

*Scientific Program*



**Mahidol University**  
Faculty of Medicine Ramathibodi Hospital

# RIAC 2023

Ramathibodi  
International  
Academic  
Conference

**Taking  
the Lead  
on  
Innovation  
and  
Future  
of  
Medicine**

**CME • CNEU Point**



**QR Floor Plan**

**20-22 September 2023**

**At Bangkok Marriott Marquis Queen's Park  
Bangkok, THAILAND**

# Welcome Message

Dear distinguished participants,

On behalf of the organizing committee of Ramathibodi International Academic Conference (RIAC) 2023, it is our honor and pleasure to welcome you to Ramathibodi annual scientific meeting. This meeting is holding at Bangkok Marriott Marquis Queen's Park, during Sep 20-22, 2023. RIAC 2023 scientific program extends to full three days with an additional pre-congress workshop on Sep 19, 2023. RIAC 2023 focuses on every medical specialty under the theme **"Taking the Lead on the Innovation and Future of Medicine"**

Top national/international experts are invited to lecture, demonstrate the latest innovative researches, and deliver updated knowledges as well as sharing their experiences and collaborations through a variety of plenary lectures, panel discussions and other activities in parallel sessions.

We would like to thank the Dean of the Faculty of Medicine Ramathibodi hospital, Mahidol University, and his administrative team, our team of Academics and Culture, Ramathibodi Hospital, as well as industrial and pharmaceutical companies for the great support.

Last but not least, we thank all participants of RIAC 2023 and do hope these experiences you gain from RIAC 2023 would contribute to your work and the future of Medicine.

**Sarikapan Wilailak, MD.**

Deputy Dean for Academic Affairs and Culture

## Organizing committee

1. Professor Sarikapan Wilailak, M.D.
2. Clinical Professor Nalinee Chongviriyaphan, M.D.
3. Professor Kittinut Kijvikal, M.D.
4. Professor Suporn Treepongkaruna, M.D.
5. Associate Professor Wisarn Worasuwannarak, M.D.
6. Assistant Professor Apisit Boongird, M.D.
7. Assistant Professor Warawut Sukkasem, M.D.

| Room<br>Time  | Thai Chitlada 1                                                                                                                                                                                                                                                                                                                                    | Thai Chitlada 2<br>Nursing Department                                                                                                                                           | Thai Chitlada 3<br>Ramathibodi School of<br>Nursing                                                    | Thai Chakkraphat 1 | Thai Chakkraphat 2 | Thai Chakkraphat 3 |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------|--------------------|--------------------|
| 08.00 – 08.40 | Registration                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                 |                                                                                                        |                    |                    |                    |
| 08.40 – 09.00 | Opening Remarks<br>Creating innovations: from idea to industry<br>Moderator:<br>Prof. Chagriya Kitiyakara, M.D.<br>Medical Innovations Development Center<br>(MIND), Faculty of Medicine, Ramathibodi<br>Hospital                                                                                                                                  |                                                                                                                                                                                 |                                                                                                        |                    |                    |                    |
| 09.00 – 10.00 | Advancements in Nursing: Transforming<br>Routine Practices to Commercial<br>Innovation*<br>Assoc. Prof. Dr. Natthacha<br>Chianmilkulchai, Ph.D.<br>Ramathibodi School of Nursing<br>Flying to the future with Tao Bin<br>Mr. Pongchai Anatanon<br>Chairman of Executive Committee,<br>Forth corporation PLC<br>Moderator: Atip Chaisuthipong, M.D. |                                                                                                                                                                                 |                                                                                                        |                    |                    |                    |
| 10.00 – 10.30 | Break                                                                                                                                                                                                                                                                                                                                              | Break                                                                                                                                                                           | Break                                                                                                  | Break              | Break              | Break              |
| 10.30 – 11.15 | How to manage work-life balance for the<br>great achievement?<br>Prof. Apichat Asavamongkolkul, M.D.,<br>Dean, Faculty of Medicine Siriraj Hospital,<br>Mahidol University                                                                                                                                                                         |                                                                                                                                                                                 |                                                                                                        |                    |                    |                    |
| 11.15 – 11.30 | Revolutionizing Transplantation:<br>Overcoming current challenges and<br>pioneering innovations<br>Assoc. Prof. Leonardo Riella, M.D. Ph.D.<br>Harvard Medical School, USA<br>Moderator: Prof. Dr. Atiporn Ingsathit,<br>M.D., Ph.D.                                                                                                               | 11.00-12.00<br>Wow!<br>A: Rama ET-Tube Intubation cart<br>B: Homemade valved holding<br>chambers airway for<br>hyperresponsiveness<br>Thitima Lekdee and<br>Kessanee Chalcoming | 11:15-12:00<br>Artificial Intelligence in<br>Healthcare<br>Dr. Somkiat Tangkitvanich,<br>Ph.D.<br>TDRI |                    |                    |                    |
| 11.30 – 12.00 |                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                 |                                                                                                        |                    |                    |                    |

