

CERTIFIED RADIOLOGY NURSE PRACTICE EXAM (SAMPLE)

STUDY GUIDE



**SAMPLE STUDY GUIDE
WITH LIMITED QUESTIONS**

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THE FULL VERSION STUDY GUIDE**

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Table of Contents

Copyright	1
Table of Contents	2
Introduction	3
How to Use This Guide	4
Questions	5
Answers	8
Explanations	10
Next Steps	16

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Introduction

Preparing for a certification exam can feel overwhelming, but with the right tools, it becomes an opportunity to build confidence, sharpen your skills, and move one step closer to your goals. At Examzify, we believe that effective exam preparation isn't just about memorization, it's about understanding the material, identifying knowledge gaps, and building the test-taking strategies that lead to success.

This guide was designed to help you do exactly that.

Whether you're preparing for a licensing exam, professional certification, or entry-level qualification, this book offers structured practice to reinforce key concepts. You'll find a wide range of multiple-choice questions, each followed by clear explanations to help you understand not just the right answer, but why it's correct.

The content in this guide is based on real-world exam objectives and aligned with the types of questions and topics commonly found on official tests. It's ideal for learners who want to:

- Practice answering questions under realistic conditions,
- Improve accuracy and speed,
- Review explanations to strengthen weak areas, and
- Approach the exam with greater confidence.

We recommend using this book not as a stand-alone study tool, but alongside other resources like flashcards, textbooks, or hands-on training. For best results, we recommend working through each question, reflecting on the explanation provided, and revisiting the topics that challenge you most.

Remember: successful test preparation isn't about getting every question right the first time, it's about learning from your mistakes and improving over time. Stay focused, trust the process, and know that every page you turn brings you closer to success.

Let's begin.

How to Use This Guide

This guide is designed to help you study more effectively and approach your exam with confidence. Whether you're reviewing for the first time or doing a final refresh, here's how to get the most out of your Examzify study guide:

1. Start with a Diagnostic Review

Skim through the questions to get a sense of what you know and what you need to focus on. Your goal is to identify knowledge gaps early.

2. Study in Short, Focused Sessions

Break your study time into manageable blocks (e.g. 30 – 45 minutes). Review a handful of questions, reflect on the explanations.

3. Learn from the Explanations

After answering a question, always read the explanation, even if you got it right. It reinforces key points, corrects misunderstandings, and teaches subtle distinctions between similar answers.

4. Track Your Progress

Use bookmarks or notes (if reading digitally) to mark difficult questions. Revisit these regularly and track improvements over time.

5. Simulate the Real Exam

Once you're comfortable, try taking a full set of questions without pausing. Set a timer and simulate test-day conditions to build confidence and time management skills.

6. Repeat and Review

Don't just study once, repetition builds retention. Re-attempt questions after a few days and revisit explanations to reinforce learning. Pair this guide with other Examzify tools like flashcards, and digital practice tests to strengthen your preparation across formats.

There's no single right way to study, but consistent, thoughtful effort always wins. Use this guide flexibly, adapt the tips above to fit your pace and learning style. You've got this!

Questions

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- 1. What is the primary responsibility of the radiology nurse during sedation?**
 - A. To obtain informed consent for the procedure
 - B. To prepare the patient for discharge
 - C. To monitor the patient's level of consciousness and vital signs
 - D. To administer the contrast agent
- 2. What is the most appropriate action if a patient reports feeling warm after receiving contrast?**
 - A. Immediately administer medication
 - B. Monitor the patient while assessing for any further reactions
 - C. Inform the physician and prepare for emergency procedures
 - D. Apply a cool compress to the injection site
- 3. When educating a patient about their upcoming imaging procedure, which of the following is most important for the nurse to include?**
 - A. Potential risks and complications
 - B. The cost of the procedure
 - C. What the radiologist will do during the imaging
 - D. The color of the contrast agent used
- 4. Which of the following statements about the nurse's role in monitoring sedation cases is true?**
 - A. The nurse should only provide comfort
 - B. The nurse should lead the procedure
 - C. The nurse requires no special training
 - D. The nurse is responsible for direct care of patients
- 5. What precautions are taken for patients who have received high-dose radiation therapy?**
 - A. They require no special care afterwards
 - B. They may require specific care to monitor for side effects and potential radiation exposure to others
 - C. They are immediately isolated from all other patients
 - D. They are monitored solely for allergic reactions

