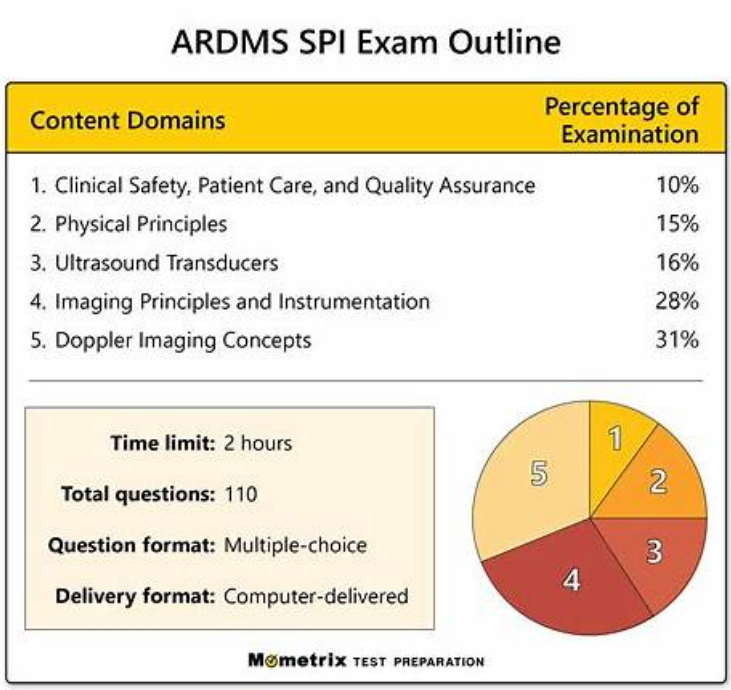
ARDMS SPI權威認證，SPI熱門考題



從Google Drive中免費下載最新的KaoGuTi SPI PDF版考試題庫：https://drive.google.com/open?id=1b_wsBeeD4Uk0QAcs4yCYy5YmXt5kpObr

我們正在盡最大努力為我們的廣大考生提供所有具備較高的速度和效率的服務，以節省你的寶貴時間，KaoGuTi ARDMS的SPI考試為你提供了大量的考試指南，包括考古題及答案，有些網站在互聯網為你提供的品質和跟上時代SPI學習材料。KaoGuTi是唯一的網站，為你提供優質的ARDMS的SPI考試培訓資料，隨著KaoGuTi的學習資料和指導ARDMS的SPI認證考試的幫助下，你可以第一次嘗試通過ARDMS的SPI考試。

你是IT人士嗎？你想成功嗎？如果你想成功你就購買我們KaoGuTi ARDMS的SPI考試認證培訓資料吧，我們的培訓資料是通過實踐檢驗了的，它可以幫助你順利通過IT認證，有了KaoGuTi ARDMS的SPI考試認證培訓資料你在IT行業的將有更好的發展，可以享受高級白領的待遇，可以在國際上闖出一片天地，擁有高端的技術水準，你還在擔心什麼，KaoGuTi ARDMS的SPI考試認證培訓資料將會滿足你這一欲望，我們與你同甘共苦，一起接受這挑戰。

>> ARDMS SPI權威認證 <<

SPI認證考古試題及參考答案

你對自己現在的工作滿意嗎？對自己正在做的事情滿意嗎？想不想提升自己的水準呢？多掌握一些對工作有用的技能吧。那麼，在IT領域工作的你，當然是應該選擇參加IT認定考試獲得認證資格了。因為這樣可以更好地提升你自己。而且，最重要的是，你也可以向別人證明你掌握了更多的工作技能。那麼，快來參加ARDMS的SPI考試吧。這個考試可以幫助你實現你自己的願望。對通過這個考試沒有信心也沒關係。因為你可以來KaoGuTi找到你想要的幫手和準備考試的工具。KaoGuTi的考考试资料一定能帮助你获得SPI考试的认证资格。

最新的 ARDMS SPI SPI 免費考試真題 (Q171-Q176):

問題 #171
Based on the table in this image, what is the sensitivity?

- A. 45/48
- B. 45/46
- C. 32/33
- D. 32/35

答案：D

解題說明：
Comprehensive and Detailed Explanation From Exact Extract:
Sensitivity measures the test's ability to correctly identify true positives. It is calculated using the formula:
Sensitivity = True Positives / (True Positives + False Negatives)
From the table:
True Positives (TP) = 32 (Noninvasive test positive & Gold Standard positive) False Negatives (FN) = 3 (Noninvasive test negative but Gold Standard positive) Thus:
Sensitivity = 32 / (32 + 3)
Sensitivity = 32 / 35
According to sonography instrumentation reference:
"Sensitivity represents the proportion of actual positive cases correctly identified by the test." Therefore, the correct answer is B: 32/35.

問題 #172
Which situation occurs when the incident angle of a sound beam is adjusted to be perpendicular to a soft tissue interface?

- A. Reflection
- B. Refraction
- C. Range ambiguity
- D. Cavitation

答案：A

解題說明：
Comprehensive and Detailed Explanation From Exact Extract:
Reflection is maximized when the ultrasound beam strikes a tissue interface at 90 degrees (perpendicular).
This angle provides optimal return of echoes for imaging.
According to sonography instrumentation reference:
"Maximal reflection occurs when the sound beam strikes a boundary at 90 degrees." Therefore, the correct answer is D: Reflection.
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問題 #173
What is the primary reason to use compression?

- A. Adjust the contrast resolution
- B. Improve the axial resolution
- C. Reduce the focal region
- D. Increase line density

答案：A

解題說明：
* Compression in ultrasound imaging adjusts the range of grayscale displayed, affecting the contrast resolution.
* This function allows sonographers to enhance the differentiation between structures of varying echogenicities.
* By modifying the contrast resolution, sonographers can better visualize subtle differences in tissue composition and improve the diagnostic quality of the images.
* Increasing contrast resolution is particularly important in differentiating between fluid-filled cysts and solid masses.References:
* ARDMS Sonography Principles and Instrumentation guidelines on image processing and contrast resolution.

問題 #174
What is the effect of an increased aperture in a linear array transducer?

- A. Shorter near-field length
- B. Improved axial resolution
- C. Deeper focus
- D. Decreased temporal resolution

答案：C

解題說明：
The aperture of a transducer is the active area that emits and receives the ultrasound waves. In a linear array transducer, increasing the aperture (using more elements for transmission and reception) results in a deeper focus because the beam is more tightly focused over a longer distance. This improves lateral resolution at greater depths, as the ultrasound beam maintains a narrower width for a longer distance. It allows for better imaging of deeper structures without sacrificing resolution.
Reference:
American Registry for Diagnostic Medical Sonography (ARDMS). Sonography Principles and Instrumentation (SPI) Examination Review Guide.

問題 #175
What causes color flash artifact?

- A. High velocity blood flow
- B. Strong reflector
- C. Aliasing
- D. Tissue motion

答案：D

解題說明：
Color flash artifact occurs due to tissue motion. This artifact is a type of color Doppler artifact that happens when there is movement of tissue or transducer, which causes the Doppler system to incorrectly interpret the motion as blood flow. This results in a flash of color appearing on the image where there is actually no flow. Tissue motion affects the Doppler signal, leading to misinterpretation by the system, and hence the artifact appears as a flash of color.
Reference:
ARDMS Sonography Principles and Instrumentation (SPI) Exam Study Guide
"Diagnostic Ultrasound: Principles and Instruments" by Frederick W. Kremkau

問題 #176
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