

# STUDENTS' PERCEPTION OF ONLINE GROSS ANATOMY LABORATORY CLASSES VIA ZOOM TECHNOLOGY

Rudi Klein<sup>a</sup>, Gayathri Rajaraman<sup>a</sup>, Phil Seymour<sup>a</sup>, Chiara Tomassoni<sup>a</sup>, Maxwell Winchester<sup>a,b,d</sup>, Norman Eizenberg<sup>e</sup>, Puspha Sinnayah<sup>a,c</sup>

Presenting Authors: Rudi Klein (rudi.klein@vu.edu.au), Chiara Tomassoni

<sup>a</sup>Victoria University, First Year College, Victoria University, PO Box 14428, Melbourne VIC 8001, Australia

<sup>b</sup>Institute of Sustainable Industries and Liveable Cities, Victoria University, Melbourne VIC 8001, Australia

<sup>c</sup>Institute for Health and Sport, Victoria University, Melbourne VIC 8001, Australia

<sup>d</sup>Copenhagen Business School, Solbjerg Plads, Frederiksberg 2000, Denmark

<sup>e</sup>Melbourne Clinical School, University of Notre Dame, Werribee VIC 3030, Australia

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## BACKGROUND

During the 1<sup>st</sup> semester of 2020 the unit 'Functional Anatomy of the Trunk' was re-designed and taught online, in response to the COVID-19 virus lockdown.

## AIMS

The aim of this study was to investigate whether the use of computer based online support tools (as replacement of the traditional cadaver based laboratory learning), in conjunction with a focused period of synchronous Zoom delivery, achieved student outcomes and learning experience.

## DESCRIPTION OF INTERVENTION

The curriculum of the unit deals with the gross anatomy of the human trunk. The unit was taught in small groups (around 30 students) and entirely online with Zoom technology.

## DESIGN AND METHODS

N=41 first year students participated in this study and were invited at the conclusion of the unit to complete an anonymous opinion-based survey (via Qualtrics). Student grades and learning management system analytics was also analysed.

## RESULTS

Preliminary results indicate that students' perception of the online gross anatomy laboratory learning was positive and extended their learning. However, the online learning platform has its limitations, not using real bodies makes it harder to appreciate the 3D relationships between structure and function.

## CONCLUSIONS

Students' perception of online learning as a replacement of the traditional gross anatomy laboratory was surprisingly positive. Most agreed that it provided valuable insights and improved their understanding of anatomy as well as helped with the application of anatomical knowledge. Equally so, they strongly agreed that the online 2D learning experience was less engaging and interesting than learning using real bodies.

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