

MD 2025

MEDICAL DESIGN WORKSHOP

From Idea to Innovation:

"Translating Clinical Insights into Market-Ready Solutions"

This 2-day workshop explores turning clinical insights into impactful health technologies using proven frameworks in medical design, robotics and device development.

REGISTER NOW
Before 31 July 2025

**16
CPD
Points**

<https://forms.gle/ETuEWn8wVtZRRCYRA>



MOH : RM 200.00

Non-MOH : RM 250.00



18 & 19 August 2025



Auditorium,
Hospital Rehabilitasi
Cheras

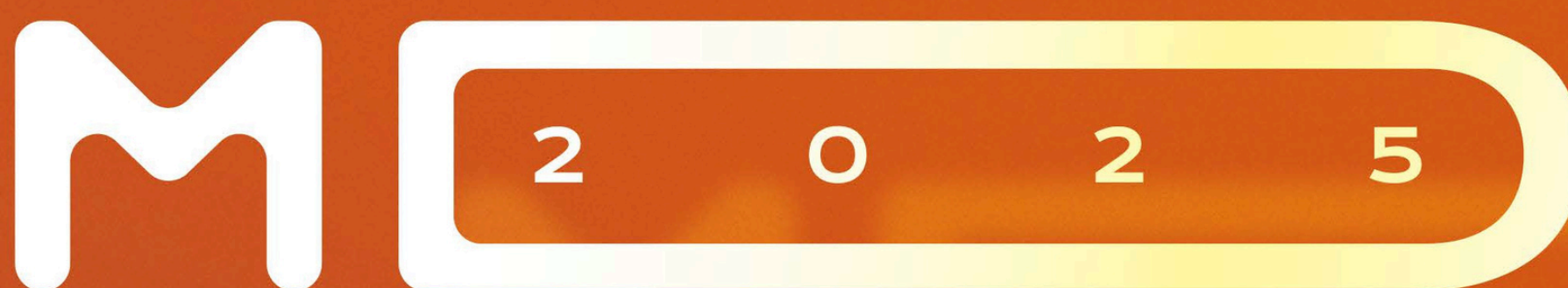


03-91453400



crc.rehabcheras@gmail.com

AUGUST
18 Mon



MEDICAL DESIGN WORKSHOP

From Idea to Innovation: Translating Clinical Insights into Market-Ready Solutions

VENUE: AUDITORIUM, HOSPITAL REHABILITASI CHERAS

- | | |
|-------------|---|
| 08:30-09:00 | Registration and Grouping |
| 09:00-09:30 | Opening Speech
<i>Dr. Phei Ming Chern (Organizing Chair Person of Medical Design Workshop)</i> |
| 09:30-10:00 | Overview
Topic : From Clinical Observation to Innovation:
Bridging the Gap Between Patient Needs and Medical Device Development.
Dr. Phei Ming Chern
<i>(Consultant Rehabilitation Physician,
Head, Clinical Research Centre, Hospital Rehabilitasi Cheras, Kuala Lumpur, Malaysia.)</i> |
| 10:00-10:40 | Topic 1
Topic : Introduction of Medical Design: invention and implementation.
Assist. Prof. Dr. Jian-Jia Huang
<i>(Supervisor of the Taiwan Medical Design Association.
Master of Science Degree Program in Innovation for Smart Medicine, Chang Gung University, Taiwan.)</i> |
| 10:40-11:00 | Group Discussion |
| 11:00-11:30 | Refreshment Break |
| 11:30-12:30 | Topic 2
Topic : Usability and risk evaluation in the medical device innovation: rehabilitation robots as example.
Prof. Dr. Yu-Cheng Pei
<i>(Vice President of the Taiwan Medical Design Association.
Master of Science Degree Program in Innovation for Smart Medicine, Chang Gung University, Taiwan.)</i>

Topic : Software as a Medical Device (SaMD) and Data Security in Healthcare Innovation.
Prof. Dr. Chien-Lung Hsu
<i>(President of the Taiwan Medical Design Association.
Department of Information Management, Chang Gung University, Taiwan)</i> |
| 12:30-14:00 | Lunch Break |
| 14:00-14:30 | Case Study
Topic : Advancing Pediatric Healthcare Using Markerless Motion Capture for Assessment, Monitoring, and Early Intervention (feat. RED PILL LAB)
Prof. Dr. Tsai-Hsuan Tsai
<i>(Vice President of the Taiwan Medical Design Association.
Director of the Master of Science Degree Program in Innovation for Smart Medicine, Chang Gung University, Taiwan.)</i> |
| 14:30-15:00 | Case Study
Topic : Enhancing ICOPE and Geriatric Wellness with Markerless Technologies: Vision, Voice, and Robotic Companions in Action (feat. NUWA Robotics)
Prof. Dr. Chien-Lung Hsu
<i>(President of the Taiwan Medical Design Association.
Department of Information Management, Chang Gung University, Taiwan.)</i> |
| 15:00-15:20 | Q&A / Forum Discussion
Prof. Dr. Yu-Cheng Pei
<i>(Vice President of the Taiwan Medical Design Association.
Director, Professor, and Attending Physician Department of Physical Medicine and Rehabilitation Chang Gung Memorial Hospital at Linkou/ Chang Gung University, Taiwan)</i> |
| 15:20-16:30 | Fostering Multidisciplinary Innovation through Design Thinking
Prof. Dr. Tsai-Hsuan Tsai
<i>(Vice President of the Taiwan Medical Design Association.
Director of the Master of Science Degree Program in Innovation for Smart Medicine, Chang Gung University, Taiwan.)</i> |
| 16:30-17:00 | Closing Remarks
Dr. Phei Ming Chern
<i>(Head, Clinical Research Centre, Hospital Rehabilitasi Cheras, Kuala Lumpur, Malaysia.)</i> |



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AUGUST
19 Tue

- | | |
|-------------|---|
| 08:30-09:00 | Registration |
| 09:00-09:30 | Topic : From Ideas to Impact:
Medical Device Innovation Pathway in Malaysia
<i>Dr Mohamad Hazwan Mohd Daut (Head of Life Sciences Department, MRANTI)</i> |
| 09:30-10:00 | Topic : Integrating Risk Management into the Medical Device
Design Process
<i>TBC on End of June</i> |
| 10:00-10:30 | Group Discussion |
| 10:30-11:00 | Refreshment break |
| 11:00-12:00 | Present your Innovations |
| 12:00-12:30 | Q&A / Forum Discussion |
| 12:30-14:00 | Closing Ceremony & Presentation of Token of Appreciation
<i>Dr Faizul Nizam Bin Abu Salim (Director Hospital Rehabilitasi Cheras.)</i> |
| 13:00-14:00 | Lunch Break & Adjourns |