

NUSMed CHS-Connect

Connecting Minds, Advancing Health Across Asia-Pacific

Welcome Note



Dr Gene Chan

*Director, CHS, and
Senior Consultant,
Emergency Medicine,
NUHS*

Welcome to the First Issue of the CHS E-newsletter

It is my great pleasure to welcome you to the inaugural edition of NUSMed CHS Connect. As the Centre Director, I am excited to begin this new chapter with you. This newsletter represents more than a communication platform; it is a shared space where ideas can spark, collaborations can deepen, and our community can continue to shape the future of healthcare together.

ABOUT CHS

CHS was founded with a bold mission to advance healthcare education and patient safety through innovative simulation-based training, impactful research, and meaningful partnerships. Our centre is home to passionate educators and clinicians who are committed to pushing boundaries and transforming the learning experiences that ultimately lead to better patient care.

PURPOSE OF THIS NEWSLETTER

Through this newsletter, we hope to strengthen the connections that unite our Asia-Pacific community. Each issue will highlight our collective efforts, celebrate our achievements, and inspire new ideas. Above all, we hope it becomes a meaningful platform for **information exchange, collaboration, and professional engagement**, enabling us to learn from one another and continue to grow as a region dedicated to excellence in simulation and education.

REFLECTIONS ON 2025

As we look back on 2025, we are proud of what we have accomplished together. This year, CHS deepened its collaborations with CUTE (Connective Ubiquitous Technology for Embodiments) Centre and with the Division of Industrial Design at the NUS College of Design and Engineering, working to create innovative solutions that address the evolving needs of healthcare. We also expanded our capabilities in 3D printing and co-hosted our first workshop at the S3 Conference with the NUS Centre for Additive Manufacturing, demonstrating how emerging technologies can enrich training and education.

A particularly meaningful milestone was the launch of our inaugural CHS Fellowship Programme, which welcomed fellows from across the region and marked an important step in building a vibrant community of simulation leaders who learn, share, and grow together.

These achievements reflect the dedication, creativity, and passion of our colleagues. They remind us of the possibilities that emerge when we work with purpose and unity.

As we look ahead to 2026, I hope this newsletter will energise and inspire you, just as your support inspires us. Let us continue striving, innovating, and shaping the future of healthcare together.

Thank you for being
part of our community.

We look forward to continuing
this journey together in 2026.



Advancing Simulation and MedTech: CHS Highlights from Apr–Nov 2025

AsiaSPEC Inaugural International Conference Held on 25 – 27 Apr 2025

Promoting Humanism in Healthcare Through SP Methodology

The AsiaSPEC International Conference 2025 brought together educators and practitioners from across Asia and beyond for three impactful days of knowledge exchange and collaboration.

Centred on the theme “Innovating SP Methodology to Strengthen Humanism in Healthcare,” the event featured workshops, panels, and presentations on SP programme management, training, feedback, and assessment.

Organised by the Asian Standardised Patient Educator Collaborative (AsiaSPEC), the conference marked a major step forward in expanding SP methodology across the region.



[Read More on our website](#)

Reimagining Healthcare: Highlights from NUS Medicine's Innovation Showcase

On 16 July 2025, NUS Medicine's Centre for Healthcare Simulation hosted “**Celebrating Innovation and Emerging Technologies**”, bringing together clinicians, researchers, educators, and students to explore how technology is reshaping healthcare. The event highlighted student-led medtech projects, 3D-printed simulators, virtual and augmented reality solutions, and interdisciplinary collaborations with HealthX and other partners. Attendees experienced hands-on demonstrations of innovations designed to improve patient outcomes, clinician workflows, and medical education.

The event reinforced NUS Medicine's commitment to fostering a culture of collaboration, continuous learning, and technical fluency, empowering students, educators, and partners to lead confidently in a rapidly evolving healthcare landscape.

[Read More on our website](#)





Workshop Recap: Shaping the Future of Healthcare Simulation with 3D Printing

In November 2025, Dr Alexander Ng, Director of Design, Technologies & Innovation at the Centre for Healthcare Simulation (CHS), co-taught a pre-conference workshop titled **“Basic Skill in Simulator Building, 3D Printing and Beyond”** at the SingHealth Duke-NUS S3 Conference 2025. Co-facilitated by Assoc Prof Yen Ching-Chiuan, and Mr Chong Zi En, the workshop introduced healthcare simulation professionals to foundational skills in simulator design and construction.

Through guided exercises and case examples, participants explored key design considerations, commonly used 3D printing and manufacturing materials, and practical methods for integrating these materials to align simulator specifications with learning objectives. A hands-on segment allowed participants to work with basic components used in simulator building, while the later part of the workshop offered insights into Singapore’s 3D printing landscape, showcasing various printers, materials, case studies, and ongoing projects.

