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Immediate vs Delayed Feedback in a Progressive Musculoskeletal E-module Case for Clinical Reasoning Development

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Immediate vs Delayed Feedback in a Progressive Musculoskeletal E-module Case for Clinical Reasoning Development



PRESENTER:
Megan Frazee

BACKGROUND:

Feedback is a critical component for consolidated learning; however, there is no consensus on the best timing of feedback.

METHODS

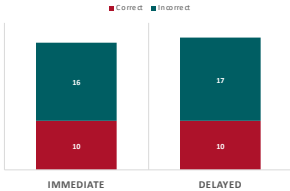
- 53 second-year PT students were randomized to receive immediate or delayed feedback within an e-module designed to facilitate clinical reasoning.
- Performance on the e-module, a subsequent standardized patient simulation, overall course grade, and student satisfaction were all measured.
- Fisher's exact test was used to detect differences between groups.

RESULTS

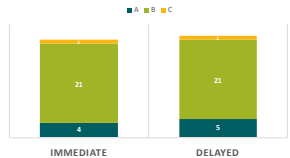
No statistical difference between groups for:

- Correct primary hypothesis, Severity, or Irritability ratings within the e-module or subsequent simulation.
- Overall course grade
- Student Ratings of the E-module

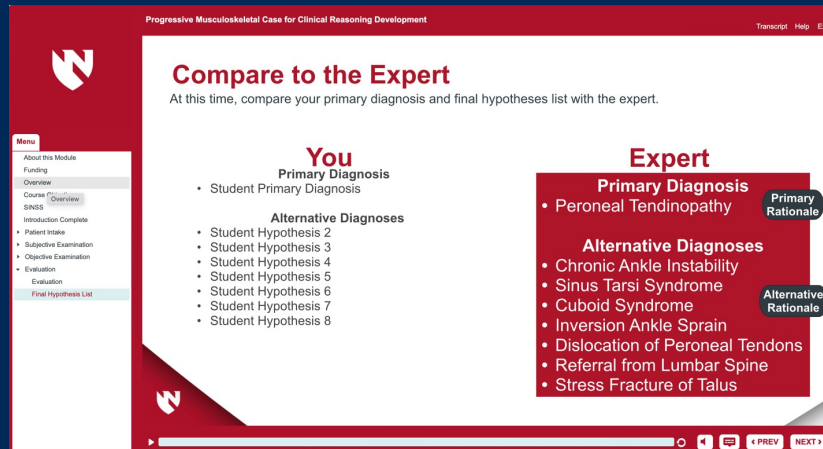
E-MODULE PRIMARY HYPOTHESES



FINAL COURSE GRADE



Timing of e-module feedback had no effect on academic performance or student satisfaction.



Feedback Timing	Immediate Group	Delayed Group
After Intake Form	✓	
After Subjective	✓	
After Objective	✓	✓



Take a picture to download the full abstract with a link to the Immediate Feedback Version of the E-module

STUDENT FEEDBACK:

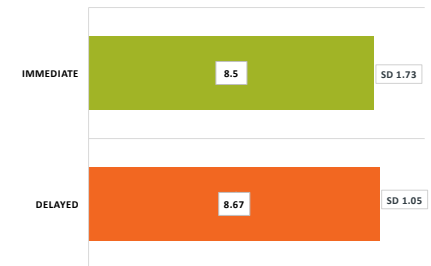
"I liked that it made me think more clinically and apply what I knew. It also made me realize I need to think about more diagnoses rather than focusing on one."

-Student in **Immediate** Feedback group

"It lays out in order of a true appointment, gives opportunity to think through new information and change one's mind."

-Student in **Delayed** Feedback group

STUDENT RATINGS



E-Module Cases for Clinical Reasoning

- Allows testing of knowledge in low stakes environment
- Helps student experience variable feedback
- Enables students to practice clinical reasoning at an individual pace
- Provides a digital medium that may be valuable for clinical education

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