



**Asia-Pacific
Economic Cooperation**



Health Promotion Administration,
Ministry of Health and Welfare

**EMPOWERING
THE NEXT GENERATION -
INVESTMENT IN PREVENTABLE INFANT DEATHS
BY A HEALTHY START — March 27, 2024, Taipei**



EMPOWERING THE NEXT GENERATION - INVESTMENT IN PREVENTABLE INFANT DEATHS BY A HEALTHY START

March 27, 2024, Taipei



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INTRODUCTION

Thank you for attending the “2024 APEC Conference on Empowering the Next Generation: Investment in Preventable Infant Deaths by a Healthy Start”.

The UN Sustainable Development Goals (SDGs – 3.1 & 3.2) expect the neonatal mortality rate will drop to below 12‰ and the mortality rate of children under 5 years old will drop to below 25‰ by 2030. According to the UNICEF global health statistics in 2018, the neonatal and infant mortality rates in APEC economies have shown a downward trend. However, there is a considerable discrepancy among economies, ranging from over 30‰ to below 2‰ and we believe there is still room for improvement.

To keep decreasing infant mortality, it is crucial to encourage all APEC economies to invest and develop effective strategies, therefore, this conference established a platform for APEC member economies and all participants to exchange their experiences and learn from successful practices of strategies between public authorities, industry, and academia. The focus will be on the care and development of children with severe disorders and investment in strategies for reducing preventable infant deaths. The conference will comprise speeches and panel discussions, which will be introduced and shared by experts from the public and private sectors.

Lastly, we believe that your participation will bring out a charmed and fruitful outcome to this APEC-approved project. Once again, thank you for participating in this important event.

CONFERENCE INFORMATION

Date

March 27, 2024 (GMT+8)

Physical Venue

Howard Civil Service International House

Address: No.30, Section 3, Hsinsheng South Road, Daan Dist, Taipei

Free Wifi

Username: APEC

Password: 20240327



Website



Evaluation Survey

Organizer

Health Promotion Administration, Ministry of Health and Welfare, Chinese Taipei

RULES AND REGULATIONS

Q&A for In-person Participants

All participants who would like to raise Q&A shall identify themselves clearly by stating their name, affiliated institution, and job title before presenting their comments or questions.

Intellectual Property Rights

Please respect the intellectual property rights of all presenters and do not take pictures of the screen during their presentation. To collect or cite, please ask the conference secretariat for the availability of presentation materials.

