

NUS-Priority Research In Medical Education

Perceptions and Reactions to the Flipped Classroom Method in Continuing Professional Development for Rehabilitation Medicine Professionals in Yunnan Province



This is a qualitative study of the reactions and perceptions of Mainland Chinese rehabilitation medicine professionals experiencing the flipped classroom approach for the first time in a multi-year rehabilitation medicine continuing professional development programme organised by the Singapore International Foundation in collaboration with the Kunming Medical University 2nd Affiliated Hospital.

Dr LOH Cheng

Emergency Department, Tan Tock Seng Hospital; Lee Kong Chian School of Medicine, Nanyang Technological University

Dr Loh Cheng was involved in village doctor training, faculty development and undergraduate clinical curriculum development at Kunming Medical University from 2008 to 2016. He has since relocated back to Singapore and is serving in the front lines of acute and urgent care. He continues to love teaching and thirst to learn, while trying to get used to life without rice noodles, Pu'er tea and majestic mountains.

Effects on Physiotherapy Preceptorship Program using the Mini Clinical Evaluation Exercise (Mini-CEX)



65% of physiotherapists rated the preceptorship program, as well as with ten out of the twelve domains surveyed, as either "unsatisfactory" and "just satisfactory". Surveyed domains included 1) overall satisfaction and comprehensiveness, 2) assessment tool: ease of use, validity, reliability, comprehensiveness, promotion of formative and summative assessments, facilitation of timely feedback, action plans, learning outcomes and 3) adequacy of staff training. In response, the Mini-CEX was introduced as part of competency assessment. Supportive training was implemented which included:

1) calibration program using standardised videos for assessments, 2) standardisation of clinical competencies guidelines across disciplines, and 3) staff training which includes shifting of learning and assessment paradigms to facilitate meaningful learning for both preceptor and preceptees.

In the repeated survey, significant improvements in satisfaction were reported across all twelve domains (sig <0.05).

Ms LOY Yijun

Rehabilitation Department, National University Hospital

Yijun is a physiotherapist at the NUH with experience in the intensive care, surgical and medical units, as well as outpatient exercise services. Her education role includes managing the overall preceptorship program for junior physiotherapists since 2016. She is currently involved in designing and managing the MILES and GOLDEN projects, aimed at providing rehabilitation for frail elderly undergoing surgery and/or oncological medical therapies.

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.

This session will take place after Ms Loy's presentation till 2.00pm.

Date : 11 October 2019 (Friday)

Time : 12.30pm - 1.00pm (Dr Loh), 1.00pm - 1.30pm (Ms Loy)

Venue : Multi-Purpose Hall 2, Level 3, MD1, 12 Science Drive 2, Singapore 117549

Lunch will be provided from 12noon to 12.30pm.

Please RSVP through the CenMED Registration Portal via link or QR code (**account registration is required for new users**) by 7 October for catering purposes: <https://inetapps.nus.edu.sg/fds/Default.aspx>



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