SCENES FROM THE DAY



Building on the strong interest and positive feedback from the November session, **Dr Ng will lead a 3D Printing Symposium at CHS in August 2026, which will further expand on the applications of additive manufacturing in healthcare simulation and education.**

Interested learners can look out for more details in our April 2026 e-newsletter.

[Read More on our website](#)

Step inside the world of **Dr Suresh Pillai**, a leading clinician in Emergency Medicine, passionate educator, and pioneer behind the Centre for Healthcare Simulation (CHS). In this exclusive feature, Dr Pillai shares his journey into medicine, memorable experiences in clinical practice, the story behind setting up CHS, and insights for healthcare professionals across the region.

> CHOOSING MEDICINE. FINDING EMED.

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> MOST MEMORABLE EXPERIENCE

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> BEYOND WORK: FINDING BALANCE OUTSIDE MEDICINE

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> GUIDING THE NEXT GENERATION OF SIMULATION LEADERS

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> EARLY DAYS OF CHS: CHALLENGES, TRIUMPHS, & GROWTH

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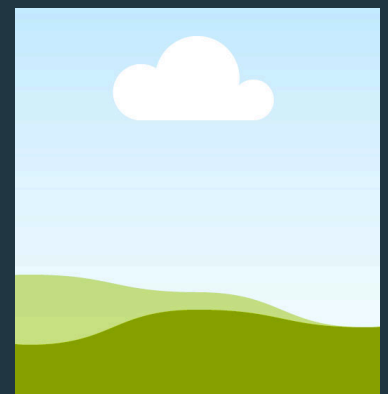
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NATIONAL DAY MEDAL STORY

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Building Global Connections through the CHS Experiential Simulation Programme

Yokohama City University students experience CHS simulation programme.

From 27 October to 7 November 2025, CHS hosted three undergraduate medical students from **Yokohama City University (YCU)**, Japan, for a short elective under the **CHS Experiential Simulation Programme**.

As part of this exchange, CHS also welcomed YCU representatives, **Dr Suenaga** (pictured above, left) , Associate Director of the Medical Global Advancement Department, and **Ms Kayo Tazawa** (pictured above, right) from the Medical Education Internationalization Section, Medical Academic Affairs Division, during their visit on 4 and 5 November 2025.



The visit fostered meaningful discussions on simulation-based education and opportunities for academic collaboration. Through such partnerships, the CHS Experiential Simulation Programme continues to provide international medical learners with immersive experiences in healthcare simulation and education.

CHS welcomes **other universities interested in similar arrangements** to collaborate with us in delivering transformative learning opportunities that advance global healthcare education.

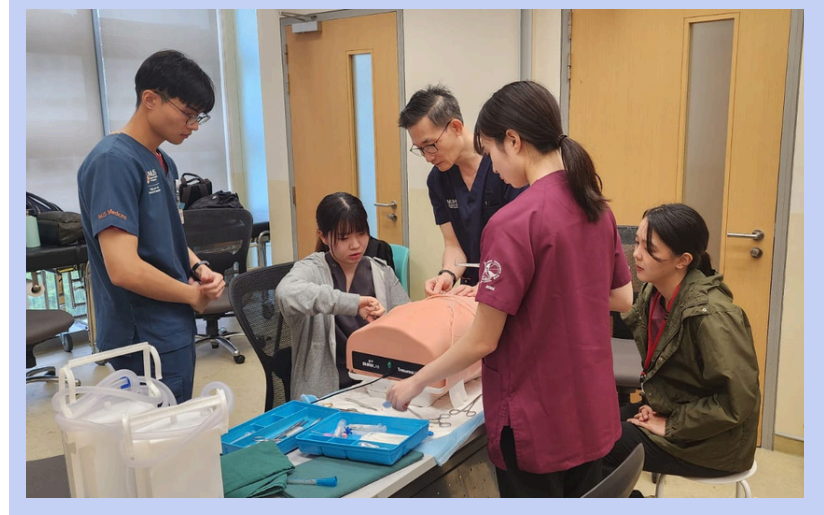
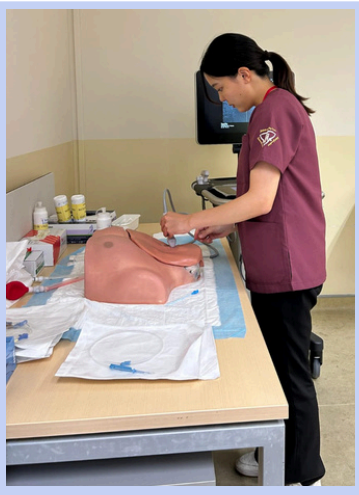
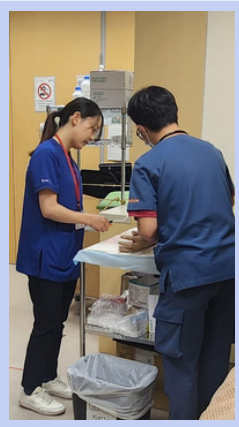
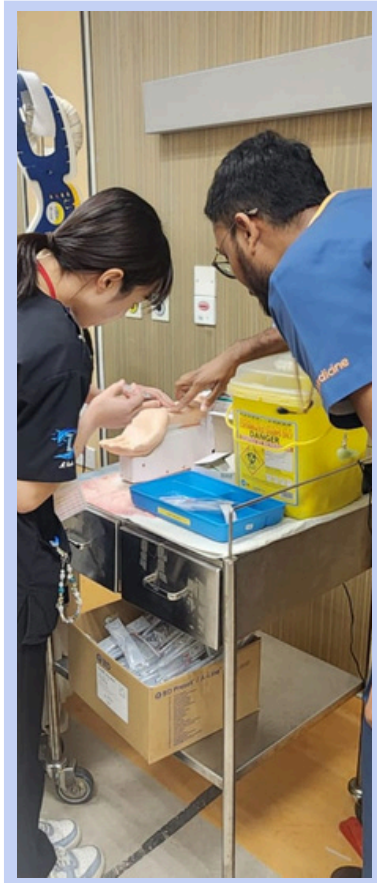