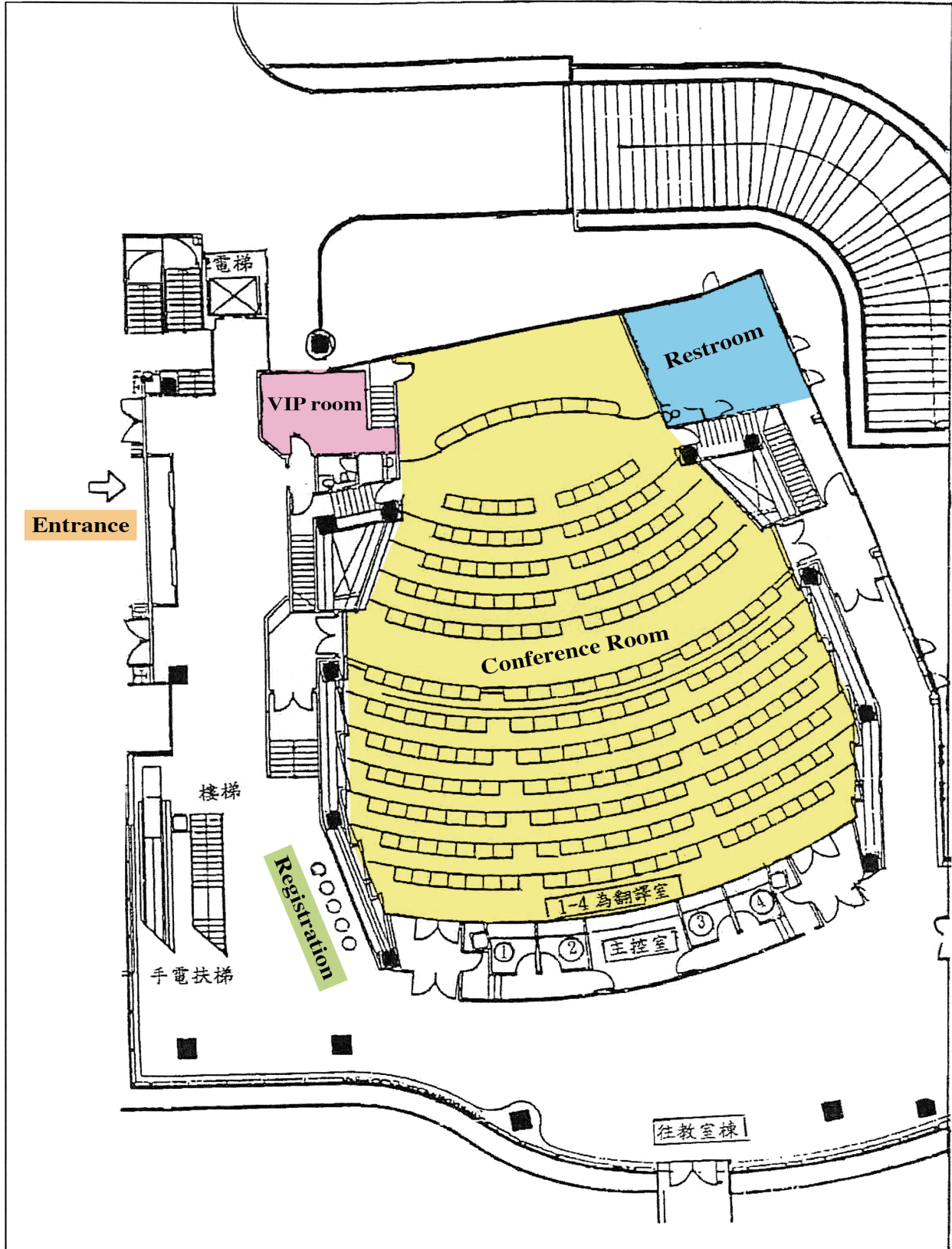
Catering

Coffee break and lunch box will be served outside of the meeting room.

Mobile

Please note that mobile phone must be switched to vibration mode during all sessions.

FLOOR PLAN



AGENDA

Time: 2024.3.27 (Wed) 8:30-16:20

Venue: 1F Conference Room, Howard Civil Service International House, Taipei

TIME	TOPICS	SPEAKERS
8:30 - 9:00 (30 min)	Registration	
09:00 - 09:10 (10 min)	Opening Remarks	Dr. Jui-Yuan Hsueh, Minister, Ministry of Health and Welfare, Chinese Taipei
09:10 - 09:30 (20 min)	Group Photo	
09:30 - 10:00 (30 min)	Keynote Speech Solutions for Minimizing Preventable Infant Deaths: Quality Improvement for Perinatal Care	Prof. Henry C. Lee, Professor, Clinical Pediatrics, University of California San Diego, the United States
10:00 - 10:20 (20 min)	Coffee Break	
Plenary 1: Care and Development of Children with Severe Disorders: Current Practices and Future Planning		
10:20 - 10:25 (5 min)	Host: Dr. Yueh-Ping Liu, Director-General, Department of Medical Affairs, Ministry of Health and Welfare, Chinese Taipei	
10:25 - 10:55 (30 min)	Advancements and Future Directions in Pediatric Critical Care	Prof. Vinay Nadkarni, President, the Society of Critical Care Medicine (SCCM) Past Board Member, the World Federation of Pediatric Intensive and Critical Care Societies (WFPICCS), the United States
10:55 - 11:10 (15 min)	Advancements and Future Directions in Pediatric Critical Care: Taiwan Perspectives	Prof. Mei-Hwan Wu, Distinguished Professor, National Taiwan University Children's Hospital/ College of Medicine, National Taiwan University, Chinese Taipei

11:10 - 11:40 (30 min)	Experiences and Future Planning in Neonatal and Pediatric Critical Care Transport	Dr. Marko Culjat, Associate Director for Neonatal Transport, Acute Care Transport Service (ACTS), The Hospital for Sick Children, Toronto, Canada
11:40 - 11:55 (15 min)	Experiences and Future Planning in Pediatric Critical Care Transport	Prof. Po-Nien Tsao, Professor, Department of Pediatrics, National Taiwan University Children's Hospital, Chinese Taipei
11:55 - 12:00 (5 min)	Discussion	
12:00 - 13:10 (70 min)	Lunch	
Plenary 2: Investment in Strategies for Reducing Preventable Infant Deaths: Improvement of Care and Follow-up for Preterm Infants		
13:10 - 13:15 (5 min)	Host: Prof. Hung-Yi Chiou, Distinguished Investigator and Director, Institute of Population Health Sciences, National Health Research Institutes, Chinese Taipei	
13:15 - 13:35 (20 min)	From Mortality to Morbidity in Japan	Dr. Hakuyo Ebara, Director, Ebara Children's Clinic, Japan
13:35 - 13:55 (20 min)	Experience of Care and Follow-up for Preterm Infants in Thailand	Dr. Chatchay Prempunpong, Assistant Professor, Department of Pediatrics, Faculty of Medicine Ramathibodi Hospital, Mahidol University, Bangkok, Thailand
13:55 - 14:15 (20 min)	The Role for Non-Governmental Organization in Preterm Infant Follow-up	Dr. Jui-Hsing Chang, Chairperson, Premature Baby Foundation of Taiwan, Chinese Taipei
14:15 - 14:35 (20 min)	Home Visit and Follow-up for Low and Very Low Birth Weight Preterm Infants	Dr. Ming-Chou Chiang, Director, Division of Neonatology, Department of Pediatrics, Chang Gung Memorial Hospital, Chinese Taipei
14:35 - 14:50 (15 min)	Discussion	

14:50 - 15:10
(20 min)

Coffee Break

Panel Discussion: Experience Sharing Among APEC Economies

Hosts:

Prof. Tung-liang Chiang,

Professor, College of Public Health, National Taiwan University, Chinese Taipei

Prof. Tsung-Hsueh Lu,

Professor, Department of Public Health, College of Medicine, National Chen Kung University, Chinese Taipei

15:10 - 16:10
(60 min)

