

# AE-Adult-Echocardiography學習資料, AE-Adult-Echocardiography真題

## Revised AE Adult Echocardiography Course

Please Get the Link of the Exam to proceed further - <https://www.educationry.com/?product=pass-ae-adult-echocardiography-certification-exam-educationry>

Are you preparing for the exam? Do you have the plan to study for the exam? Are you going to follow the current syllabus? If so, you are not on track. There are many questions that you should be asking yourself before starting your preparation. The first question should be: What do I want to achieve in this exam? Will this help me get a job or will it just give me another qualification? You should also think about the time and money that you are willing to spend on achieving this goal. If it is important, then why not use some of these resources wisely? You can get access to study material by subscribing to our website and taking advantage of our free practice tests. Before proceeding, one should also see all the essential features offered by us to get the right dumps material and that benefit as well. It includes two very easy format, one is the dumps and the other is the online practice test engine. Both have its importance.

One should have the actual questions and answers that help to get through the exam. For the comfort of the candidate, real questions and answers are provided so that one can easily learn the exam. The practice questions can be easily accessible and one can easily go through such material easily. The best part about the dumps is that one can download it easily anywhere like on a PC, laptop, or even on a smartphone device from where one can even prepare for an Exam when they are outside and away from home. To clear the Exam, one should learn the dumps but it is also very important to enhance confidence and skills. For this purpose one should use the online practice test engine in order to get success. This helps the candidate to get through the exam easily. There is learning mode as well as test mode both of which will help at the same time.

Experts had made the right dumps for the candidate in order to get success in the Exam. One can easily work hard by learning from these dumps and this won't waste time as well. The best thing is that these exam dumps help to clear all the concepts that help the candidate proceed and clear the Exam in no time. Often the syllabus of the Exam gets updated. Because of which the candidate might get in trouble. But we take the responsibility to provide with all the recent information and exam syllabus changes to those who had purchased the dumps for three months. This latest updates will help the candidate to prepare Exam as per the requirement. And with this update one can easily learn the exam.

P.S. KaoGuTi在Google Drive上分享了免費的、最新的AE-Adult-Echocardiography考試題庫：<https://drive.google.com/open?id=1657U0QompHsoqkzWS4Jolq1o1EICip37>

KaoGuTi是一家專業的，它專注于廣大考生最先進的ARDMS的AE-Adult-Echocardiography考試認證資料，有了KaoGuTi，ARDMS的AE-Adult-Echocardiography考試認證就不用擔心考不過，KaoGuTi提供的考題資料不僅品質過硬，而且服務優質，只要你選擇了KaoGuTi，KaoGuTi就能幫助你通過考試，並且讓你在短暫的時間裏達到高水準的效率，達到事半功倍的效果。

## ARDMS AE-Adult-Echocardiography 考試大綱：

主題	簡介
主題 1	<ul style="list-style-type: none"><li>• <b>Clinical Care and Safety:</b> 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.</li></ul>

主題 2	<ul style="list-style-type: none"> <li>• <b>Measurement Techniques, Maneuvers, and Sonographic Views:</b> 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.</li> </ul>
主題 3	<ul style="list-style-type: none"> <li>• <b>Anatomy and Physiology:</b> 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.</li> </ul>
主題 4	<ul style="list-style-type: none"> <li>• <b>Instrumentation, Optimization, and Contrast:</b> 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.</li> </ul>
主題 5	<ul style="list-style-type: none"> <li>• <b>Pathology:</b> 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.</li> </ul>

>> AE-Adult-Echocardiography學習資料 <<

## 真實的AE-Adult-Echocardiography學習資料&保證ARDMS AE-Adult-Echocardiography考試成功與頂級的AE-Adult-Echocardiography真題

ARDMS AE-Adult-Echocardiography是IT專業人士的首選，特別是那些想晉升的IT職員。ARDMS的AE-Adult-Echocardiography是一個可以給你的職業生涯帶來重大影響的考試，而獲得AE-Adult-Echocardiography認證是作為IT職業發展的有力保證。AE-Adult-Echocardiography考古題已經幫助了成千上萬的考生獲得成功，這是一個高品質的題庫資料。我們提供給您最近更新的AE-Adult-Echocardiography題庫資料，來確保您通過認證考試，如果您一次沒有通過考試，我們將給您100%的退款保證。

## 最新的 ARDMS RDCS AE-Adult-Echocardiography 免費考試真題 (Q88-Q93):

### 問題 #88

Which of the following does this Image represent?

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- A. Pulmonary vein Doppler
- B. Hepatic vein Doppler
- C. Mitral valve inflow
- D. Tricuspid valve inflow

答案: B

### 解題說明:

Comprehensive and Detailed Explanation From Exact Extract:

The image shows a pulsed-wave Doppler waveform with respiratory phasicity and distinct forward and reversed flow components characteristic of hepatic vein flow patterns. Hepatic vein Doppler typically displays a biphasic waveform with systolic (S) and diastolic (D) forward flow toward the heart and brief reversed flow during atrial contraction (A wave reversal), reflecting right atrial pressure changes.

Mitral and tricuspid inflow Doppler patterns show distinct E and A waves representing early and late diastolic ventricular filling but do not have the same flow reversal pattern. Pulmonary vein Doppler waveforms also differ, showing systolic and diastolic forward flows into the left atrium without the prominent reversed flow seen here.

The hepatic vein Doppler is commonly used in echocardiography to assess right atrial pressure and compliance, especially in conditions like constrictive pericarditis and right heart failure, where characteristic flow reversals and expiratory changes are observed.