| Room Time     | Thai Chitlada 1                                                                                                                                                                                                                                                                  | Thai Chitlada 2                                                                                                                                | Ramathibodi School of Nursing                                                                                                                                                                                                                                      | Thai Chitlada 3 | Thai Chakkraphat 1                                                                                                                                                                                         | Thai Chakkraphat 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Thai Chakkraphat 3                                                                                                                                                                                                                                                                                                                                                         |
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|               |                                                                                                                                                                                                                                                                                  | Nursing Department                                                                                                                             |                                                                                                                                                                                                                                                                    |                 |                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                            |
|               |                                                                                                                                                                                                                                                                                  |                                                                                                                                                |                                                                                                                                                                                                                                                                    |                 |                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                            |
| 12.00 – 13.00 | Lunch Symposium<br>How Does Everyday Life Harm your Eye Health?<br><i>Dr.Vanittorn Chokpaewong</i><br><i>Dr.Weerawan Chokthaveesak</i><br>นวฤทธิ์ วัฒนศิริพานิชย์ (นพ) จุฬาลงกรณ์มหาวิทยาลัย                                                                                     | Lunch                                                                                                                                          | Lunch                                                                                                                                                                                                                                                              | Lunch           | Lunch Symposium<br>Looking Toward the Future: Management of C.difficile Infection<br><i>Assoc.Prof.Porpon Rojanaporn</i><br><i>Assoc.Prof.Chirnakorn</i><br>ป.ศุภานพวัฒน์ศิริกุล (ศ) จุฬาลงกรณ์มหาวิทยาลัย | Lunch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Lunch                                                                                                                                                                                                                                                                                                                                                                      |
| 13.00 – 13.30 | Update Immunobiology in Transplantation<br>Unveiling the Immune Frontier: A Comprehensive Update on Immunobiology in transplantation<br><i>Assoc. Prof. Leonardo Riella, M.D. Ph.D. Harvard Medical School, USA</i><br><i>Moderator: Assoc.Prof.Surasak Kantachavesiri, M.D.</i> | Expanding home chemotherapy service to cancer networks<br><i>Suwannee Silerittrakul</i><br><i>Thilaree Kaewtalip</i><br><i>Viparuch phiwon</i> | 13.00-14.30<br>Sustainable financial planning and management<br><i>Chatchai Nawamongkhon</i><br><i>Senior District Manager, AIA Co., Ltd.</i>                                                                                                                      |                 | Rama VR perimetry and visual rehabilitation<br><i>Panitha Jindahra M.D.Ph.D. MRCP (UK)</i>                                                                                                                 | CEB data warehouse showcase: overview Cohort Development<br>1.Type-2 Diabetes Mellitus (T2D)<br>2.Chronic Kidney Disease (CKD)<br>3.Hypertension (HT)<br>4.Heart Failure (HF)<br>5.Atrial Fibrillation (AF)<br>Data Preprocessing: Imputation<br>Data Analysis: Multistate Model<br><i>Dr. Panu Loaresuwan, Ph.D.</i><br><i>Dr. Wanchana Ponthongmak, Ph.D.</i><br><i>Dr. Hlun Teza, B.D.S.</i><br><i>Dr. Choleid Ratanatharathorn, M.D.</i><br><i>Dr.Prut Saowapru, M.D.</i><br><i>Mr. Romen Samuel Wabina, M.Sc.</i><br><i>Moderator: Dr. Chaiyawat Suppasitp, M.D.</i> | Development of novel cervical pedicle screw<br><i>Assoc. Prof. Pongsthorn Chanplakorn, M.D.</i><br><i>Moderator: Asst.Prof.Chavarat Jarungvitayakon, M.D.</i><br>The role of cell and regenerative medicine in Orthobiologics; Ramathibodi experience<br><i>Assoc. Prof. Tulyapruetk Tawonsawatruk, M.D.</i><br><i>Moderator: Asst.Prof.Chavarat Jarungvitayakon, M.D.</i> |
| 13.30 – 14.00 | HLA eplet and the role in kidney transplantation<br><i>Assoc. Prof. Duangtawan Thammanichanond, M.D. Ph.D.</i><br><i>Moderator: Assoc.Prof.Surasak Kantachavesiri, M.D.</i>                                                                                                      |                                                                                                                                                |                                                                                                                                                                                                                                                                    |                 |                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                            |
| 14.00 – 14.30 | Role of viral-specific immune monitoring in kidney transplant recipients<br><i>Assoc. Prof. Jackrapong Bumthient M.D.</i><br><i>Moderator: Assoc.Prof.Surasak Kantachavesiri, M.D.</i>                                                                                           |                                                                                                                                                |                                                                                                                                                                                                                                                                    |                 |                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                            |
| 14.30 – 15.00 | Break                                                                                                                                                                                                                                                                            | Break                                                                                                                                          | Break                                                                                                                                                                                                                                                              | Break           | Break                                                                                                                                                                                                      | Break                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Break                                                                                                                                                                                                                                                                                                                                                                      |
| 15.00 – 15.30 | Advances in solid organ transplantation<br>Robotic assisted living donor hepatectomy<br><i>Prof. Gi Hong Choi, M.D.</i><br><i>Severance Hospital, Korea</i>                                                                                                                      | Decentralized medicine: Rama health space<br><i>Noppakan Wannakansophon</i>                                                                    | 15.00-16.00<br>Centers for Aging: Catalyzing Gerontological Research, Training, and Community Partnerships<br><i>Prof. Dr. Basia Beiza, Ph.D, RN, FAAN, FGSA</i><br><i>Assist.Prof. Dr. Inthira Roopsawang</i><br><i>Moderator: Assoc. Prof. Dr. Suparb Areeue</i> |                 | Safe sedation for non-anesthesiologists<br><i>Asst. Prof. Sasima Dusitkasem, M.D.</i>                                                                                                                      | Real world data analytics using machine learning<br><i>Dr. Anuchate Pattanateaporn, Ph.D.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                            |
| 15.30-16.00   | Update in end-stage heart failure. Who is ready for heart transplant?<br><i>Assoc. Prof. Teerapat Yingchoncharoen, M.D.</i><br><i>Moderator: Prof.Abhasnee Sobhonsilidsuk, M.D.</i><br><i>Asst.Prof.Nuttapon Apornsriyandkun, M.D.</i>                                           |                                                                                                                                                |                                                                                                                                                                                                                                                                    |                 | What are your brain vital signs?<br><i>Dr. Jeeranul Wanawananon, M.D.</i>                                                                                                                                  | Prediction models for Stroke in AF Patients<br>15.45-16.00<br><i>Dr. Anuchate Pattanateaporn, Ph.D.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <i>Dr.Pichaya Faramnuayphoi, M.D.</i><br><i>Moderator: Dr. Chaiyawat Suppasitp, M.D.</i>                                                                                                                                                                                                                                                                                   |

