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NUS-Priority Research In Medical Education

A Meta-Analysis for Comparing Effective Teaching in Clinical Education

Many factors affect impact on student learning outcomes. However, studies comparing the relative effectiveness of different clinical teaching methods are limited. This presentation identifies teaching-learning factors which characterise efficient teaching in clinical settings by a meta-analysis of 132 articles with effect sizes. Among 16 identified teaching-learning factors, Mastery learning, small group learning and goal setting possessed the largest effect sizes ($d \geq 0.8$). Teachers may use this data to optimise teaching within their individual contexts with the aim of improving learning outcomes in the clinical environment. Incorporating the most effective teaching-learning factors into teaching practices is promising for efficient teaching.

Dr HUANG Pin-Hsiang
Department of Medicine, Taipei Veterans General Hospital, Taiwan

Pin-Hsiang Huang is awarded a PhD degree in Medical Education from University of New South Wales, Australia where he is conferred with the title of Adjunct Associate Lecturer. Alongside resident doctor training, Pin-Hsiang is currently conducting projects in medical selection interviews (cross-country comparison), OSCE standard setting, and academic promotion scale.

Virtual Reality Competency Training and Assessment Tool for Processing of Prescriptions and Medication Orders

Virtual reality (VR) technology is increasingly used in healthcare education to offer an immersive and interactive environment that mimics real world experiences to reinforce didactic and practical concepts. Processing prescriptions and medication orders is one of the core pharmacy activities and part of the National Pharmacy Competency Standards for Pharmacists and Pharmacy Technicians. In line with these competency standards, in February 2020, Department of Pharmacy, SGH embarked on the development of "*Project V*Rx", a high-fidelity VR Pharmacy Dispensing simulation training program to equip pharmacy staff and trainees with knowledge and skills to process prescriptions and medication orders safely and accurately.

Dr TSANG Wing Yee
Department of Pharmacy, Singapore General Hospital, Singapore

Wing Yee is a senior clinical pharmacist at Singapore General Hospital, a major teaching hospital that provides undergraduates and postgraduate training for healthcare students and professionals. Wing Yee is an active trainer for pharmaceutical science polytechnic interns, pre-registration pharmacists and fellow colleagues. She has special interests in utilizing virtual reality as an innovative training modality for the pharmacy workforce development.

NUS-PRIME Research Consultation

If you would like to seek pedagogical, methodological or statistical support for your medical and health professions education research, come discuss with our educationalists at the NUS-PRIME Research Consultation session.

Email your research queries to cheeyen.ang@nus.edu.sg by 1 October 2021

This session will take place from 1.30pm (after NUS-PRIME) via Zoom

Date : **4 October 2021 (Monday)**
Time : **12.30pm - 1.30pm Singapore Time (30mins each)**

This session will be conducted online
Each Speaker:
20mins pre-recorded presentation +
10mins 'Live' Q&A

Registration closes on 1 October 2021.

Register at: https://tinyurl.com/7vhasndz
or scan the QR code

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SMC CME / CNE / CPE accreditations are being finalised

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