Perspectives of Medical Students and Interns on Radiology Training in Palestine: A Cross-sectional Study

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Background

- Radiology is increasingly vital in modern medicine.
- Adequate radiology training is essential in undergraduate medical education.
- This study aimed to assess the perspectives of Palestinian medical students and interns regarding radiology education and their self-reported confidence in applying radiological skills.

Methods

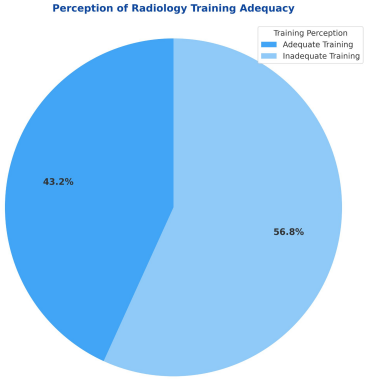
- Survey-based cross-sectional study conducted among 431 medical students and interns from five Palestinian medical faculties.
- A validated online questionnaire was distributed.
- Students rated:
  - Radiology training perception (15-item score).
  - Confidence in applying radiological skills (11-item scale).
- Descriptive and inferential statistical analyses were performed.

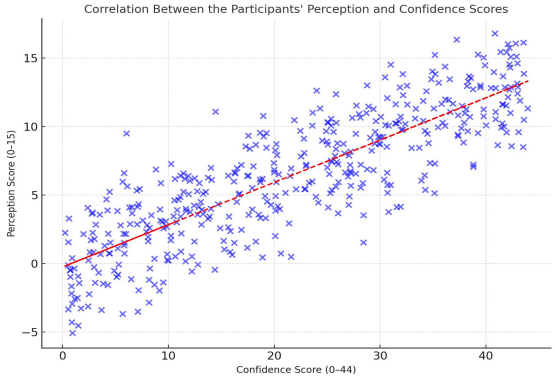
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Results

- Mean radiology perception score: 10.19 ± 2.92 (68% of the total possible score).
- 50.6% of participants had a positive perception of radiology.
- Only 43.2% considered their radiology training adequate.
- Confidence in radiological skills was low 93.5% of participants scored below the adequate confidence threshold.
- Clinical phase students had higher confidence scores than interns ($p = 0.014$).
- Weak positive correlation between perception score and confidence ($r = 0.309$, $p < 0.001$).





Conclusion

- Palestinian medical students and interns recognize the importance of radiology but report inadequate training and low confidence in applying radiological skills.
- Recommendations: 1) Strengthen undergraduate radiology curricula. 2) Enhance mentorship and clinical exposure. 3) Integrate simulation-based learning to improve confidence and competence.