**Day 2** Thursday 21 September, 2023

| Room Time     | Thai Chitlada 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Thai Chitlada 2                                                                                                                                                                               | Thai Chitlada 3                                                                                                                                       | Thai Chakkraphat 1                                                                                                                                                                                                               | Thai Chakkraphat 2 | Thai Chakkraphat 3 |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------|
|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Nursing Department                                                                                                                                                                            | Ramathibodi School of Nursing                                                                                                                         |                                                                                                                                                                                                                                  |                    |                    |
| 08.00 – 09.00 | Registration                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                               |                                                                                                                                                       |                                                                                                                                                                                                                                  |                    |                    |
| 09.00 – 09.30 | <p>A New Frontier in Cancer Immunotherapy and COVID-19 Prevention in Thailand.</p> <p><i>Dr. Trailrak Pisitkun, M.D., Ph.D.</i></p> <p><i>Chief Medical Officer, Seckler Biosciences, Inc. USA</i></p> <p><i>Formerly Director of Center of Excellence in Systems Biology, Chulalongkorn University</i></p>                                                                                                                                                                           |                                                                                                                                                                                               |                                                                                                                                                       | <p>Mastering the symphony of allergic rhinitis and asthma management</p> <p><i>Asst. Prof. Wannada Laisuan, M.D.</i></p> <p><i>Asst. Prof. Kongsadam Tanjararak, M.D.</i></p> <p><i>Moderator: Dr.Navarat Tangbumrungham</i></p> |                    |                    |
| 09.30 – 10.00 | <p>Ramathibodi tumor biobank: where are we now?</p> <p><i>Assoc. Prof. Natini Jinawath, MD, Ph.D.</i></p>                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                               |                                                                                                                                                       | <p>Novel Antihistamine for Allergic Rhinitis and Urticaria</p> <p><i>Asst. Prof. Boonsam Roongpuvapaht, M.D.</i></p> <p><i>Dr. Pranee Sawetwilas, M.D.</i></p> <p><i>Moderator: Asst. Prof. Kongsadam Tanjararak</i></p>         |                    |                    |
| 10.00 – 10.30 | <p>Rajit Buri Memorial Lecture From Innovation to Entrepreneurship and Policy Advocacy</p> <p><i>Prof. Suradej Hongeng, M.D.</i></p> <p><i>Ramathibodi Medical Alumni, Class 17</i></p> <p><i>Professor of Pediatrics</i></p> <p><i>Assistant Dean of Research Affairs</i></p> <p><i>Chief of Pediatric Hematology</i></p> <p><i>Oncology and Bone Marrow Transplantation</i></p> <p><i>Department of Pediatrics Faculty of Medicine Ramathibodi Hospital Mahidol University.</i></p> | <p>Break</p>                                                                                                                                                                                  | Break                                                                                                                                                 | Break                                                                                                                                                                                                                            | Break              | Break              |
| 10.30 – 12.00 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <p>11.00-12.00 น.</p> <p>What's new in early mobilization for critical ill children and adult?</p> <p><i>Rujeeat Jaengsook,</i></p> <p><i>Tantana Supreeyattikul and Supatra Phaopant</i></p> | <p>Future trends in nursing education</p> <p><i>Assoc. Prof. Dr. Suchitra Luangamornlert, President of Thailand Nursing and Midwifery Council</i></p> |                                                                                                                                                                                                                                  |                    |                    |