1. Current Infant Mortality Rates, Analysis, Progress, and Strategies for Reducing Preventable Infant Mortality in APEC Economies
2. Enhancing Child Health and Healthcare Service Coverage, Monitoring Service Quality Across APEC Economies
3. Experience Sharing on How APEC Economies Utilize Smart Technology to Improve Efficiency in Perinatal Health Care Services
4. Persuading APEC Economies to Strengthen Investment in the Child Health Industry

Panelists:

1. From APEC economies

(1) Dr. Hakuyo Ebara,

Director, Ebara Children's Clinic,
Japan

(2) Dr. Olarik Musigavong,

Reproductive Endocrinologist,
Chaophraya Abhaibhubejhr
Hospital, Thailand

(3) Ms. Abigail R. Montederamos,

Nurse IV, Disease Prevention and
Control Bureau, Department of
Health, the Philippines

(4) Dr. Aina Mariana Binti Abdul Manaf,

Consultant Pediatrician, Ministry
of Health, Malaysia

2. From Chinese Taipei

(5) Dr. Reyin Lien,

Executive Director, Taiwan Society
of Neonatology, Chinese Taipei

(6) Dr. Jian-Pei Huang,

Secretary General, Taiwan
Association of Obstetrics and
Gynecology (TAOG), Chinese
Taipei

Discussion

16:10 - 16:20
(10 min)

Closing Remarks

Dr. Jih-Haw Chou,

Deputy Minister, Ministry of Health
and Welfare, Chinese Taipei

OPENING REMARKS

Jui-Yuan Hsueh, M.D., LL.M.

- Minister, Ministry of Health and Welfare, Chinese Taipei



EMPLOYMENT

- 2020.08 - 2022.07 Deputy Minister, Ministry of Health and Welfare
- 2017.08 - 2020.07 Vice Minister, Ministry of Health and Welfare
- 2015.02 - 2017.07 Director, Public Health Bureau, Pingtung County Government
- 2008.07 - 2015.01 Deputy Superintendent, Taipei Medical University Shuang Ho Hospital, Ministry of Health and Welfare
- 2004.03 - 2008.05 Director-General, Bureau of Medical Affairs, Department of Health, Executive Yuan
- 2003.04 - 2004.03 Deputy Director-General, Bureau of Medical Affairs, Department of Health, Executive Yuan
- 2002.04 - 2003.04 Senior Secretary, Bureau of Medical Affairs, Department of Health, Executive Yuan

EDUCATION

- 1997.09 - 2001.01 Master of Laws, National Taiwan University
- 1993.09 - 1997.06 Bachelor of Laws, National Taiwan University
- 1973.09 - 1980.06 Doctor of Medicine, Taipei Medical University



KEYNOTE SPEECH

SPEAKER

Prof. Henry C. Lee

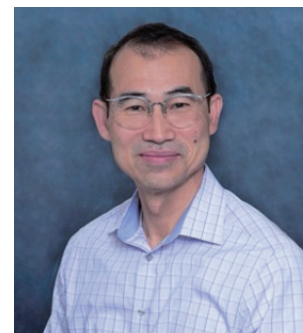
Professor, Clinical Pediatrics, University of California San Diego,
the United States



SPEAKER

Henry C. Lee

- Professor of Clinical Pediatrics, University of California San Diego, the United States



EMPLOYMENT

- **2022 -** Professor of Clinical Pediatrics, University of California San Diego Clinical Director, UCSD Neonatology
- **2021 - 2022** Professor of Pediatrics, Stanford University
- **2013 - 2021** Assistant / Associate Professor of Pediatrics, Stanford University
- **2017 - 2022** Chief Medical Officer, California Perinatal Quality Care Collaborative
- **2008 - 2012** Assistant Clinical Professor, University of California San Francisco

EDUCATION

- **2007** Fellowship, Neonatal-Perinatal Medicine, Stanford University
- **2006** MS, Epidemiology, Stanford University
- **2002** Residency, Pediatrics, Stanford University
- **1999** MD, University of Illinois at Chicago

BIOGRAPHY

Received clinical training in pediatrics and neonatology at Stanford University and further research training in epidemiology and health services research at Stanford and UCSF. Has been involved with implementation and evaluation of quality improvement in maternal and newborn care through the California Perinatal Quality Care Collaborative, on various committees and administrative positions. Currently serves as Clinical and Medical Director at UCSD NICUs and Professor at UCSD and Rady Children's Hospital. Involved in neonatal resuscitation serving as co-chair of the American Heart Association / American Academy of Pediatrics guideline writing group for neonatal resuscitation, and is on the task force for the International Liaison Committee on Resuscitation Neonatal Life Support.

Solutions for Minimizing Preventable Infant Deaths: Quality Improvement for Perinatal Care

Henry Lee, MD

Professor of Clinical Pediatrics, University of California San Diego, the United States

Although much progress has been made worldwide, opportunities remain for continued work in order to address infant mortality. Preterm birth and neonatal mortality are important contributors to potentially preventable deaths, as well as both short- and long-term morbidity. The California Perinatal Quality Care Collaborative (CPQCC) has worked on addressing this population as well as advancing equitable care across a population for the past twenty years. The CPQCC consists of more than 130 neonatal intensive care units, including both academic and community hospitals, birthing hospitals and children's hospitals. Lessons learned include collecting and reporting data for tracking trends and finding best performing organizations and learning through collaborative quality improvement.

