



Integration of Ultrasound into the Undergraduate Medical Curriculum

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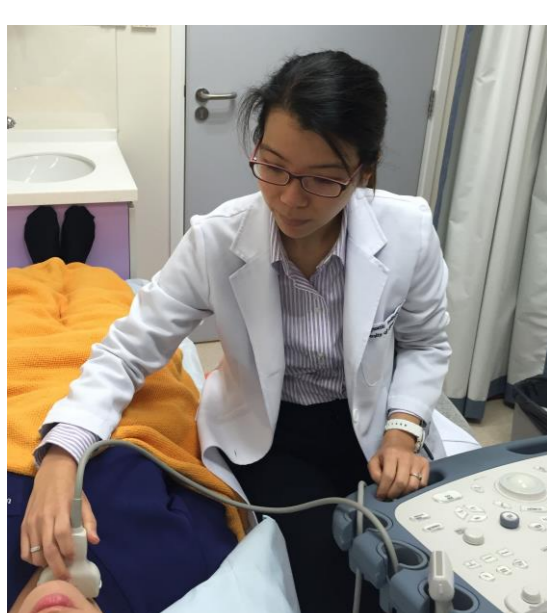
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INTRODUCTION

Ultrasound (US) is:

- important bedside tool
- portable
- radiation-free
- improves safety of bedside procedures



- Lack of experience of integration of US into undergraduate medical curriculum in Asia, none in Hong Kong.
- Could facilitate pre-clinical teaching
- Adjunct to clinical skills training

AIM

We strived to be the first in introducing and integrating US into the undergraduate medical curriculum to enhance students' learning.

SUMMARY OF WORK

Integration of US can be achieved in two stages, allowing both horizontal and vertical curricular integration:

- Preclinical
 - Learning of human anatomy and physiology
 - Collaboration with Division of Anatomy, School of Biomedical Sciences
 - “Living anatomy” through US
- Clinical
 - MBBS III Integrated Block
 - Introduction of US hands-on workshops