# Day 2 Thursday 21 September, 2023

| Room Time     | Thai Chitlada 1                                                                                                                                                                                                                                                                                        |  | Thai Chitlada 2                                                                                                                                                                                                                                          |  | Thai Chakkraphat 1                                                                                                                                                                                                                                                                  |  | Thai Chakkraphat 2                                                                                                                                        |  | Thai Chakkraphat 3                                                                                                                                                                                                                                                                                                    |  |
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|               | Nursing Department                                                                                                                                                                                                                                                                                     |  | Ramathibodi School of Nursing                                                                                                                                                                                                                            |  | Lunch Symposium                                                                                                                                                                                                                                                                     |  | Lunch                                                                                                                                                     |  | Lunch                                                                                                                                                                                                                                                                                                                 |  |
| 12.00 – 13.00 | Lunch                                                                                                                                                                                                                                                                                                  |  | Lunch                                                                                                                                                                                                                                                    |  | Mythology & Modern Medicine<br><i>Dr.Pakorn Chandananattha</i><br>น.เบญจรัตน์-ร่วมจิตคิดอันดีด้วย ฤกษ์ดี                                                                                                                                                                            |  | Lunch                                                                                                                                                     |  | Lunch                                                                                                                                                                                                                                                                                                                 |  |
| 13.00 – 13.30 | Human-centric design for commercialization<br><br><i>Dr. Sarawut Lersapungsanti, Ph.D., MTEC</i>                                                                                                                                                                                                       |  | Stress of nursing staffs at emergency department in COVID-19 pandemic<br><br><i>Sirinart Loungnarin</i>                                                                                                                                                  |  | Updates in osteoporosis treatment: Osteoporosis and bone health in transgender and Current management of geriatric fracture<br><i>Asst. Prof. Sira Korpasarn, M.D.</i><br><i>Assoc. Prof.Paphon Sa-ngasongso, Ph.D.</i><br>Moderator: <i>Dr.Siripich Trianchaisri</i>               |  | Diagnosis prediction from discharge summary<br><br><i>Dr. Wanchana Ponthongmak, Ph.D.</i>                                                                 |  | Nanopore sequencing for single molecule detection (PCA3)<br><br><i>Asst. Prof. Nuankanya Sathirapongasuti, M.D., Ph.D.</i>                                                                                                                                                                                            |  |