PLENARY 1

Care and Development of Children with Severe Disorders: Current Practices and Future Planning

HOST

Dr. Yueh-Ping Liu

Director-General, Department of Medical Affairs, Ministry of Health and Welfare, Chinese Taipei

SPEAKER

Prof. Vinay Nadkarni

President, the Society of Critical Care Medicine (SCCM)
Past Board Member, the World Federation of Pediatric Intensive and Critical Care Societies (WFPICCS), the United States

Prof. Mei-Hwan Wu

Distinguished Professor, National Taiwan University Children's Hospital/ College of Medicine, National Taiwan University, Chinese Taipei

Dr. Marko Culjat

Associate Director for Neonatal Transport, Acute Care Transport Service (ACTS), The Hospital for Sick Children, Toronto, Canada

Prof. Po-Nien Tsao

Professor, Department of Pediatrics, National Taiwan University Children's Hospital, Chinese Taipei



HOST

Yueh-Ping Liu

- Director-General, Department of Medical Affairs, Ministry of Health and Welfare, Chinese Taipei



EMPLOYMENT

- **2017 - 2020** Senior Technical Specialist, Department of Medical Affairs, Ministry of Health and Welfare
- **2011 - 2014** Deputy Secretary General, Taiwan Medical Association

EDUCATION

- **2015 - 2017** LLM, Ming Chuan University
- **1992 - 1999** M.D., Graduated from National Taiwan University

BIOGRAPHY

I graduated from National Taiwan University with a bachelor degree in Medicine, and Ming Chuan University with a master degree in Law. I am one of the few physicians to have completed double specialty training in emergency and pediatric cardiology. Previously served as the attending physician at the emergency department of National Taiwan University Hospital, deputy executive officer of Taipei Emergency Operation Center, chairperson of the Children's Emergency Committee of the Taiwan Emergency Medicine Association, deputy secretary-general of the Taiwan Medical Association, division chief of the Taipei City Government Health department, and senior specialist of the Department of Medical Affairs of the Ministry of Health and Welfare, etc. I'm known as the important bridge between medical industry and medical government affairs.

SPEAKER

Vinay Nadkarni

- Professor, Anesthesiology, Critical Care and Pediatrics
The Children’s Hospital of Philadelphia
University of Pennsylvania School of Medicine
Philadelphia, USA



EMPLOYMENT

- **2001 -** University of Pennsylvania Perelman School of Medicine, Children’s Hospital of Philadelphia
- **1995 - 2001** Nemours Foundation, AI DuPont Hospital for Children, Thomas Jefferson University School of Medicine, Philadelphia, USA
- **1990 - 1995** Christiana Hospital, Wilmington, Delaware, USA

EDUCATION

- **1984** MD, University of Maryland School of Medicine
- **1980** MS, Georgetown University
- **1979** BS, Duke University

BIOGRAPHY

Vinay Nadkarni MD, MS is a Professor, Children’s Hospital of Philadelphia (CHOP), Departments of Anesthesiology, Critical Care, and Pediatrics, University of Pennsylvania Perelman School of Medicine. President of the Society of Critical Care Medicine 2023. Founding director for the CHOP Academy for Resuscitation of Children, Center for Pediatric Resuscitation and the CHOP Center for Simulation, Advanced Education and Innovation. Authored more than 750 peer-reviewed manuscripts and 35 book chapters and mentored more than 140 postdoctoral fellows and physician-scientists in the field of resuscitation science, emergency and critical care.

With leadership positions in the Society of Critical Care Medicine, American Heart Association, International Liaison Committee on Resuscitation (ILCOR), and World Federation of Pediatric Intensive and Critical Care Societies (WFPICCS) he has helped to lead evidence-based creation, deployment, implementation and assessment of impact of contextualized training programs in North America, South America, Europe, Asia, Africa, and Oceania. The SCCM Surviving Sepsis Campaign has a 25 year impactful history and new initiatives to expand to embrace low and resource limited settings. New initiatives with the WHO Acute Care Action Network (ACAN) and Emergency, Critical Care, and Operations (ECO) programs is creating opportunities for us to build, leverage, and contextualize programmatic support for international dissemination and impact.

Advancements and Future Directions in Pediatric Critical Care

Vinay Nadkarni MD, MS

Professor, Anesthesiology, Critical Care and Pediatrics

The Children's Hospital of Philadelphia

University of Pennsylvania Perelman School of Medicine, Philadelphia, USA

The changing global landscape of communicable and non-communicable disease in infants and children, and the increasing disparity between resource-rich and resource-poor environments will be acknowledged and summarized. Drawing upon experience and evidence accumulated as the President of the Society of Critical Care Medicine, founding director for the CHOP Academy for Resuscitation of Children and CHOP Center for Simulation, Advanced Education and Innovation, and leadership positions in the Society of Critical Care Medicine, American Heart Association, International Liaison Committee on Resuscitation (ILCOR), and World Federation of Pediatric Intensive and Critical Care Societies (WFPICCS), Dr Nadkarni will identify key Pediatric Critical Care advances and breakthroughs from the past and present that enable opportunities for the future. Integration with new initiatives of the WHO Acute Care Action Network (ACAN) and Emergency, Critical Care, and Operations (ECO) program will be discussed, creating opportunities for Taiwan to build, leverage, and contextualize programmatic support for international dissemination and impact.

