



Royal College
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Network



Validity and Reliability in Medical Education Assessment

Ensuring Accurate and Consistent Evaluation of Future Physicians

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Introduction



- > Assessment is crucial in medical education for evaluating knowledge, skills, and competence.
- > **Valid** and **reliable** assessments are fundamental for tracking student progress and ensuring quality healthcare professionals and impact careers and patient safety.



Definitions



Validity:

Does the assessment measure what it's supposed to?

Reliability:

Are the measurements consistent and stable?



Reliability



- > in assessment simply means how **consistent** and **stable** the results of an assessment are.
- > A reliable assessment will produce similar results if given repeatedly under the same conditions (to the same individuals, with the same difficulty level).



Conclusion



- > Validity and reliability are essential for high-quality assessment in medical education.
- > Require a systematic and ongoing process of design, implementation, and analysis.
- > Contribute to fair, accurate, and meaningful evaluations.
- > Ultimately ensure competent and safe future physicians, benefiting patient care.

