INCREASING ENGAGEMENT AND LEARNING IN ANATOMY LECTURES BY RUNNING INTERACTIVE ACTIVITIES ON BIOMEDICAL IMAGES USING MOBILE DEVICES

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INTRODUCTION
In Medicine and Medical Science courses at UNSW, Histology & Gross anatomy lectures make use of biomedical images, which previously had no interactive elements.

The BEST Network’s image bank, Slice, is a large collection of online biomedical images with annotation tools that allow students and lecturers to mark features on images.

AIM: To increase interaction and engagement in lectures by implementing and evaluating the capacity to collaboratively annotate images.

RESULTS
321 students completed our evaluation survey. Students commonly accessed the resource on their laptops. There was strong acceptance of this form of immediate and targeted feedback.

How did you access this resource:

Enhanced my motivation to learn about the topic:

Provided feedback that enhanced my learning:

Improved my understanding of the topic:

MATERIALS AND METHODS

- Independent or small group task for 200+ students
- Anonymously mark features on pre-selected images
- Upon completion, all annotations were revealed to students on their mobile devices and on the theatre projection screen
- Answers were overlayed
- The lecturer addressed student misunderstandings in real-time

www.best.edu.au/slice

CONCLUSION

Improves interactive learning and the overall student experience

Academics collect immediate feedback regarding student misconceptions

Teaching can be more focused on areas of difficulty