SPEAKER

Mei-Hwan Wu

- Distinguished Professor, National Taiwan University Children’s Hospital/ College of Medicine, National Taiwan University



EMPLOYMENT

- **2008 -** Distinguished Professor, National Taiwan University, College of Medicine, Taipei
- **1997 -** Professor, National Taiwan University, College of Medicine, Taipei
- **2014 - 2020** Superintendent, National Taiwan University Children’s Hospital
- **2012 - 2014** President, Asia-Pacific Pediatric Cardiac Society
- **2011 - 2014** President, Taiwan Pediatric Association
- **2005 - 2012** President, Taiwan Society of Pediatric Cardiology

EDUCATION

- **2010 - 2012** EMBA, National Taiwan University, College of Management, Taipei
- **1986 - 1992** Ph.D. National Taiwan University, College of Medicine, Institute of Clinical Medicine, Taipei
- **1983 - 1985** Fellowship, Pediatric Cardiology, National Taiwan University Hospital, Taipei
- **1980 - 1983** Resident, Pediatrics, National Taiwan University Hospital, Taipei
- **1973 - 1980** M.D., National Taiwan University, College of Medicine, Taipei

BIOGRAPHY

Dr. Mei-Hwan Wu is an expert in the cardiac electrophysiology, from cellular to cardiac catheterization theater. She is a pioneer in pediatric transcatheter arrhythmia therapy. Besides, her research foci cover widely the spectrum of arrhythmia, congenital heart disease and acquired heart disease in children.

Her research interests include:

- Arrhythmias in the pediatric population: t unique mechanism in complex CHD, the mechanisms (particularly the such as AV node-to-AV node tachycardia), the treatments, the ablation techniques and novel therapy.
- Basic cardiac electrophysiology: cellular electrophysiology, including the maturation of cardiac ionic channels and the age-related difference of pharmacological reaction, as well as the mechanistic study for new drugs.
- Genetic alteration underlying the hereditary cardiac diseases.
- Epidemiology study for the pediatric and congenital heart diseases.
- System dynamic modeling for medical economic analysis.

Dr. Mei-Hwan Wu is also dedicated to promote the health care for children. She had been the President of Asia-Pacific Pediatric Cardiology Society from 2012 to 2014, the President of Taiwan Society of Pediatric Society from 2005 to 2012, the President of Taiwan Pediatric Association from 2011 to 2014, and the Superintendent of National Taiwan University Children's Hospital from 2014 to 2020.

Because of her contribution to child health care and health care education, Dr. Wu had been awarded as Outstanding Asian Pediatrician Award, Ministry of Health and Welfare, Professional Award, the Excellent Teacher Award (Taiwan Education Administration), National Taiwan University outstanding teacher award, Taiwan Pediatric Award Medical Education Contribution Award, Taiwan Pediatric Association Award, Outstanding Professor Award (Far Eastern Y.Z. Hsu Science and Technology Memorial Foundation) and North American Alumni Association, Nong-Ting Award and Chin-Hsin Award.

Advancements and Future Directions in Pediatric Critical Care: Taiwan Perspectives

Mei-Hwan Wu, MD, Ph.D.

Department of Cardiology,
National Taiwan University Children's Hospital, Chinese Taipei

The landscape of pediatric healthcare is multifaceted, encompassing six key elements: acute illness, perpetual illness, complex perpetual illness, critical illness, illness with an unknown diagnosis, and health care promotion. Health care promotion holds universal importance and should be provided for every child, irrespective of their baseline health status.

In addressing pediatric illnesses, it is noteworthy that while most cases involve acute and perpetual illnesses, the specialized care required for complex perpetual illnesses (e.g., cancer, complex congenital heart disease, major GI/biliary disease, nervous system disease, etc.) and critical illnesses (e.g., fulminant myocarditis, extreme prematurity, major trauma, etc.) demands the expertise of highly trained teams proficient in complicated procedures and sophisticated periprocedural care.

Effectively optimizing care for these patients necessitates centralization and streamlined transfer processes. Pediatric medical centers with a broad spectrum of specialties teams have demonstrated the effectiveness of incorporating precision/genomic medicine into the management of critical illnesses. It's important to note that genotype interpretation can only be prompted by a precise description of the patient's phenotype.

The pediatric health care policy, especially in the era of low birth rate tsunami, should consider consolidating the healthcare networking that is sustainable in the umbrella of nationwide health insurance. The policy plan should avoid market-driven dynamics, ensuring adequate resource allocation for the maintenance of medical professionals and advancements. Such an approach aims to create a healthcare system where severe pediatric patients can receive treatments in a supportive and accessible environment, addressing the challenges posed by a dynamic healthcare landscape.