| 13.30 – 14.00 | Current and Future Trend in Robotic Surgery;<br><br>13.30-13.50 Urology<br><i>Assoc. Prof. Wisoot Kongcharonsombai, M.D.</i><br><br>13.50-14.10 GI cancer<br><i>Assoc. Prof. Chairat Supsamulchai, M.D.</i><br><br>14.10-14.30 Hepatobiliary surgery<br><i>Asst. Prof. Pongsatorn Tangtaweew, M.D.</i> |  | Walk in Ratchathewi by Rama nurse<br><br><i>Phatcharakoraphot Sreeprasam</i>                                                                                                                                                                             |  | Navigating the Future: Unveiling the advancements in minimally invasive spine surgery<br><i>Dr. Withawin Kesornsak, M.D.</i><br>Moderator: <i>Dr. Boonyakiet Chuksataporn</i>                                                                                                       |  | Artificial Intelligence for EKG classification<br><br><i>Dr.Anuchate Pattanateepaporn, Ph.D.</i>                                                          |  | The future of genomic medicine<br><br><i>Asst. Prof. Donnaphat Dejsuphong, M.D., Ph.D.</i>                                                                                                                                                                                                                            |  |
| 14.00 – 14.30 |                                                                                                                                                                                                                                                                                                        |  | Innovation nursing organization<br><br><i>Assoc. Prof. Dr. Poolsuk Janapanisan Visudtibhan, Director of Ramathibodi school of nursing</i>                                                                                                                |  | Tips and tricks for GERD management in real life practice<br><br><i>Asst. Prof. Boonsam Roongpuwapaht, M.D.</i><br><i>Dr. Supphamat Chinnakorn, M.D.</i><br>Moderator: <i>Assoc. Prof. Darunee Chotprasitsakul</i>                                                                  |  | Artificial Intelligence for screening systematic review<br><br><i>Dr. Panu Loareesuwan, Ph.D.</i>                                                         |  | Model for studying pathogenesis and potential therapeutic strategies for retinoblastoma<br><br><i>Assoc. Prof. Rossukon Kaewkhaw, M.D., Ph.D.</i>                                                                                                                                                                     |  |
| 14.30 – 15.00 | Simulator training for central venous catheterization<br><br><i>Assoc. Prof. Piyawat Potracool, M.D.</i><br>Moderator: <i>Asst. Prof. Pongsatorn Tangtaweew, M.D.</i>                                                                                                                                  |  | Break                                                                                                                                                                                                                                                    |  | Break                                                                                                                                                                                                                                                                               |  | Break                                                                                                                                                     |  | Break                                                                                                                                                                                                                                                                                                                 |  |
| 15.00 – 15.30 |                                                                                                                                                                                                                                                                                                        |  | Nurse educator role: Preparing the next generation of nurses (Online)<br><br>15.00-16.00<br><br><i>Prof. Zeng Tiejing, Deputy Director of Nursing Department, Tongji Hospital, Tongji Medical College, Huazhong University of Science and Technology</i> |  | Moving toward multidisciplinary teamwork in cancer care<br><br><i>Assoc. Prof. Narongsak Rungsakulji, M.D.</i><br><i>Asst Prof. Porphan Wibulpolprasert, M.D., Dr. Thairatim Treestil, M.D.</i><br><i>Dr. Supphamat Chinnakorn, M.D., Moderator: Asst. Prof. Pimlip Sanvairinda</i> |  | Development of Thai interface terminology using SNOMED CT<br><br><i>Dr. Nait Tangchinnob, M.D.</i>                                                        |  | Establishment of drug discovery platforms in Thailand<br><br><i>Prof. Chatchai Muangprasat, M.D., Ph.D.</i>                                                                                                                                                                                                           |  |
| 15.30 – 16.00 | Digital twin surgery<br><br><i>Assoc. Prof. Sorayuth Churnanveji, M.D.</i><br>Moderator: <i>Asst. Prof. Pongsatorn Tangtaweew, M.D.</i>                                                                                                                                                                |  | Impact of venous thromboembolism (VTE) prevention in surgical setting<br><br><i>Chiraphi Soonthornkul na Choburi, Chulirat Sorpee and Chotip Gajaseni</i>                                                                                                |  |                                                                                                                                                                                                                                                                                     |  | Development of medical image retrieval system<br><br><i>Dr. Chanon Puttanawarut, Ph.D.</i><br>Moderator: <i>Asst. Prof. Dr. Sudaree Boonmanunt, Ph.D.</i> |  | Model for studying pathogenesis and potential therapeutic strategies for neurodegenerative Gaucher disease<br><br><i>Dr. Niti Asavapannamas, M.D., Ph.D.</i><br><i>Assoc. Prof. Thipwimol Tim-Aroon, MD, Ph.D.</i><br>15.40-16.00 Analysis of amyloid precursor protein<br><i>Dr. Rsat Pongchaisakul, M.D., Ph.D.</i> |  |

