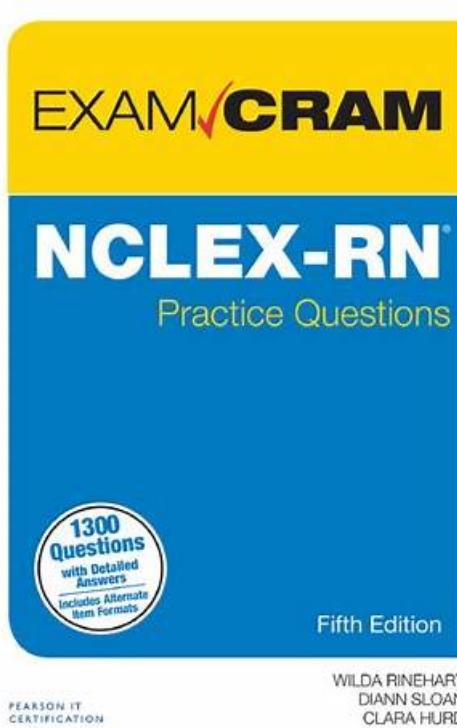


# Exam Cram AB-Abdomen Pdf - AB-Abdomen Reliable Dumps Ebook



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The ARDMS AB-Abdomen certification exam also enables you to stay updated and competitive in the market which will help you to gain more career opportunities. Do you want to gain all these AB-Abdomen certification exam benefits? Looking for the quick and complete Abdomen Sonography Examination (AB-Abdomen) exam dumps preparation way that enables you to pass the Abdomen Sonography Examination in AB-Abdomen certification exam with good scores?

## ARDMS AB-Abdomen Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>Pathology, Vascular Abnormalities, Trauma, and Postoperative Anatomy: This section of the exam evaluates the abilities of diagnostic medical sonographers and covers the detection and analysis of diseases, vascular issues, trauma-related damage, and surgical alterations in abdominal anatomy. Candidates are expected to identify abnormal growths, inflammations, obstructions, or vascular irregularities that may affect abdominal organs. They must also recognize post-surgical changes and assess healing or complications through imaging. The emphasis is on correlating pathological findings with clinical data to produce precise diagnostic reports that guide further medical management.</li></ul>
Topic 2	<ul style="list-style-type: none"><li>Clinical Care, Practice, and Quality Assurance: This section of the exam tests the competencies of clinical ultrasound specialists and focuses on integrating patient care standards, clinical data, and procedural accuracy in abdominal imaging. It assesses the candidate's ability to follow established medical guidelines, ensure correct measurements, and provide assistance during interventional or diagnostic procedures. Additionally, this domain emphasizes maintaining high-quality imaging practices and ensuring patient safety. Effective communication, adherence to protocols, and continuous quality improvement are key aspects of this section.</li></ul>

Topic 3	<ul style="list-style-type: none"> <li>• Anatomy, Perfusion, and Function: This section of the exam measures the skills of abdominal sonographers and focuses on evaluating the physical characteristics, blood flow, and overall function of abdominal structures. Candidates must understand how to assess organs such as the liver, kidneys, pancreas, and spleen for size, shape, and movement. It also involves analyzing perfusion to determine how effectively blood circulates through these organs. The goal is to ensure accurate interpretation of both normal and abnormal functions within the abdominal cavity using sonographic imaging.</li> </ul>
Topic 4	<ul style="list-style-type: none"> <li>• Abdominal Physics: This section of the exam measures the knowledge of ultrasound technicians in applying imaging physics principles to abdominal sonography. It includes understanding how to optimize ultrasound equipment settings for the best image quality and how to identify and correct imaging artifacts that can distort interpretation. Candidates should demonstrate technical proficiency in handling transducers, adjusting frequency, and managing depth and gain to obtain clear, diagnostic-quality images while minimizing errors caused by acoustic artifacts.</li> </ul>

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## AB-Abdomen Reliable Dumps Ebook - AB-Abdomen New Dumps Files

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## ARDMS Abdomen Sonography Examination Sample Questions (Q29-Q34):

### NEW QUESTION # 29

In which segment is the solid mass located in this transverse image of the liver?