It is an immersive and highly practical program that offers students an inspiring view of international medical education and motivates them to grow both clinically and personally.

Ayaka Kozuka



Read More on our website



CHS FELLOWSHIP PROGRAMME

In November 2025, the Centre for Healthcare Simulation (CHS) had the pleasure of hosting colleagues from **Universiti Kuala Lumpur, Royal College of Medicine Perak (UniKL RCMP)** as part of the CHS Fellowship Programme. Over their week-long attachment, the fellows engaged in simulation teaching activities, observed in-situ simulations at the National University Hospital, and met with CHS educators, technologists, and leadership to exchange ideas on simulation curriculum design, centre operations, and emerging technologies.

The visiting delegation comprised **Associate Professor Dr Elvind Yip (Deputy Dean, Academic)**, **Ms Pek Yah San (Head of Nursing)**, and **Ms Rasida Sahrudin (Senior Lecturer, Medical Imaging)**. In the accompanying photo, they are pictured standing with **Associate Professor Chen Zhi Xiong (Assistant Dean, Education, NUS Yong Loo Lin School of Medicine)**: Ms Pek on the left, Assoc Prof Chen next to her, Dr Elvind beside Ms Rasida, and Ms Rasida on the far right.

Their participation highlights the growing importance of cross-institution collaboration in strengthening simulation-based education across the region. CHS **warmly welcomes similar partnerships with universities and training institutions interested in faculty development, operational benchmarking, or simulation education exchange.** We look forward to building more regional collaborations that advance healthcare education together.

[Read More on our website](#)

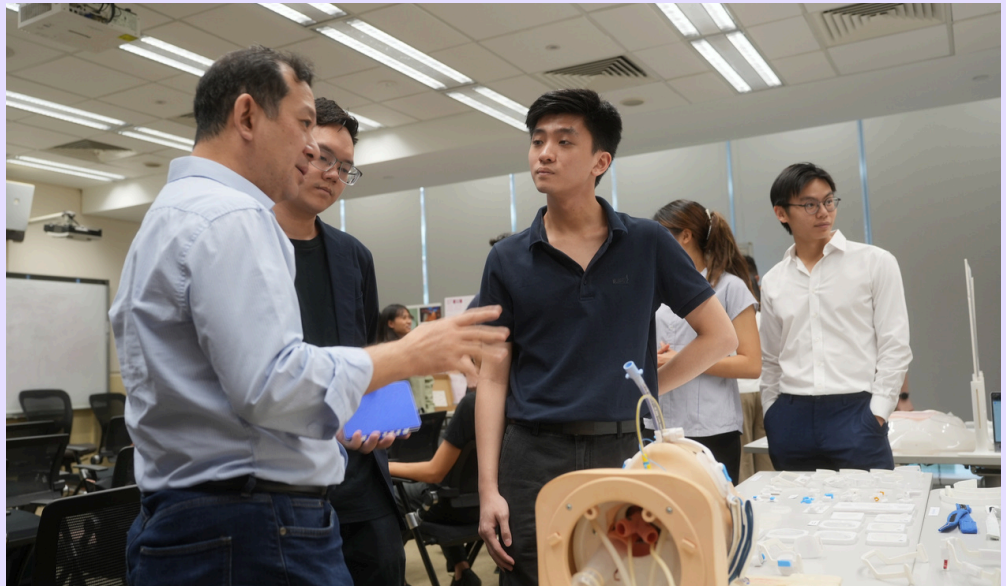
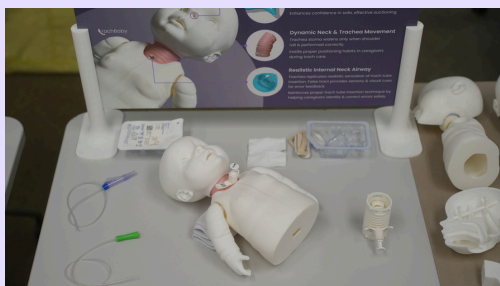


