coaptation and regurgitant flow directed toward the posterior left atrium.

Anterior jets are seen with posterior leaflet abnormalities. Central jets are seen in functional MR. Medial jets are less common and depend on leaflet pathology.

This jet direction is an important echocardiographic feature distinguishing HOCM-related MR and is outlined in ASE valvular heart disease and cardiomyopathy guidelines#12:ASE Valvular Regurgitation Guidelinesp.

220-225##16:Textbook of Clinical Echocardiography, 6p.350-355#.

質問 # 77

Which wall is indicated by the arrow on this video?



- A. Inferolateral
- B. Inferoseptum
- C. Anterolateral
- D. Anteroseptum

正解: A

解説:

Comprehensive and Detailed Explanation From Exact Extract:

The apical two-chamber echocardiographic view displays the inferolateral wall (also called posterior lateral).

The arrow points to this inferolateral segment, which is located inferiorly and laterally in the left ventricle.

Anteroseptum and inferoseptum relate to the interventricular septum, while anterolateral is the anterior lateral wall, opposite the inferolateral wall. Correct regional wall motion assessment is essential for ischemic disease evaluation.

This identification and terminology are described in ASE stress echocardiography and chamber quantification guidelines#12:ASE Stress Echocardiography Guidelinesp.310-315##16:Textbook of Clinical Echocardiography, 6ep.380-385#.

質問 # 78

Which finding is NOT associated with severe mitral valve regurgitation?

- A. Mitral regurgitant jet velocity less than 0.5 cm/sec
- B. Severely dilated left atrium
- C. Eccentrically directed mitral regurgitant jet
- D. Systolic flow reversal in the pulmonary vein

正解: A

解説:

Severe mitral regurgitation (MR) is typically characterized by significant left atrial dilation due to volume overload, and systolic flow reversal in the pulmonary veins caused by retrograde flow from the left ventricle into the left atrium during systole.

An eccentric mitral regurgitant jet is common in severe MR, often due to leaflet prolapse or flail, resulting in directed jets that hug the atrial wall.

Mitral regurgitant jet velocity, however, is usually significantly higher in severe MR due to the high pressure gradient between the left ventricle and left atrium during systole. A jet velocity less than 0.5 cm/sec is extremely low and inconsistent with severe MR. Typically, MR jet velocities are in the range of several meters per second.

Thus, a mitral regurgitant jet velocity less than 0.5 cm/sec is NOT associated with severe MR.

This is detailed in echocardiography literature discussing MR quantification and Doppler findings, emphasizing high-velocity regurgitant jets in severe MR and hemodynamic consequences seen on pulmonary vein flow and LA size .

質問 # 79

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- 更新するAE-Adult-Echocardiography模擬試験試験-試験の準備方法-一番優秀なAE-Adult-Echocardiography英語版 □ 今すぐ【www.mogixexam.com】を開き、▶ AE-Adult-Echocardiography ◀を検索して無料でダウンロードしてくださいAE-Adult-Echocardiography試験関連赤本
- AE-Adult-Echocardiography試験解説 □ AE-Adult-Echocardiography技術内容 ◀ AE-Adult-Echocardiography資格取得講座 □ ☼ www.goshiken.com □☼□サイトで✓ AE-Adult-Echocardiography □✓□の最新問題が使えるAE-Adult-Echocardiographyウェブトレーニング
- AE-Adult-Echocardiography日本語版問題集 □ AE-Adult-Echocardiography技術内容 □ AE-Adult-Echocardiography教育資料 □ ➡ www.shikenpass.com □から簡単に“AE-Adult-Echocardiography”を無料でダウンロードできますAE-Adult-Echocardiography合格体験談
- AE-Adult-Echocardiography技術内容 □ AE-Adult-Echocardiography試験復習赤本 □ AE-Adult-Echocardiography日本語版問題集 □ “www.goshiken.com”に移動し、□ AE-Adult-Echocardiography □を検索して、無料でダウンロード可能な試験資料を探しますAE-Adult-Echocardiography技術内容
- AE-Adult-Echocardiography試験復習赤本 □ AE-Adult-Echocardiography教育資料 □ AE-Adult-Echocardiography勉強方法 □ [www.xhs1991.com]で使える無料オンライン版□ AE-Adult-Echocardiography □ の試験問題AE-Adult-Echocardiography資料勉強
- AE-Adult-Echocardiography試験の準備方法 | 素晴らしいAE-Adult-Echocardiography模擬試験試験 | 有難いAE Adult Echocardiography Examination英語版 □ 今すぐ□ www.goshiken.com □を開き、➡ AE-Adult-Echocardiography □を検索して無料でダウンロードしてくださいAE-Adult-Echocardiography合格体験談
- AE-Adult-Echocardiography試験解説 ♥ AE-Adult-Echocardiography技術内容 □ AE-Adult-Echocardiography勉強方法 □ 時間限定無料で使える➡ AE-Adult-Echocardiography □の試験問題は▶ www.it-passports.com ◀サイトで検索AE-Adult-Echocardiography合格体験談
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- www.stes.tyc.edu.tw, estar.jp, myportal.utt.edu.tt, myportal.utt.edu.tt, myportal.utt.edu.tt, myportal.utt.edu.tt, myportal.utt.edu.tt, myportal.utt.edu.tt, tutor.aandbmake3.courses, nise.org.pk, myportal.utt.edu.tt, myportal.utt.edu.tt, myportal.utt.edu.tt, myportal.utt.edu.tt, myportal.utt.edu.tt, myportal.utt.edu.tt, myportal.utt.edu.tt, www.stes.tyc.edu.tw, www.stes.tyc.edu.tw, myportal.utt.edu.tt, myportal.utt.edu.tt, myportal.utt.edu.tt, myportal.utt.edu.tt, myportal.utt.edu.tt, myportal.utt.edu.tt, myportal.utt.edu.tt, myportal.utt.edu.tt, myportal.utt.edu.tt, myportal.utt.edu.tt, myportal.utt.edu.tt, www.stes.tyc.edu.tw, Disposable vapes