- A. Left lateral

- B. Right anterior
- **C. Right posterior**
- D. Left medial

**Answer: C**

Explanation:

The transverse ultrasound image of the liver shows a solid, hypoechoic mass located in the posterior aspect of the right lobe of the liver. In this view:

- \* The anterior aspect of the liver is at the top of the image (near the transducer).
- \* The posterior aspect is at the bottom (deeper).
- \* The right lobe occupies the majority of the screen on transverse imaging when the probe is placed in the epigastrium or right upper quadrant.

Anatomically, the right lobe of the liver is divided into anterior and posterior segments by the right hepatic vein in the coronal plane. In transverse imaging:

- \* The right anterior segment lies closer to the anterior abdominal wall.
- \* The right posterior segment lies deeper (posteriorly).

Given that the mass is seen deep within the liver on the right side of the image, it is best localized to the right posterior segment (Segment VI or VII depending on the exact craniocaudal level).

Comparison of answer choices:

- \* A. Left lateral is located far to the left of the image and typically appears higher and more anterior on transverse scans.
- \* B. Left medial lies near the midline and would appear adjacent to the ligamentum teres or falciform ligament.
- \* C. Right anterior lies closer to the transducer (top of the image), not posteriorly.
- \* D. Right posterior - Correct. This is the segment shown deep in the right lobe of the liver.

References:

Couinaud C. Liver anatomy: portal (and hepatic) segmentation. Trans Assoc Am Physicians. 1957.  
Rumack CM, Wilson SR, Charboneau JW, Levine D. Diagnostic Ultrasound, 5th ed. Elsevier; 2017.  
Hagen-Ansert SL. Textbook of Diagnostic Sonography, 8th ed. Elsevier; 2017.

**NEW QUESTION # 30**

Which structure is most likely shown in this image of the right lower quadrant?



- A. Fallopian tube
- B. Jejunum
- C. Ureter

- D. Appendix

**Answer: D**

Explanation:

The ultrasound image shows a blind-ending, non-compressible, tubular structure in the right lower quadrant with a target or bullseye appearance in transverse section - highly suggestive of the appendix.

Sonographic features of the appendix (especially in suspected appendicitis):

- \* Blind-ending tubular structure arising from the cecum
- \* Non-compressible on graded compression
- \* Diameter >6 mm is suggestive of appendicitis
- \* May demonstrate a "target sign" in transverse view (concentric ring-like appearance)
- \* Increased echogenicity of surrounding fat in cases of inflammation
- \* May contain an appendicolith or show hyperemia on color Doppler if inflamed. The location (right lower quadrant) and appearance in this case are classic for the normal or potentially inflamed appendix.

Differentiation from other options:

- \* A. Fallopian tube: Located more in the adnexal regions and usually not visible unless distended (e.g., hydrosalpinx).
- \* B. Ureter: Usually not visualized on ultrasound unless dilated due to obstruction.
- \* D. Jejunum: Has valvulae conniventes ("keyboard sign") and peristalsis; does not present with a blind- ending tubular appearance from the cecum.

References:

Rumack CM, Wilson SR, Charboneau JW, Levine D. Diagnostic Ultrasound. 5th Edition. Elsevier, 2018.

Chapter: Gastrointestinal Tract, pp. 460-468.

American College of Radiology (ACR). ACR Appropriateness Criteria - Right Lower Quadrant Pain - Suspected Appendicitis.

AIUM Practice Parameter for the Performance of a Pediatric Abdominal and/or Retroperitoneal Ultrasound Examination, 2020.

**NEW QUESTION # 31**

Which vessel lies anterior to the uncinate process?

