

Student Survey

Survey on Student Satisfaction with Instructional Session and Self Efficacy

Instructions:

Thank you for participating in this survey. Your responses are being collected as part of a research study to assess effectiveness and student satisfaction with teaching on chest radiograph interpretation. The information you provide will help us improve future sessions and contribute to broader educational research. Your participation is voluntary, and your responses will remain confidential. By completing this survey, you are consenting to the use of your anonymized responses in the research study.

Please indicate your level of agreement with the following statements.

Scale:

- 1 = Strongly Disagree
 - 2 = Disagree
 - 3 = Neutral
 - 4 = Agree
 - 5 = Strongly Agree
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Section I: Student Satisfaction

1. Learning and Content

- The session improved my understanding of chest radiograph interpretation.
- The content of this session met the proposed learning objectives noted below.

Identify quality measures of the chest radiograph.

Recognize normal radiographic anatomy of the chest.

Develop a systematic approach to interpretation of chest radiographs.

Identify expected chest x-ray finding of the following pathologic conditions: pneumonia, cardiomegaly, pleural effusion, pulmonary edema, pneumothorax, chronic obstructive pulmonary disease (COPD).

Compare and contrast the use of and indications for chest imaging modalities to include chest x-ray, CT scan, ultrasound, and nuclear medicine studies.

Identify the gold standard for diagnosing pulmonary embolism.

2. Engagement and Interaction

- I was actively engaged throughout the session.
- The instructional method promoted interaction with my peers/instructor.

3. Clarity and Effectiveness

- The instructor(s) presented the material in a clear and understandable manner.
- The instructional method was effective for teaching chest radiograph interpretation.

4. Overall Satisfaction

- I am satisfied with my overall learning experience in this session.
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Section II: Self-efficacy

Self-efficacy is defined as individuals' beliefs in their capability to execute tasks and achieve goals.

1. Mastery Experiences

- I feel confident that I can accurately identify normal findings on a chest radiograph.
- I am able to recognize common pathological findings on a chest radiograph (e.g., pneumonia, pneumothorax).

2. Vicarious Learning and Feedback

- Observing examples of chest radiograph interpretation improved my confidence in interpreting them myself.
- Watching my peers or instructors interpret chest radiographs has enhanced my understanding.

3. Social Persuasion and Reinforcement

- The instructor's encouragement has increased my confidence in interpreting chest radiographs.
- My peers' constructive feedback on my interpretations helped me feel more confident.
- I believe I can improve further with continued practice and support from instructors.

5. Learning and Knowledge Acquisition

- I have gained new skills and knowledge on chest radiograph interpretation during this session.
- I understand the key principles of chest radiograph interpretation (e.g., reading techniques, pattern recognition) more clearly after today's session.
- The teaching style in this session has enhanced my ability to retain and apply the skills I've learned, and I feel confident I will be able to use them in future clinical practice.

6. What contributed most to your self-efficacy in interpreting chest radiographs?

Free text response