



Enhancing Reproductive Anatomy Education: A Comprehensive Approach Integrating Near-Peer and Reciprocal Peer Tutoring

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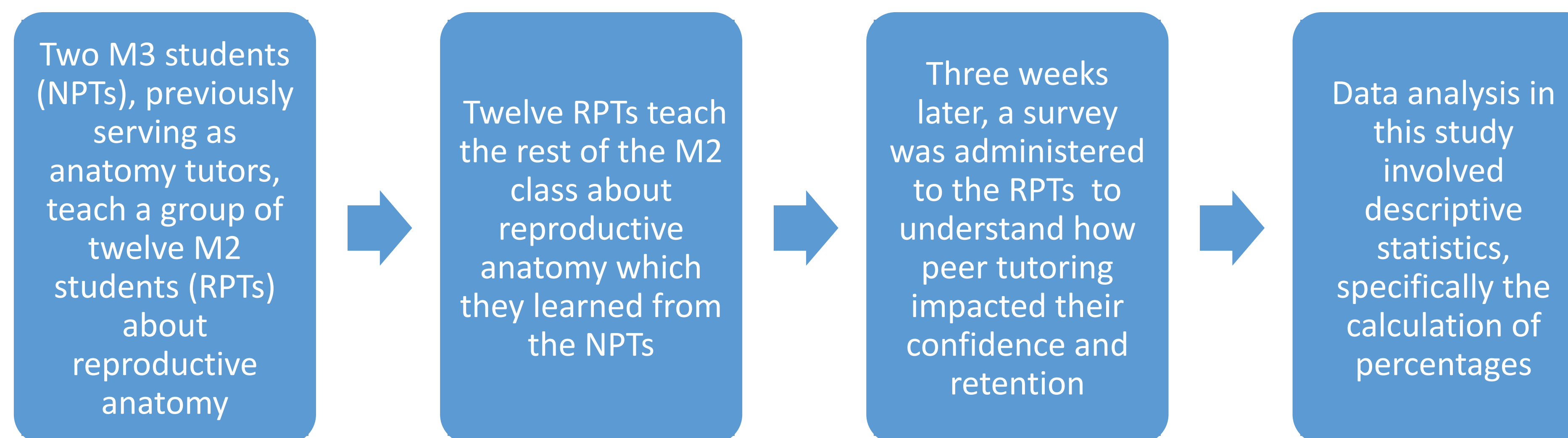
Introduction

- Near-peer tutoring (NPT) is a tutoring method where tutors are more advanced in training compared to tutees¹
- Reciprocal peer tutoring (RPT) is an approach where students of similar training levels alternate between tutor and tutee roles¹
- Both tutees and tutors benefit from peer tutoring programs, as it enhances personal and professional development, improves motivation, and increases confidence^{3,4,5}
- We hypothesize that integrating NPT and RPT within the laboratory setting will enhance student motivation, self-efficacy, and long-term retention of reproductive anatomical structures

Aims and Objectives

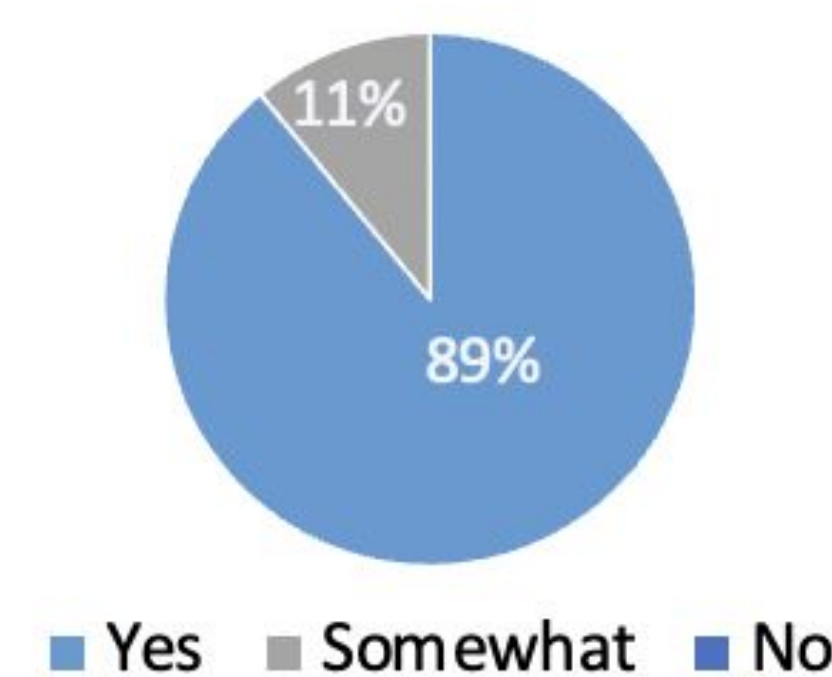
- Create a supportive learning environment and mentorship opportunities by integrating NPT and RPT methodologies in the lab setting
- Evaluate the effectiveness of NPT and RPT in improving student outcomes in reproductive anatomy education
- Measure the influence of integrated peer tutoring on student motivation, self-efficacy, and long-term retention of anatomical structures
- Provide a framework for future innovative approaches for enhancement of learning within medical education