- 6. What is a key advantage of using peripherally inserted central catheters (PICC) over triple-lumen catheters?**
- A. Cost-effectiveness
 - B. Less risk of infection
 - C. Longer dwell time
 - D. Greater luminal patency
- 7. What body mass index value is considered morbidly obese?**
- A. 26.8
 - B. 40.1
 - C. 35.5
 - D. 37.5
- 8. What precaution is taken during a fluoroscopy procedure to protect the patient?**
- A. Administering anesthesia to all patients
 - B. Using protective lead shields
 - C. Performing the procedure quickly
 - D. Reducing the team present in the room
- 9. What is a reason why a nurse might need to prevent cerebral vasospasm during a radiology procedure?**
- A. To ensure quicker recovery
 - B. To decrease the risk of infection
 - C. To maintain sufficient blood flow and prevent complications
 - D. To avoid additional imaging procedures
- 10. What psychological support might a radiology nurse provide in an imaging setting?**
- A. Discussing treatment options
 - B. Comforting anxious patients and addressing their fears about procedures
 - C. Managing patient schedules
 - D. Providing educational materials

Answers

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1. C
2. B
3. A
4. D
5. B
6. B
7. B
8. B
9. C
10. B

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Explanations

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1. What is the primary responsibility of the radiology nurse during sedation?

- A. To obtain informed consent for the procedure
- B. To prepare the patient for discharge
- C. To monitor the patient's level of consciousness and vital signs**
- D. To administer the contrast agent

The primary responsibility of the radiology nurse during sedation is to monitor the patient's level of consciousness and vital signs. This is crucial because sedation can significantly affect the patient's respiratory and cardiovascular systems, as well as their overall alertness. Continuous monitoring ensures that any adverse reactions or changes in the patient's condition are identified promptly, allowing for quick interventions if necessary. Monitoring vital signs helps to assess the patient's physiological responses to the sedative agents used, while evaluating level of consciousness is essential to ensure that the patient remains within a safe range of sedation. This proactive approach not only enhances patient safety but also helps to ensure a smooth and effective procedural experience. Other tasks, such as obtaining informed consent, preparing the patient for discharge, or administering a contrast agent, are important; however, they do not encompass the immediate and ongoing responsibilities that a radiology nurse has during the sedation process itself. The focus during that time is primarily on patient safety and monitoring.

2. What is the most appropriate action if a patient reports feeling warm after receiving contrast?

- A. Immediately administer medication
- B. Monitor the patient while assessing for any further reactions**
- C. Inform the physician and prepare for emergency procedures
- D. Apply a cool compress to the injection site

Monitoring the patient while assessing for any further reactions is the most appropriate action when a patient reports feeling warm after receiving contrast. This response recognizes that a sensation of warmth can be a common and benign reaction to contrast media, often occurring without any serious underlying issue. By closely monitoring the patient, the healthcare professional can observe for developments such as the onset of symptoms like rash, difficulty breathing, or swelling, which may indicate an allergic reaction or other complications requiring intervention. Continuing to evaluate the patient helps ensure that any changes in their condition are quickly identified. A proactive approach of monitoring rather than immediate intervention allows for a more measured response based on the patient's evolving clinical picture, which is essential in radiology settings where reactions to contrast agents can vary widely among individuals. The other options imply a more urgent or prescriptive action than what is necessary in this scenario. Immediate medication administration may not be warranted without further assessment, and preparing for emergency procedures can lead to unnecessary alarm. Similarly, applying a cool compress, while potentially soothing, does not directly address the need for active monitoring of the patient's overall response.

3. When educating a patient about their upcoming imaging procedure, which of the following is most important for the nurse to include?