SUMMARY OF RESULTS

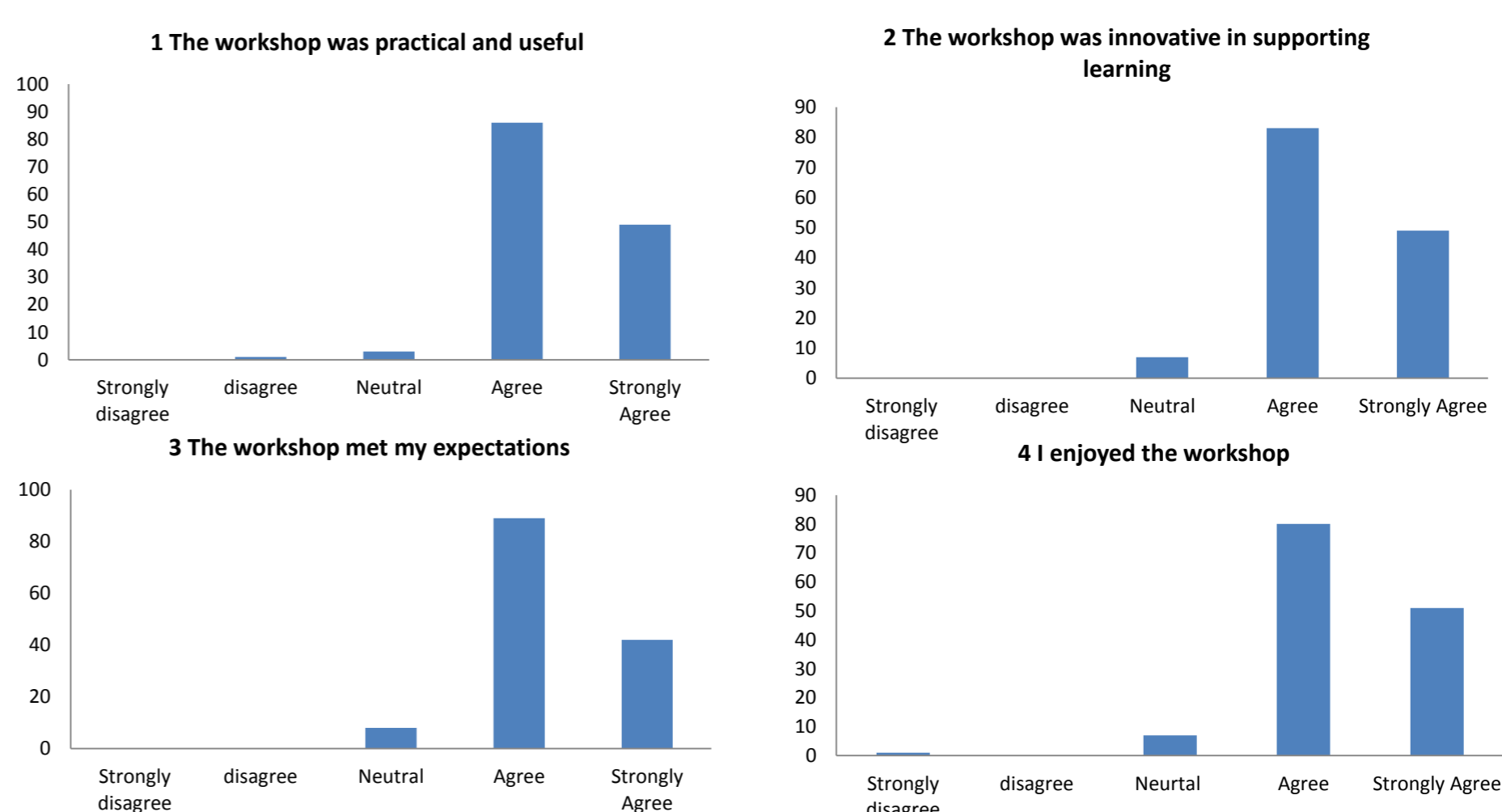
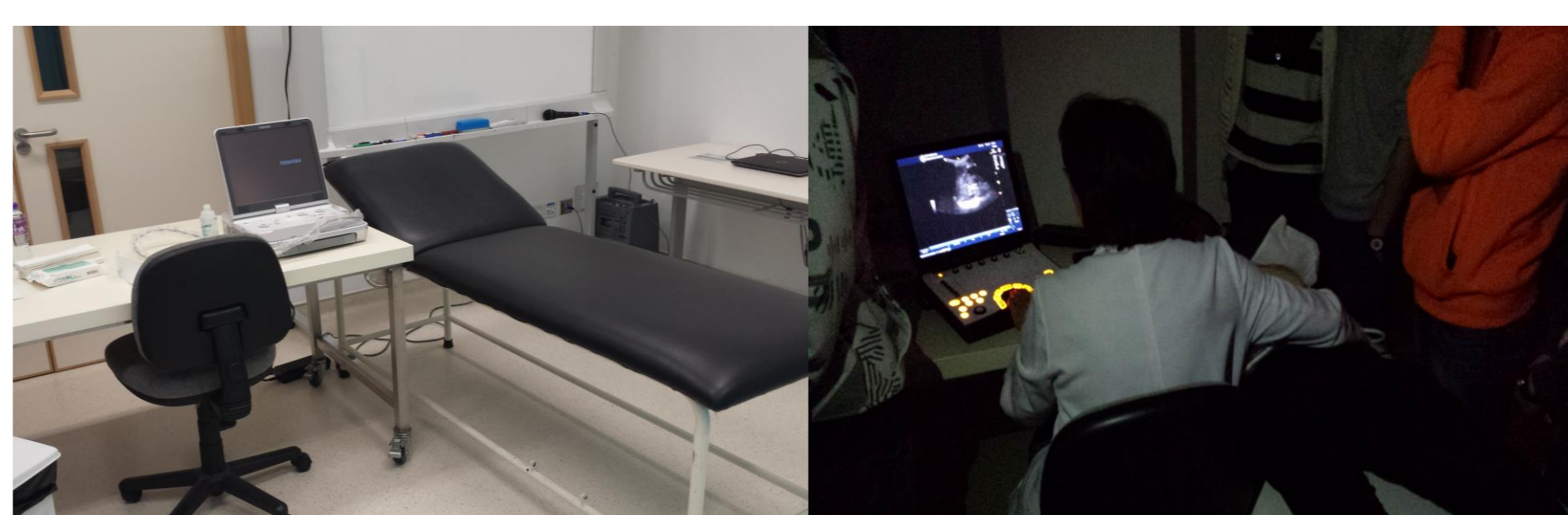
Preclinical experience

- “Living anatomy”
- Demonstrate the upper abdominal anatomy through US
- Correlate sonographic anatomy with gross anatomy on cadaver



Clinical integration

- US hands-on workshops
- Student group of 10-12 students
- Guided by an experienced tutor
- Experienced in scanning the upper abdomen
- Demonstration of upper abdominal organs on US



CONCLUSION

The pilot work showed the feasibility of integrating ultrasound into the undergraduate medical curriculum to stimulate and enhance the learning experience and engagement of our students.

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