- A. Left renal vein
- B. Inferior vena cava
- C. Portal vein
- D. Superior mesenteric vein

**Answer: D**

Explanation:

The superior mesenteric vein (SMV) lies directly anterior to the uncinate process of the pancreas. The uncinate process wraps around the posterior aspect of the SMV and SMA. The portal vein and IVC lie more posteriorly in relation to the pancreatic head. According to Moore's Clinically Oriented Anatomy:

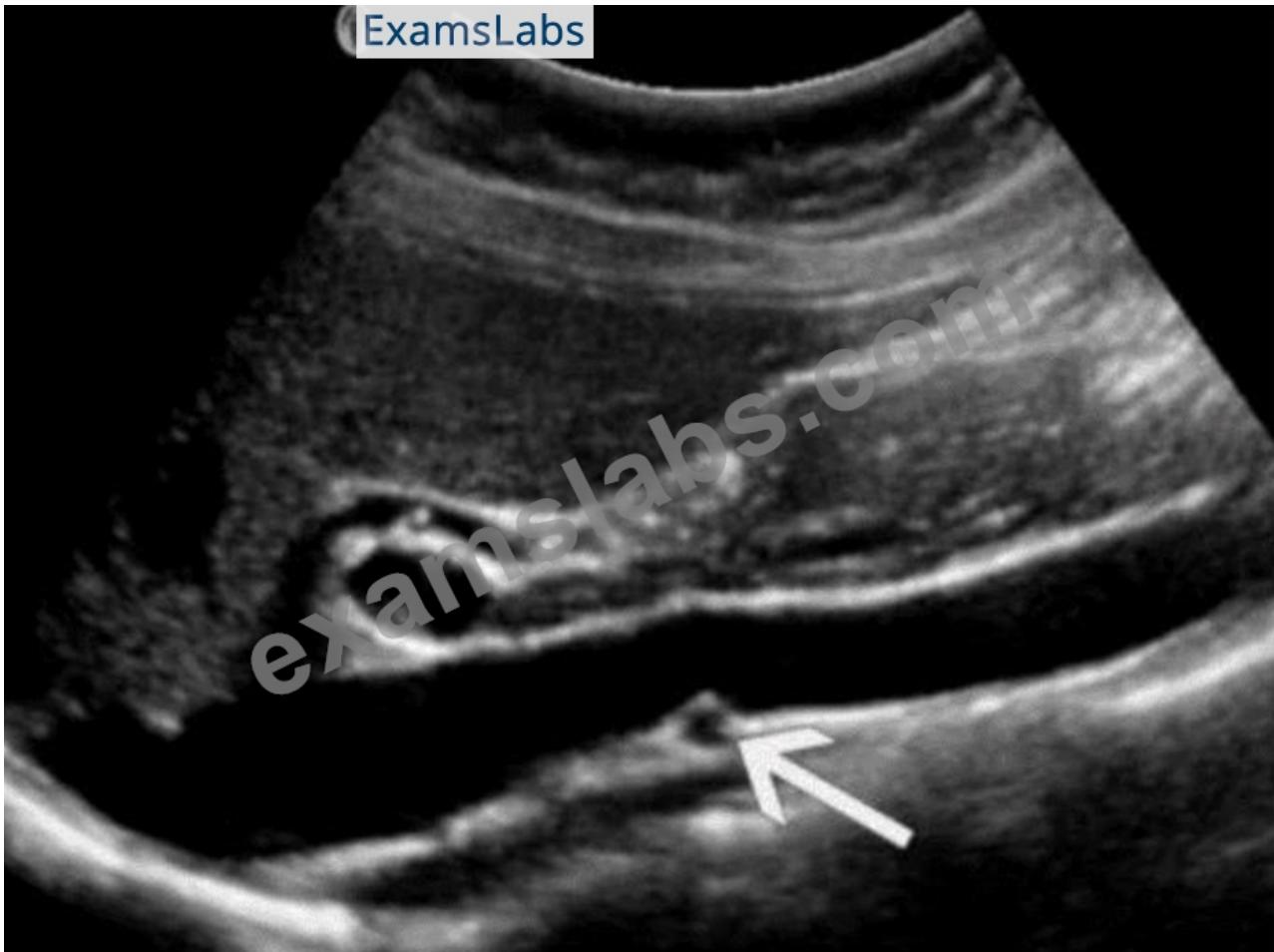
"The superior mesenteric vein crosses anterior to the uncinate process of the pancreas." Reference:

Moore KL, Dalley AF, Agur AMR. Clinically Oriented Anatomy. 8th ed. Wolters Kluwer, 2018.