Children are our future. 孩子健康，看到希望！

SPEAKER

Marko Culjat, MD PhD

- Associate Director for Neonatal Transport, Acute Care Transport Service; Director of Neonatal POCUS
The Hospital for Sick Children, Toronto, Canada



EMPLOYMENT

- **2022 -** Assistant Professor of Pediatrics, Temerty Faculty of Medicine, University of Toronto, Toronto, Ontario, Canada
- **2022 -** Staff Physician, Department of Paediatrics, Division of Neonatology, The Hospital for Sick Children, Toronto, Ontario, Canada
- **2005 - 2013** Research & Teaching Assistant, Croatian Institute for Brain Research, University of Zagreb School of Medicine, Zagreb, Croatia (Field: Basic Neuroscience)

EDUCATION

- **2019 - 2021** Clinical and Chief Fellow, Acute Care Transport Service, The Hospital for Sick Children, Division of Neonatology, Toronto, Ontario, Canada
- **2016 - 2019** Neonatal-Perinatal Fellow, MedStar Georgetown University Hospital, Washington, D.C., USA
- **2013 - 2016** Pediatric Resident, Kapi'olani Medical Center for Women and Children, Hawai'i Residency Programs, Honolulu, Hawai'i, USA
- **2010 - 2011** Research Scholar, University of Illinois at Urbana-Champaign, Urbana-Champaign, Illinois, United States of America (Field: Electron microscopy of developing brain)
- **2005 - 2012** Doctor of Philosophy in Neuroscience, Croatian Institute for Brain Research, University of Zagreb School of Medicine, Zagreb, Croatia
- **1998 - 2004** Doctor of Medicine, University of Zagreb School of Medicine, Zagreb, Croatia

BIOGRAPHY

Dr. Marko Culjat joined The Hospital for Sick Children (SickKids) as a staff neonatologist and Associate Medical Director for Neonatal Transport for Acute Care Transport Service (ACTS) in 2022. He is the Director of Neonatal Point-of-care Ultrasound in the Division of Neonatology at SickKids.

Dr. Culjat was a transport fellow in ACTS, and Junior Staff in the NICU at SickKids. Prior to joining SickKids, he completed his neonatal-perinatal fellowship at MedStar Georgetown University Hospital in Washington D.C., and his paediatric residency at Kapi'olani Medical Center in Honolulu, Hawai'i. Dr. Culjat was a research and teaching assistant at the Croatian Institute for Brain Research. He graduated from the School of Medicine, University of Zagreb, Croatia. Dr.

Culjat obtained his MSc degree in Quality Improvement and Patient Safety from Dalla Lana School of Public Health at University of Toronto. He obtained his PhD in Neuroscience from the Croatian Institute for Brain Research, University of Zagreb, with a focus on normal human fetal brain development.

Dr. Culjat's current interests lie in quality improvement science, with a focus on transport and NICU settings. His portfolios include the establishment of point-of-care ultrasound program and implementation of telemedicine solutions at the local and provincial levels.

Experiences and Future Planning in Neonatal and Pediatric Critical Care Transport

Marko Culjat

Associate Director for Neonatal Transport, Acute Care Transport Service

Director of Neonatal POCUS

The Hospital for Sick Children, Toronto, Canada

The presentation will use the example of the Acute Care Transport Service team to discuss the transformation from an exclusively neonatal to a neonatal-paediatric transport team, transporting patients from 0 to 18 years old. We will discuss the elements our team focused on during this expansion, including identifying the key differences between neonatal and paediatric diagnosis and how they are related to education and skill development. We will touch on how novel technologies, such as telemedicine, can impact the delivery of patient care and disposition, and whether they can be leveraged in teams expanding their mandates from neonatal to paediatric medical transports.

SPEAKER

Po-Nien Tsao

- Professor, Department of Pediatrics,
 Director, Division of Neonatology
 National Taiwan University Hospital / National Taiwan
 University, Chinese Taipei



EMPLOYMENT

- **2018 -** Director, Pediatric Transport Program, National Taiwan University Hospital
- **2017 -** Director, Division of Neonatology, National Taiwan University Hospital
- **2017 -** Professor, Department of Pediatrics, National Taiwan University Hospital
- **2016 - 2019** Vice Chairman, Research Center for Developmental Biology & Regenerative Medicine, National Taiwan University
- **2012 - 2017** Clinical Associate Professor, Department of Pediatrics, National Taiwan University Hospital

EDUCATION

- **2006 - 2008** Postdoctoral Research Training, Pulmonary Center Boston University School of Medicine, Boston, U.S.A
- **2000 - 2004** Ph.D., Graduate Institute of Clinical Medicine, National Taiwan University, Taipei
- **1985 - 1992** M.D., College of Medicine, Chung-Shan Medical University, Taichung

BIOGRAPHY

After graduating, Dr. Po-Nien Tsao entered National Taiwan University Hospital and underwent training as a pediatric resident, specializing further in neonatology. With over 30 years of experience in caring for neonates, my expertise lies in respiratory therapy and complications of preterm infants. And I have been serving as the Director of Division of Neonatology since February 2017 until present. Leveraging our extensive experience with transportation of high-risk neonates and preterm infants, I, under the leadership of Dean Wu, established the Pediatric Critical Care Transfer Team at National Taiwan University Children's Hospital in September 2018. Serving as the team coordinator, we expanded our neonatal transfer services to become the nation's sole team offering comprehensive pediatric transfer services for children of all ages at that time. In addition, we have been actively engaged in international affairs since 2019, undertaking the 'Project for Promotion of Medical Technology for Improvement of Maternal-Neonatal Health in Guatemala' sponsored by the International Cooperation and Development Fund. Through this initiative, we have introduced essential equipment and conducted training for pediatric physicians from Guatemala in our NICU. Our primary objective is to diminish the neonatal mortality rate in the country, and there are already preliminary positive outcomes.

