

# NUS-Priority Research In Medical Education

## Effectiveness of Video-Assisted Simulation Debriefing in Health Professional Education: A Systematic Review of Quantitative Evidence



As an essential step of the simulation, debriefing aims to examine the knowledge gained from the encounter, fosters the ability of self-reflection, and ultimately integrates new knowledge into learners' cognition. Despite being touted as the "gold standard", video-assisted debriefing (VAD) has not fully demonstrated its pervasiveness and significant benefits in health professional education. Evidence shows conflicting views about the effectiveness of VAD and uncertainty about when to play the video and the ideal duration of video playback for achieving the best effect. In addition, the last systematic review involving simulation debriefing was conducted in 2011. Hence, this review will synthesize and update best evidence of VAD, as well as to make recommendations to current teaching practice.

### Ms ZHANG Hui

Alice Lee Centre for Nursing Studies, NUS Yong Loo Lin School of Medicine

Ms Zhang Hui (Yvonne) is a faculty member of Alice Lee Centre for Nursing Studies, NUS Yong Loo Lin School of Medicine. She is a registered nurse with clinical specialty in orthopaedic nursing. Her research interest includes cardiovascular diseases, chronic diseases and orthopaedic nursing. As an educator, she also has strong interest in the educational research.

## Team Based Learning: An Evaluation of Students' Perception of the Course Learning Process



This is a study conducted on first year undergraduates enrolled in Bachelor of Science (Nursing) at the Alice Lee Centre for Nursing Studies. Team Based Learning is an instructional strategy, characterized by individual preparation for the topic, individual readiness for tests and decision-based application activities. (i) Phase one, the preparatory phase; students are assigned preparatory materials to review before the start of each theme. The preparatory materials will highlight foundational concepts and critical concepts that the students required to know on problem solving in case based scenario; (ii) Phase two, the Readiness Assurance Test, which comprises the individual readiness assurance test (iRAT) and the team readiness assurance test (tRAT), and (iii) Phase three, the application of concepts and principles. The educator facilitates a classroom discussion between teams to explore the topic and the possible answers to the problem. At the end of the module, students' perception of the course learning process was evaluated.

### Ms LIM Ah Ewe, Joyce

Alice Lee Centre for Nursing Studies, NUS Yong Loo Lin School of Medicine

Joyce Lim is a Teaching Assistant at Alice Lee Centre for Nursing Studies, NUS Yong Loo Lin School of Medicine. She is involved in teaching undergraduate nursing program. She is currently engaged in the educational research.

**Date : 3 April 2017 (Monday)**

**Time : 12.30pm - 1.00pm (Ms Zhang Hui), 1.00pm - 1.30pm (Ms Joyce Lim)**

**Venue : Room T11-02, Level 11, NUHS Tower Block, 1E Kent Ridge Road, Singapore 119228**

Lunch will be provided from 12noon to 12.30pm. Please RSVP at <https://www.surveymonkey.com/r/NUS-PRIME3April2017>\* by 27 March for catering purposes.

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