This pattern and its clinical significance are detailed in adult echocardiography references, including the "Textbook of Clinical Echocardiography" and ASE guidelines on Doppler imaging#16:Hepatic Vein DopplerTextbook of Clinical Echocardiography, 6e##12:ASE Doppler Guidelinesp.95-100#.

### 問題 #89

Which pathology is consistent with the left ventricular strain pattern shown in this image?

- A. Apical hypertrophy
- B. Non-ischemic cardiomyopathy
- C. Amyloidosis
- D. Right coronary artery infarct

答案: C

### 解題說明:

The strain imaging shown is a classic example of the "apical sparing" pattern, highly characteristic of cardiac amyloidosis. In cardiac amyloidosis, the basal and mid segments of the left ventricle show markedly reduced longitudinal strain (represented here by more positive or less negative strain values), while the apical segments retain relatively preserved strain (more negative strain values). This "cherry on top" or "bull's eye" pattern with apical strain preserved distinguishes amyloidosis from other causes of LV dysfunction. This pattern is not typical of apical hypertrophy, which would show focal thickening and abnormal strain limited to the apex. Non-ischemic cardiomyopathy generally has a more diffuse and uniform reduction in strain without the apical sparing. Right coronary artery infarcts affect the inferior and posterior walls and would have segmental strain abnormalities corresponding to the infarct distribution, not the typical apical sparing.

The left ventricular global longitudinal strain (GLS) in amyloidosis is typically severely reduced, but the relative preservation of apical strain is a hallmark useful for diagnosis, as described in the "Textbook of Clinical Echocardiography, 6e" (Chapter on strain imaging and infiltrative cardiomyopathies).

### 問題 #90

Which abnormality is associated with Marfan syndrome?

- A. Coarctation of the aorta
- B. Aortic annular dilatation
- C. Parachute mitral valve
- D. Cleft mitral valve

答案: B

### 解題說明:

Marfan syndrome is a connective tissue disorder characterized by abnormalities in the fibrillin-1 gene, leading to cardiovascular manifestations including aortic root and annular dilatation. Aortic annular dilatation predisposes to aortic valve insufficiency (regurgitation) and aortic aneurysm formation.

Coarctation of the aorta is more commonly associated with Turner syndrome. Parachute mitral valve and cleft mitral valve are congenital abnormalities linked to other syndromes or defects but not typical in Marfan syndrome.

This association is described in the "Textbook of Clinical Echocardiography, 6e", Chapter on Genetic Syndromes and Cardiovascular Manifestations#20:120-125Textbook of Clinical Echocardiography#.

### 問題 #91

Which patient body positioning and respiration technique is optimal for obtaining the subcostal view?

- A. Supine; legs extended and breath exhaled
- **B. Supine; knees bent and breath inhaled**
- C. Left lateral decubitus; legs extended and normal breathing
- D. Left lateral decubitus; knees bent and shallow breathing

答案： B

解題說明：

The subcostal echocardiographic view is best obtained with the patient supine, knees bent to relax abdominal muscles, and the patient holding a deep breath at the end of inhalation to lower the diaphragm and improve acoustic window through the subxiphoid area.

Left lateral decubitus position is used for parasternal and apical views but is not optimal for subcostal imaging.

This patient positioning and respiration technique are described in the "Textbook of Clinical Echocardiography, 6e", Chapter on Echocardiographic Windows and Imaging Techniques#20:90-95Textbook of Clinical Echocardiography#.

### 問題 #92

Where would a Swan-Ganz catheter be best visualized?

- A. Pulmonary veins
- **B. Right ventricular outflow tract**
- C. Descending aorta
- D. Left ventricular outflow tract

答案： B

解題說明：

Comprehensive and Detailed Explanation From Exact Extract:

A Swan-Ganz catheter (pulmonary artery catheter) is inserted via the venous system into the right atrium, right ventricle, and then into the pulmonary artery. The catheter passes through the right ventricular outflow tract (RVOT) before entering the pulmonary artery.

Therefore, echocardiographic visualization of the Swan-Ganz catheter is best achieved in the right ventricular outflow tract or main pulmonary artery, often seen as an echogenic linear structure.

It would not be found in the left ventricular outflow tract (aortic valve region), pulmonary veins, or descending aorta as these are on the left heart or arterial side and not part of the catheter's path.

This is a well-known anatomical fact described in echocardiography procedural references and clinical guidelines on invasive hemodynamic monitoring#16:Textbook of Clinical Echocardiography, 6ep.310-315# #12:ASE Invasive Monitoring Guidelinesp.450-455#.

### 問題 #93

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通過AE-Adult-Echocardiography認證考試好像是一件很難的事情。已經報名參加考試的你，現在正在煩惱應該怎麼準備考試嗎？如果是這樣的話，請看下面的內容，我現在告訴你通過AE-Adult-Echocardiography考試的捷徑。可以讓你一次就通過考試的優秀的AE-Adult-Echocardiography考試資料出現了。它就是KaoGuTi的AE-Adult-Echocardiography考古題。如果你想輕鬆通過考試，那麼快來試試吧。

**AE-Adult-Echocardiography真題** : [https://www.kaoguti.com/AE-Adult-Echocardiography\\_exam-pdf.html](https://www.kaoguti.com/AE-Adult-Echocardiography_exam-pdf.html)

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- AE-Adult-Echocardiography認證考試  AE-Adult-Echocardiography最新考題  AE-Adult-Echocardiography熱門題庫  打開網站 [www.newdumps.pdf.com](http://www.newdumps.pdf.com)  搜索  AE-Adult-Echocardiography  免費下載最新AE-Adult-Echocardiography試題
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