Experiences and Future Planning in Pediatric Critical Care Transport

Po-Nien Tsao, M.D., Ph.D

Professor, Department of Pediatrics, Director, Division of Neonatology

Director of Pediatric Transport Program

National Taiwan University Hospital, Chinese Taipei

Facing a declining birth rate, Taiwan grapples with persistently high mortality rates for high risk newborns and critically ill children. However, neonatal and pediatric critical care is often overlooked. Children's healthcare not only experiences disparities between urban and rural areas but remains disadvantaged even in resource-rich cities. Addressing this, National Taiwan University Children's Hospital (NTUCH) initiated the "Children of all ages" Pediatric Critical Transport Team in 2019. Regardless of age or geographic location, the team is committed to providing equal healthcare for children. We established a "Mobile Pediatric Intensive Care Unit" with specialized pediatric healthcare professionals and mobile medical equipment. In recent years, real-time video consultations were introduced, enabling senior physicians to assess patients online for optimal response. To date, we have referred more than 2000 children, completing 650 pediatric transport missions, extending the services of National Taiwan University Children's Hospital nationwide.

Our team collaborates vertically with clinics and regional hospitals to develop referral plans. Additionally, they connect horizontally with other medical centers, organizing lectures and training courses, promoting pediatric critical care transport, reaching over 1000 participants. Our team's efforts were recognized with the 9th Taiwan Pediatric Medical Contribution Award - Medical Team Award from Raising Children Medical Foundation and the Gold Award at the 6th PwC's Sustainability Impact Award in 2022.

The Ministry of Health and Welfare, Taiwan has been promoting the " Program for Excellence in Child Health Care" since the year 2021. Based on the care needs and resources for children of all ages, a three-tiered children's healthcare network is established and deployed in a graded and zonal manner. Expanding the experience of the NTUCH Pediatric Critical Care Transfer Team to total three hospitals. We hope to enhance the quality of care for children with critical illnesses through the establishment and collaboration of networks and transfer teams across Taiwan, ensuring the healthy growth of the next generation.

PLENARY 2

Investment in Strategies for Reducing Preventable Infant Deaths: Improvement of Care and Follow-up for Preterm Infants

HOST

Prof. Hung-Yi Chiou

Distinguished Investigator and Director, Institute of Population Health Sciences, National Health Research Institutes, Chinese Taipei

SPEAKER

Dr. Hakuyo Ebara

Director, Ebara Children's Clinic, Japan

Dr. Chatchay Prempunpong

Assistant Professor, Department of Pediatrics, Faculty of Medicine Ramathibodi Hospital, Mahidol University, Bangkok, Thailand

Dr. Jui-Hsing Chang

Chairperson, Premature Baby Foundation of Taiwan, Chinese Taipei

Dr. Ming-Chou Chiang

Director, Division of Neonatology, Department of Pediatrics, Chang Gung Memorial Hospital, Chinese Taipei



HOST

Hung-Yi Chiou, Ph.D.

- Distinguished Investigator and Director,
Institute of Population Health Sciences, National Health
Research Institutes, Chinese Taipei



EMPLOYMENT

- 2024 - President-elect, APACPH, Asia-Pacific Academic Consortium for Public Health
- 2020 - Distinguished Investigator and Director, Institute of Population Health Sciences, National Health Research Institutes
- 2020 - Board Director, International Cooperation and Development Fund ICDF
- 2019 - Supervisor, Taiwan Public Health Association
- 2017 - 2023 Finance Vice President, APACPH, Asia-Pacific Academic Consortium for Public Health
- 2017 - Distinguished Professor, Master program in Applied Molecular Epidemiology, Taipei Medical University
- 2017 - President, Taiwan Society for Development of Long-Term Care and Senior Health Management

EDUCATION

- 1996 Ph.D. in Epidemiology of National Taiwan University
- 1989 M.S. in Public Health of National Taiwan University
- 1985 B.S. in Public Health of National Taiwan University

BIOGRAPHY

Dr. Chiou is known as an outstanding epidemiologist and focuses on research at cancer and cardiovascular diseases. He applies molecular epidemiology as his primary research method and dedicates his work in personalized preventive medicine and precision medicine in cancer and cardiovascular diseases. Up-to-date, Dr. Chiou has published over 273 research articles.

As well as teaching and research, Professor Chiou has strong interests in advocacy of enhancement of public policy and healthcare system. He sits on the advisory board of Taiwan's Ministry of Science and Technology and Ministry of Health and Welfare to support the government's efforts in reforming its public health initiatives.

SPEAKER

Hakuyo Ebara

- Director, Ebara Children's Clinic, Japan



EMPLOYMENT

- **1990** Ebara Children's Clinic
- **1986** Co-Investigator, National Institute of Health
- **1986** Chief Staff, Osaka Medical Center for Maternal and Child Health
- **1982** Neonatology Staff, Osaka Medical Center for Maternal and Child Health
- **1980** Pediatric Staff, Yodogawa Christian Hospital
- **1978** Junior Resident, Kanagara Children Medical Center

EDUCATION

- **1982** Visiting Fellow, Neonatology, University of Chicago
- **1978** Medical Doctor, Medical School, Kyushu University Japan

BIOGRAPHY

Born in Taipei, Taiwan 1954, then moved to Japan in 1966.

Speak Mandarin, Japanese and English.