A. Potential risks and complications

B. The cost of the procedure

C. What the radiologist will do during the imaging

D. The color of the contrast agent used

Including potential risks and complications when educating a patient about their upcoming imaging procedure is crucial for several reasons. Patients have the right to understand any risks associated with the procedure so they can make informed decisions regarding their healthcare. Discussing potential complications ensures that patients are aware of what to expect and can help them prepare mentally and emotionally for the imaging process. It also fosters trust in the nurse-patient relationship, as patients appreciate transparency and the opportunity to ask questions about any concerns they may have. Highlighting risks also aligns with patient safety practices. Understanding these aspects allows patients to recognize warning signs or symptoms they should report if they occur after the procedure. Overall, this knowledge empowers patients, helping them to engage actively in their care, reduce anxiety, and adhere to pre-procedure instructions effectively.

4. Which of the following statements about the nurse's role in monitoring sedation cases is true?

A. The nurse should only provide comfort

B. The nurse should lead the procedure

C. The nurse requires no special training

D. The nurse is responsible for direct care of patients

The role of the nurse in monitoring sedation cases encompasses a broad range of responsibilities, with direct patient care being a central element. In this context, the statement that the nurse is responsible for direct care of patients is accurate because nurses play a crucial part in ensuring patient safety and comfort during sedation procedures. This includes monitoring vital signs, managing airway patency, observing for adverse reactions, and administering necessary medications as prescribed. Nurses are trained to recognize signs of over-sedation or under-sedation and to take appropriate action, which underscores the importance of their involvement in patient care during sedation. Their role extends beyond merely observing or providing comfort; they must actively assess the patient's condition and respond to any concerns, ensuring the patient's well-being throughout the process. This comprehensive approach to patient care during sedation emphasizes the necessity for specialized training and knowledge, as the nurse's ability to recognize and respond to potential complications can significantly impact patient outcomes.

5. What precautions are taken for patients who have received high-dose radiation therapy?

- A. They require no special care afterwards
- B. They may require specific care to monitor for side effects and potential radiation exposure to others**
- C. They are immediately isolated from all other patients
- D. They are monitored solely for allergic reactions

Patients who have received high-dose radiation therapy often face a range of potential side effects due to the nature of the treatment and the amount of radiation exposure involved. This is particularly relevant because high doses of radiation can lead to both immediate and delayed reactions in the patient's body, affecting various organs and systems. Monitoring these patients is crucial to address any side effects that may arise, such as skin reactions, fatigue, or even acute radiation syndrome depending on the dose and area treated. In addition, there's a need to consider the safety of others who may come into contact with the patient, especially if the therapy involves certain types of radioactive isotopes or treatments that can emit radiation for a period of time afterward. Therefore, specific care protocols are implemented to ensure the patient's well-being and to minimize any risk of radiation exposure to family members, caregivers, and staff. These precautions might include providing instructions on limiting contact with others, using protective equipment if necessary, and scheduling appropriate follow-up evaluations to manage any complications arising from the treatment. This approach emphasizes the need for tailored care in high-dose radiation cases, ensuring both the patient's health and safety measures for those around them.

6. What is a key advantage of using peripherally inserted central catheters (PICC) over triple-lumen catheters?

- A. Cost-effectiveness
- B. Less risk of infection**
- C. Longer dwell time
- D. Greater luminal patency

The key advantage of using peripherally inserted central catheters (PICC) over triple-lumen catheters is the less risk of infection associated with their use. PICCs can be inserted peripherally, typically in the arm, and advanced to the central venous system, allowing for less invasive placement compared to triple-lumen catheters, which often require insertion via larger, more central veins and can introduce higher risks associated with those procedures. The design of PICCs allows for a sterile technique that is easier to maintain in outpatient or long-term care settings, where the likelihood of exposure to pathogens can increase. Because PICCs are generally placed in a more controlled environment and maintained using stringent protocols, the risk of catheter-related bloodstream infections can be reduced. Understanding this distinction is crucial, as managing infection risks is a vital component of patient safety in healthcare settings. The advantages of PICCs contribute to their preference for patients requiring medium to long-term venous access, particularly in those needing ongoing therapies such as chemotherapy or prolonged antibiotic treatment.