A shared meal at Bismillah Briyani Restaurant in UTown with our UniKL RCMP colleagues — a memorable moment from their fellowship week.

Design for Medicine 2025: Innovation in Action

Discover how cross-disciplinary teams of clinicians and design students brought creative medtech solutions to life at last November's showcase.

The annual **Design for Medicine MedTech Showcase**, jointly organised by the **Centre for Healthcare Simulation, Developing Technologies & Innovation (NUS YLLSOM)** and the **Division of Industrial Design, NUS**, once again highlighted the value of interdisciplinary collaboration in shaping the future of healthcare. Held on 25 November 2025, the event brought together clinicians from a wide range of specialties with design students who share a passion for solving real clinical problems.



Over the past 13 weeks, the students worked closely with clinicians from various hospitals to identify unmet needs in patient care and medical training. From workflow inefficiencies to gaps in medical education. Associate Professor Yen Ching-Chiu and his team from AM.NUS (Additive Manufacturing NUS) and CUTE Center guided the students on integrating design principles and ideas into the proposed clinical solutions. Dr Ng Jet Yue Alexander led a team of clinical mentors to provide the clinical need, background and key challenges faced on the ground. The designs of the devices were improved upon throughout the course of the program and frequent interactive weekly meetings were held with both clinicians and design faculty.



Their efforts culminated in a series of innovative prototypes that were both thoughtfully designed and grounded in clinical practicality. During the showcase, participants had the opportunity to present their projects to key NUHS group level professionals from the Centre for Innovation in Healthcare, NUHS Research Office, NUHS Transformation office and Kent Ridge Office of Innovation. The presentation then transitioned into lively discussions about potential applications and next steps in the individual group's innovation journey.

Several of the most promising projects are now preparing to seek support through upcoming **NHIC grant opportunities**, including the **Joint MedTech (JMT)** scheme. This continued momentum reflects a growing sense of optimism within Singapore's medtech community. As clinicians and designers collaborate more closely, the ecosystem becomes increasingly well-positioned to generate meaningful, homegrown healthcare innovations. A nursing led project on an innovative stoma training solution is also on route to be used by the entire upcoming nursing student cohort.

The event's success also speaks to the enthusiasm of the next generation of healthcare and design professionals. With platforms like Design for Medicine providing mentorship, structure, and real-world relevance, the outlook for locally developed medtech solutions is bright and full of possibility.





Hands-On Simulation: Experience Healthcare in Action

Tuesday 24 Feb - Thursday 26 Feb 2026

FUNDAMENTALS & DEBRIEFING IN SIMULATION-BASED HEALTHCARE EDUCATION

Take your teaching to the next level with this practical, hands-on course designed for healthcare educators who want to enhance learner engagement and outcomes through simulation. Whether you are new to simulation or looking to sharpen your existing skills, this course equips you with the tools, techniques, and confidence to effectively incorporate simulation-based education into your curriculum.

KEY LEARNING OUTCOMES

- ✓ A strong foundation in healthcare simulation principles
- ✓ Skills to design and run effective lesson plans and simulation scenarios
- ✓ Techniques to assess and improve learner performance
- ✓ Practical experience with debriefing models and facilitation strategies
- ✓ Insights into common challenges and how to overcome them
- ✓ Tools you can immediately apply in your day-to-day teaching and clinical training

COURSE FEES

\$2,550 SGD
(EXCLUDING GST)

That's a wrap for this issue!

Catch our next edition for more updates.

Stay connected with CHS for the latest in healthcare simulation and innovation:
<https://medicine.nus.edu.sg/chs/latest-news/>