# Day 3

## Scientific Program **RIAC2023**

### Friday 22 September, 2023

| Room Time     | Thai Chitlada 1                                                                                                                                                                                       | Thai Chitlada 2                                                                                                |  | Thai Chitlada 3                                                                                                                     | Thai Chakkraphat 1 | Thai Chakkraphat 2                                                                                                                             |
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|               |                                                                                                                                                                                                       | Nursing Department                                                                                             |  | Ramathibodi School of Nursing                                                                                                       |                    |                                                                                                                                                |
| 08.00 – 09.00 | Registration                                                                                                                                                                                          |                                                                                                                |  |                                                                                                                                     |                    |                                                                                                                                                |
| 09.00 – 09.30 | Innovations for Disease-Specific Care: Lessons from a Medical Maverick on Turning Clinical Expertise into Real Impact<br><i>Asst. Prof. Parit Wongphaet, M.D., Managing Director of The TIMGI Ltd</i> |                                                                                                                |  |                                                                                                                                     |                    |                                                                                                                                                |
| 09.30 – 10.00 | The road to disease specific certification<br><i>Asst. Prof. Nutsiri Kittirapong, M.D.</i>                                                                                                            |                                                                                                                |  |                                                                                                                                     |                    |                                                                                                                                                |
| 10.00 – 10.30 | Break                                                                                                                                                                                                 | Break                                                                                                          |  | Break                                                                                                                               | Break              | Break                                                                                                                                          |
| 10.30 – 11.00 | Experience and future of VR medical education<br>Using VR for medical education and public engagement<br><i>Rapeephan Rattana Wongnara Maude, M.D., MSc, DTM&amp;H</i>                                |                                                                                                                |  | 10.30-11.30<br>Legal issue in nursing practice: Season change with digital health transformation<br><i>Prapatsorn Pongpanpisand</i> |                    | Nanopore sequencing for rapid diagnosis of intra-amniotic infection.<br><br><i>Dr. Waranyu Lertrui, M.D.</i>                                   |
| 11.00 – 11.30 | 11.00-11.20<br>The Use of 360-Virtual Reality Simulations in Nursing Education for Patient Safety<br><i>Asst.Prof. Pichaya Thongpo, RN,MS,IT Faculty of Medical Ramathibodi hospital</i>              | Nurses' role: ultrasonography-assisted peripheral IV<br><br><i>Wallapat Chankachorn and Rossarin Thuanchee</i> |  |                                                                                                                                     |                    | Placental derived exosome for the identification of Bart Hydrops fetus<br><i>Dr. Piya Chaemsathong, M.D., Ph.D.</i>                            |
| 11.30 – 12.00 | 11.20-11.50<br>Virtual Reality in medical education<br><i>Prof.Hiroake Mori, M.D. DTM&amp;H, Ph.D. Department of General Medicine, Juntendo University Faculty of Medicine, Japan</i>                 |                                                                                                                |  | 11.30-12.00<br>Ramathibodi Nurse Alumni's Meeting<br><i>Asst. Prof. Dr. Semsri Santati President of Ramathibodi Nurse Alumni</i>    |                    | Non invasive PGT-A by Next generation sequencing, is it consistent with the standard PGT-A?<br><i>Assoc. Prof. Matchuporn Sukprasert, M.D.</i> |