Gray's Anatomy for Students, 4th ed., Elsevier, 2019.

**NEW QUESTION # 32**

Which vessel is indicated by the arrow on this image?



- A. Right renal artery
- B. Proper hepatic artery
- C. Left renal vein
- D. Superior mesenteric artery

**Answer: D**

**Explanation:**

The ultrasound image demonstrates a transverse view of the abdominal vasculature, where the arrow is pointing to a circular vascular structure anterior to the aorta and posterior to the body of the pancreas - consistent with the superior mesenteric artery (SMA). The SMA originates from the anterior aspect of the abdominal aorta just below the level of the celiac trunk and courses anterior to the left renal vein and uncinate process of the pancreas. On transverse ultrasound, it is often seen in cross-section as a round, pulsatile structure with echogenic walls, situated just anterior to the aorta. This appearance is known as the "target sign" or "bull's-eye" appearance.

**Vessel Position Landmarks (transverse plane):**

- \* Aorta: Posterior and central
- \* SMA: Just anterior to the aorta
- \* Left renal vein: Passes between the aorta and SMA (nutcracker location)
- \* Right renal artery: Courses posterior to the IVC toward the right kidney Differentiation from other options:
  - \* A. Proper hepatic artery: Typically visualized within the liver hilum (portal triad), not in this anatomic location.
  - \* C. Left renal vein: Seen in transverse as a longer, oval structure crossing anterior to the aorta and posterior to the SMA.
  - \* D. Right renal artery: Arises laterally from the aorta and courses posterior to the IVC - not visualized in this axial midline location.

**References:**

Rumack CM, Wilson SR, Charboneau JW, Levine D. Diagnostic Ultrasound. 5th Edition. Elsevier, 2018.

Chapter: Vascular Anatomy and Abdominal Vessels, pp. 471-475.

American Institute of Ultrasound in Medicine (AIUM) Practice Parameter for the Performance of an Ultrasound Examination of the Abdomen and/or Retroperitoneum, 2020.

Radiopaedia.org. Superior mesenteric artery: <https://radiopaedia.org/articles/superior-mesenteric-artery>

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### NEW QUESTION # 33

Which term best describes the common bile duct measured in this image of a postcholecystectomy patient?



- A. Dilated
- B. Normal
- C. Atretic
- D. Inflamed

**Answer: B**

Explanation:

The ultrasound image shows a measured common bile duct (CBD) diameter of 7.9 mm in a postcholecystectomy patient. In patients who have undergone cholecystectomy, mild dilation of the CBD is considered normal and is a well-recognized post-surgical change. Normal upper limits for CBD diameter:

- \* In patients with a gallbladder: #6 mm is generally considered normal.
- \* In postcholecystectomy patients: up to 10 mm is considered within normal limits, as the CBD compensates for the absence of the gallbladder and slightly enlarges over time.
- \* With aging, the CBD may enlarge by approximately 1 mm per decade after age 60.

Therefore, a CBD diameter of 7.9 mm in a patient without a gallbladder is considered normal.

Differentiation from other options:

- \* B. Dilated: This would typically refer to a CBD diameter >10 mm in postcholecystectomy patients, or >6 mm in patients with an intact gallbladder.
- \* C. Inflamed: Inflammation refers to wall thickening or hyperemia, which is not evaluated simply by measuring diameter.
- \* D. Atretic: Describes a congenitally absent or severely narrowed duct - not applicable here.

References:

Rumack CM, Wilson SR, Charboneau JW, Levine D. Diagnostic Ultrasound. 5th Edition. Elsevier, 2018.

Chapter: Biliary System, pp. 143-146.

American Institute of Ultrasound in Medicine (AIUM) Practice Parameter for the Performance of a Hepatobiliary Ultrasound Examination, 2020.

Radiopaedia.org. Common bile duct: <https://radiopaedia.org/articles/common-bile-duct>

### NEW QUESTION # 34

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