

SINGHEALTH DUKE-NUS EDUCATION CONFERENCE 2019

27 & 28 SEP | ACADEMIA

TRANSLATING THEORETICAL KNOWLEDGE TO REAL-WORLD CLINICAL SETTINGS

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BACKGROUND

One significant challenge in medical education is translating the expansive amount of theoretical knowledge to real-world clinical settings. Such knowledge includes but is not limited to evidence-based concepts, problem-based acumen, clinical reasoning, interpersonal and interprofessional relationships. We think it is paramount to close the chasm between different levels of the medical community, namely the senior clinicians and junior medical students, especially given the recent national focus on nurturing competent and patient-centric clinicians.

APPROACH

As medical students, we are privileged to see and explore the rich terrain of medicine from its fundamentals. To enrich the knowledge glimpsed from medical textbooks and our classes during our first year in medical school, we were eager to explore different views of medicine and how healthcare professionals viewed and interacted with it.

To that end, we initiated a novel approach of integrating knowledge from clinicians across various levels within the international medical community (Figure 1). Specifically, we got involved in planning and executing Asia-Pacific's 6th Premier Intensive Care Conference (SG-ANZICS) – an annual collaboration organised by the Society of Intensive Care Society Singapore (SCIM) and the Australia and New Zealand Intensive Care Society (ANZICS).

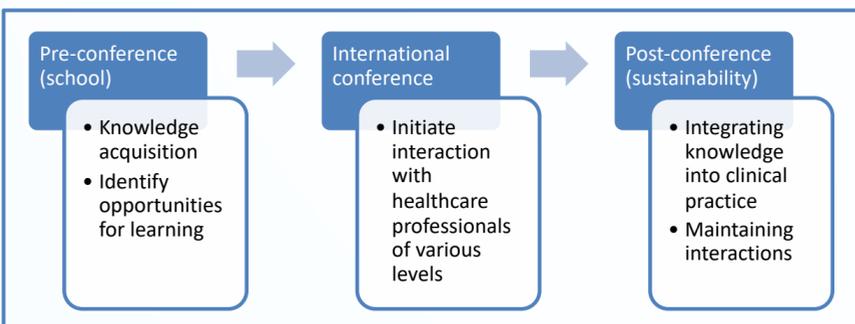


Figure 1: Approach to translating knowledge into clinical practice.

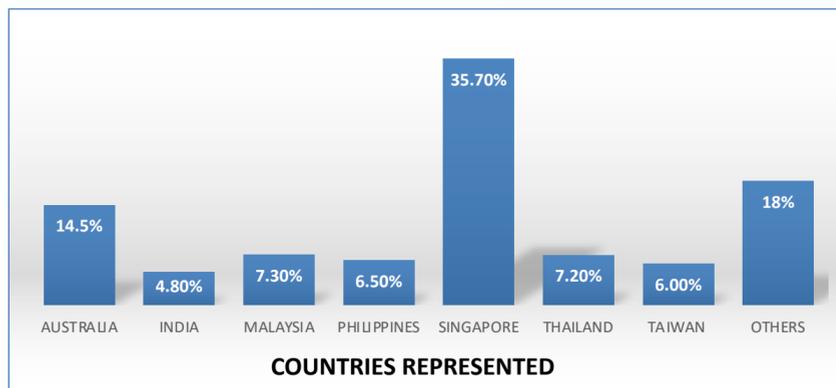
OUTCOMES

A premier critical care conference in the Asia Pacific region, SG-ANZICS 2019 played host to over 900 participants from 35 countries and over a myriad of healthcare sectors, with the breakdown as shown below (Graph 1 and 2).

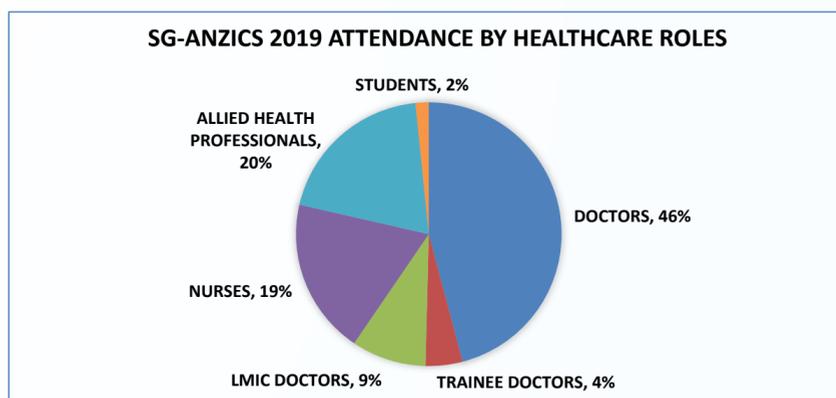
As a part of the organising committee, we had the privilege of being a part of the overall planning and execution of this global healthcare event. Besides being in charge of fundraising for the healthcare workers from Low and Low-Middle Income Countries, we were also fortunate to be given the chance to be part of SG-ANZICS' Faculty and Delegate Experience Team, where we strove towards leaving a lasting impression on each and every delegate and faculty.

Through our involvement, we succeeded in being more aware of the following:

- Common challenges faced by different levels of the medical community, such as but not limited to handling ethical and moral dilemma, upholding healthcare data security and navigating interprofessional dynamics.
- Underlying cognitive processes behind sound clinical judgement, which in turn illuminated gaps in our knowledge and clinical experience. Consequently, we gained more insights regarding the expectations of senior clinicians towards medical students, and how we can adopt a more targeted and holistic approach to improve our medical education beyond the classroom academic setting.
- Versatile and clear communication approaches in interacting with various parties and stakeholders across the healthcare sector, from patients, fellow clinicians, allied health professionals, healthcare technicians to administrative personnel.



Graph 1: The percentage of countries represented in SG-ANZICS 2019.



Graph 2: A pie chart showing the distribution of attendance in SG-ANZICS 2019.

FUTURE DIRECTIONS

In our future interactions within the medical community, especially with our juniors, we hope to actively cultivate this network of multilevel knowledge transmission. In particular, we hope that our efforts will catalyse more meaningful collaborations between clinicians across different levels (senior medical students, postgraduates, registrars, consultants and senior consultants), not only within the Duke-NUS community but also across various medical institutions, be it locally or internationally. This will help curate a more sustainable, accountable and accessible learning ecosystem that echoes the fundamental preceptorship core of medicine.



Figure 2: SG-ANZICS 2019 Committee. From top left: Dr. Jason Phua, Dr. Adrian Kee, Dr. Jensen Ng, Eng Zhiqing, Dr. Liesel Fong, Dr. Andrew Li, Dr. Judith Wong, Dr. Alvin Ng; bottom left: Dr. Tan Hon Liang, Lim Chu Hsien, Dr. Ruth Chen

ORGANISER



SECRETARIAT