# Day 3

## Friday 22 September, 2023

| Room Time     | Thai Chitlada 1                                                                                                                                          | Thai Chitlada 2                                                                                                                                                                              |  | Thai Chitlada 3                                                                                                                                                                    |  | Thai Chakkrathat 1                                                                                                                                                                       | Thai Chakkrathat 2                                                                                           |
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|               |                                                                                                                                                          | Nursing Department                                                                                                                                                                           |  | Ramathibodi School of Nursing                                                                                                                                                      |  |                                                                                                                                                                                          |                                                                                                              |
| 12.00 – 13.00 | Lunch Symposium<br>Meet the needs- Optimizing COVID-19 treatment<br><i>Prof. Sasisopin Kiertiburanakul</i><br>น.ส.ปิ่นเกล้า (ปรีชาพรไพฑูริย์) จุฬาลงกรณ์ | Lunch                                                                                                                                                                                        |  | Lunch                                                                                                                                                                              |  | Lunch                                                                                                                                                                                    | Lunch                                                                                                        |
| 13.00 – 13.30 | Home chemotherapy<br><br><i>Dr. Phichai Chansriwong, M.D.</i>                                                                                            | Integrated care for older person in Ratchathewi district: Model for collaboration<br><br><i>Asst. Prof. Sirintorn Chansirikarnjana, M.D.,<br/>Tipanetr Ngamkala and<br/>Pittaya Sangkaew</i> |  | Graduate student forum<br><i>Assist. Prof. Dr. Apinya Sriplaiyakunkit</i><br><br><i>Deputy Director of Graduate Studies</i><br><i>Moderator: Assoc.Prof.Wanlana Maneesriwongul</i> |  | Diet innovation for patients with specialized nutrient requirement: An example diet management in inborn errors of metabolism<br><br><i>Asst. Prof. Dr.Oraporn Dumrongwongsiri, M.D.</i> | Ablation treatment in CIN<br><br><i>Asst. Prof. Suwicha Chittithaworn, M.D.</i>                              |
| 13.30 – 14.00 | Utilizing AI for muscle and nerve pathology<br><br><i>Assoc. Prof. Jariya Waisayarat, M.D.<br/>Chusak Thanawatitano, Ph.D.</i>                           |                                                                                                                                                                                              |  |                                                                                                                                                                                    |  | Cell and gene therapy in hematologic diseases<br><br><i>Assoc. Prof. Usanarat Anurathapan, M.D.</i>                                                                                      | Unprecedented remedies for stress urinary incontinence<br><br><i>Assoc. Prof. Orawee Chintthakanan, M.D.</i> |
| 14.00 – 14.30 | Stool DNA methylation assay: non-invasive colorectal cancer screening<br><br><i>Assoc. Prof. Takol Chareonsirisuthigul, M.D., Ph.D.</i>                  |                                                                                                                                                                                              |  |                                                                                                                                                                                    |  | Effect of 635 nm Light-Emitting-Diode Irradiation Induce PDA Constriction<br><br><i>Tienake Trisauvapak, M.D.</i>                                                                        |                                                                                                              |
| 14.30 – 15.00 | Closing                                                                                                                                                  |                                                                                                                                                                                              |  |                                                                                                                                                                                    |  |                                                                                                                                                                                          |                                                                                                              |

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