NUS | Centre for Medical Education
Yong Loo Lin School of Medicine

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# NUS-Priority Research In Medical Education

## Development of Effective Feedback Model for Students in Clinical Setting

Suitable feedback model is needed to ensure optimal feedback practice in clinical settings. The aim of this study was to develop suitable feedback model. The model was designed based on theoretical frameworks and feedback-related attributes in FMUI. The new model (RAISE) consists of five steps. Model's effectiveness was tested using quasi-experimental design involving 74 students in Paediatric rotation. Students reflected their experience after receiving feedback in Mini-CEX, and the depth of reflection were compared between intervention and control group. Deep reflection was more frequently found in intervention group, and the difference between groups was statistically significant (Z=2,964, p=0,003).

**Dr Estivana FELAZA**
**Medical Education Department, Faculty of Medicine, Universitas Indonesia, Indonesia**

Estivana graduated as a medical doctor from FMUI on 2004. She finished her Master Degree in Medical Education in 2011 and her Doctoral in 2023. Her research interest was on the field of feedback, students support, and professional identity formation.

## Reimagining Discharge Summary Writing Teaching Using Generative Artificial Intelligence

Large Language Model (LLM) has emerged as a promising tool in healthcare due to its human-like responses. However, LLM's accuracy in medical education has not been thoroughly evaluated. Discharge summary (DS) writing education has been widely studied without a focus on technological teaching aid. Our study aims to evaluate the performance of 4 LLMs, ChatGPT 3.5 and 4.0, Microsoft Copilot and Google Gemini in delivering appropriate feedback to students as compared to human facilitators. This will shed new insights on the effectiveness and feasibility of an e-learning module with individualised feedback from selected LLM on DS writing.

**Dr CHUA Chun En**
**Advanced Internal Medicine, Department of Medicine, National University Hospital, Singapore**

Dr Chua is an internist with special interest in Quality Improvement and Medical Education. She is heavily involved in improving the quality of discharge summaries in Department of Medicine. For the past 3 years, it has achieved remarkable success with a customised E-learning module for all NUHS PGY1s and the implementation of institution-specific, data-secured Artificial intelligence (Russell-GPT) as an aid in drafting daily documentations.

**Dr Nathasha LUKE**
**Department of Physiology, NUS Yong Loo Lin School of Medicine, Singapore**

Dr Nathasha Luke is a lecturer at the Department of Physiology of Yong Loo Lin School of Medicine, and a Resident Physician at Ng Teng Fong Hospital, Singapore. She is a clinician, educator, and researcher with key research interest in artificial intelligence in medical education.

Date : 1 July 2024 (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 27 June 2024**

Register here or scan the QR code

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