Methods

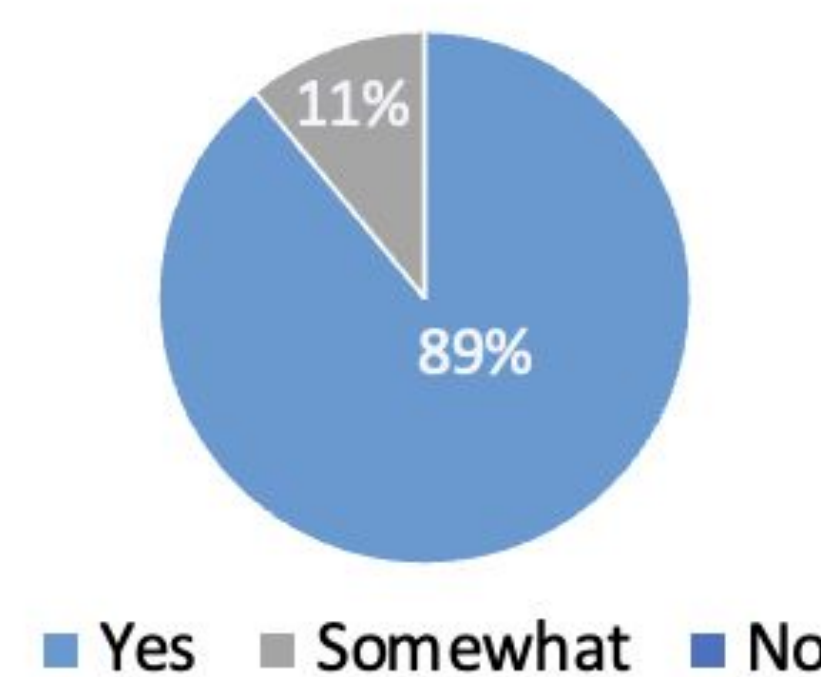


Results

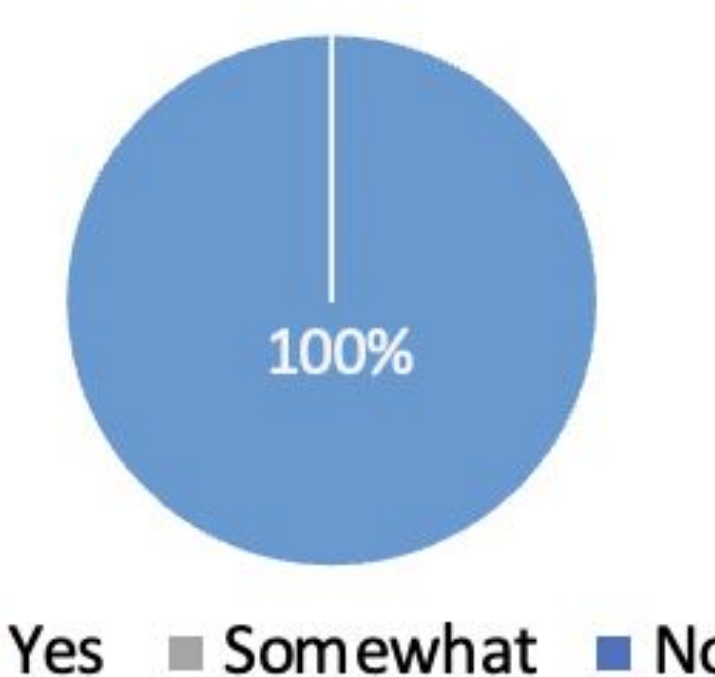
Confidence: Did you feel more confident identifying anatomical structures after the peer tutoring session?



Motivation: Do you think the peer tutoring experience motivated you to learn reproductive anatomy more than self-directed learning?



Retention: Did peer tutoring enhance your personal retention of reproductive anatomy more than self-directed learning?



The results of this study indicate a substantial positive effect when assessing peer tutoring in comparison to self-directed learning approaches. The survey administered to second year medical students after peer tutoring noted:

- 89% answered yes to feeling more confident, 11% answered somewhat, and 0% answered no
- 89% answered yes to feeling more motivated, 11% answered somewhat, and 0% answered no
- 100% of students answered yes to increased knowledge retention, 0% answered somewhat, and 0% answered no

Conclusions

- Integrating NPT and RPT markedly enhanced motivation, confidence, and long-term retention among medical students throughout a 3-week period
- Peer tutoring is an effective approach to improve methods of learning within the medical education curriculum
- Difficult concepts within medical education such as reproductive anatomy may be better understood by students if innovative teaching methods are utilized within the curriculum

Discussion

- Next steps should explore impacts of NPT and RPT on assessment grades, long-term effects on clinical performance, and career trajectories
- NPT and RPT have the potential to positively change teaching methods in anatomy education

References

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