7. What body mass index value is considered morbidly obese?

- A. 26.8
- B. 40.1**
- C. 35.5
- D. 37.5

Morbid obesity is defined by a body mass index (BMI) of 40 or greater. A BMI in this range indicates that an individual is exceedingly overweight, which can lead to significant health risks, including diabetes, heart disease, and other serious weight-related conditions. In this question, a BMI of 40.1 falls into the range classified as morbidly obese, as it exceeds the threshold of 40. Other options, while indicating higher weight categories, do not meet this specific criterion for morbid obesity. Therefore, understanding BMI classifications helps in recognizing the extent of obesity and its potential health implications.

8. What precaution is taken during a fluoroscopy procedure to protect the patient?

- A. Administering anesthesia to all patients
- B. Using protective lead shields**
- C. Performing the procedure quickly
- D. Reducing the team present in the room

Using protective lead shields during a fluoroscopy procedure is essential to safeguard the patient from unnecessary radiation exposure. Fluoroscopy involves the use of X-rays to obtain real-time moving images of the interior of a patient's body. Since this process exposes the patient to ionizing radiation, lead shields act as a barrier, absorbing some of this radiation and thereby minimizing the potential risks associated with such exposure, including radiation burns and an increased risk of cancer over time. The effective use of lead shields can significantly diminish the dose of radiation that reaches sensitive areas of the body, such as reproductive organs and surrounding tissues. This precaution is a critical aspect of radiation safety protocols in medical imaging, ensuring that patient welfare is prioritized while still enabling necessary medical evaluations.

9. What is a reason why a nurse might need to prevent cerebral vasospasm during a radiology procedure?

- A. To ensure quicker recovery
- B. To decrease the risk of infection
- C. To maintain sufficient blood flow and prevent complications**
- D. To avoid additional imaging procedures

Preventing cerebral vasospasm during a radiology procedure is crucial to maintain sufficient blood flow to the brain. Cerebral vasospasm, a condition that can occur after a subarachnoid hemorrhage or other brain injuries, leads to the narrowing of blood vessels, which can compromise blood flow. When this happens, the brain is at risk for ischemia or infarction, which can result in serious neurological deficits and complications. By actively preventing vasospasm, the nurse helps ensure that the brain receives adequate oxygen and nutrients during and after the procedure, minimizing the risk of complications. This is especially important in radiology interventions that may involve manipulation of the intracranial structures or vessels, where maintaining optimal cerebral perfusion is vital for patient safety and recovery. Ensuring that blood flow remains stable can also contribute to a smoother procedural process and better overall outcomes, but the primary focus is on the prevention of potential neurological complications due to insufficient blood supply.

10. What psychological support might a radiology nurse provide in an imaging setting?

- A. Discussing treatment options
- B. Comforting anxious patients and addressing their fears about procedures**
- C. Managing patient schedules
- D. Providing educational materials

In the context of a radiology setting, providing psychological support is crucial for improving patient experience and compliance. Comforting anxious patients and addressing their fears about procedures is a critical aspect of care that a radiology nurse can offer. Many patients may experience anxiety, distress, or fear when faced with imaging procedures, particularly if they are unfamiliar with the process, have a history of trauma, or are concerned about potential outcomes. By actively listening to patients' concerns, offering reassurance, and providing clear, compassionate explanations about what to expect during an imaging procedure, nurses can significantly reduce anxiety levels. This empathetic approach helps to create a more calming environment, which can facilitate better cooperation from the patient and potentially lead to improved imaging outcomes. While discussing treatment options is essential, it often falls within the scope of responsibility for physicians rather than nurses. Managing patient schedules is administrative and focuses more on logistics rather than psychological support. Providing educational materials can be beneficial but is typically more informational than psychological; it lacks the direct emotional support that calming and addressing fears does. Thus, offering psychological support through comfort and reassurance aligns most closely with the role of a radiology nurse in the imaging setting.

Next Steps

Congratulations on reaching the final section of this guide. You've taken a meaningful step toward passing your certification exam and advancing your career.

As you continue preparing, remember that consistent practice, review, and self-reflection are key to success. Make time to revisit difficult topics, simulate exam conditions, and track your progress along the way.

If you need help, have suggestions, or want to share feedback, we'd love to hear from you. Reach out to our team at hello@examzify.com.

Or visit your dedicated course page for more study tools and resources:

<https://certradnurse.examzify.com>

We wish you the very best on your exam journey. You've got this!

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