After graduation from medical school, he devoted his career to secure high-risk neonate in NICU for 12 years. During this period, he noticed relationship between social economic status of parents and incidence of prematurity, therefore outcome of neonates.

This becomes his motivation to serve these infants in community and build up a National Network of Ex-neonatologists to support those children with medical complexity graduated from NICU in Japan.

This has become a power to push pediatrician learning drill and exercise to support most vulnerable children and family in society.

Not only improving mortality but morbidity, become his life work to serve.

From Mortality to Morbidity in Japan

Hakuyo Ebara

Director, Ebara Children's Clinic, Japan

As an indicator of a country's level of maternal and child health care, the infant mortality rate below one year of age is generally raised in international comparisons. In this sense, Japan has long led the world.

However, the low overall mortality rate is not only due to the high level of neonatal care, but also to the low number of low-birth-weight infants with high mortality rates. From this perspective, Japan has a narrower standard deviation of birth weight, and the lower rate of low-birth-weight infants also contributes to the low mortality rate. This means that health care during maternal pregnancy also contributes to lower infant mortality. However, due to recent later marriages, the low birthweight rate has also been increasing.

On the other hand, birth weight specific mortality rate per 500g is used as an objective measure of the level of neonatal care. And in Japan, the lower mortality rates per 500-999 g and 1000-1499 g have attracted attention, and this has led to several neonatologists and nurses from Taiwan periodically to come to Japan to receive training in NICUs. On the contrary, prolonged hospitalization in NICUs has become a major social problem, which preventing high-risk newborns who should be urgently admitted to the hospital.

Therefore, it became an urgent issue for local communities to establish a system that can accept these high-risk children with medical complexity who need medical care, such as extreme low birth weight, delivery disorders, congenital malformations, and other long-term hospitalizations can be discharged from the hospital. To achieve this objective, medical fees for doctors and visiting nurses in the home medical care field have been increased, and training for nurses and teachers in welfare institutions such as after-school day services and day care, as well as in special-needs schools, has increased rapidly. However, the mental and physical heavy burden on families who support these children remain, subsequently importance of sufficiency of respite care and other services for this purpose is being called for.

Thus, children with medical complexity who can survive in the community are now becoming adults, attention is beginning to focus on transitional care from a pediatrician to an adult internist, in preparation for care in adulthood and beyond.

Starting from the NICU, close coordination between advanced medical care at the core hospital and primary & secondary medical care in the community is essential for the child to be able to live in the community and at home. In addition, we need to keep in mind, a healthy start for the unborn child, lifelong support is also required.

SPEAKER

Chatchay Prempunpong

- Assistant Professor, Faculty of Medicine Ramathibodi Hospital, Mahidol University, Thailand



EMPLOYMENT

- **2017 -** Assistant Professor in Pediatrics, Division of Neonatology, Department of Pediatrics, Faculty of Medicine Ramathibodi Hospital, Mahidol University, Thailand
- **2008 - 2017** Faculty staff/Instructor in Pediatrics, Division of Neonatology, Department of Pediatrics, Faculty of Medicine Ramathibodi Hospital, Mahidol University, Thailand
- **2000 - 2003** General practitioner, Uttaradit Hospital, Uttaradit, Thailand

EDUCATION

- **2012 - 2013** Certificate in Neonatal Follow-up McGill University, Montreal, Canada
- **2010 - 2012** Certificate in Neonatal-Perinatal Medicine McGill University, Montreal, Canada
- **2006 - 2008** Fellowship in Neonatology
- **2003 - 2006** Residency in Pediatrics, Faculty of Medicine Ramathibodi Hospital, Mahidol University, Thailand
- **1994 - 2000** Medical Degree, Faculty of Medicine Siriraj Hospital, Mahidol University, Thailand

BIOGRAPHY

Dr. Chatchay Prempunpong is a dedicated medical professional specializing in Pediatrics and Neonatology. She currently serves as an Assistant Professor in Pediatrics at Mahidol University, Faculty of Medicine Ramathibodi Hospital, Thailand. Dr. Prempunpong's career is marked by a diverse range of roles, which include teaching, clinical practice, and research.

Dr. Prempunpong holds a Medical Degree from the esteemed Faculty of Medicine Siriraj Hospital, Mahidol University. Her commitment to advancing her expertise led her to pursue advanced training in Neonatology, and she completed certificates in Neonatal Follow-up and Neonatal-Perinatal Medicine at McGill University, Canada.

One of her primary areas of passion and expertise lies in Neonatology, with a particular focus on Hypoxic Ischemic Encephalopathy (HIE). Her dedication to this field is underscored by her significant contributions, including several publications related to HIE.

Moreover, Dr. Prempunpong has played a crucial role in the establishment and development of the Thai Newborn Registry. As one of the team leaders behind this initiative, she has been instrumental in organizing and managing data from member hospitals. Her responsibilities also encompass data

analysis and the annual presentation of findings to registry members. This collaborative effort aims to enhance the quality of care provided to newborns, making her a pivotal figure in the field of neonatal healthcare in Thailand.

Experience of Care and Follow-up for Preterm infants in Thailand

Chatchay Prempunpong

Director of Thai Neonatal Registry (ThaiNy)

Assistant Professor, Division of Neonatology, Department of Pediatrics,
Faculty of Medicine Ramathibodi Hospital, Mahidol University, Thailand

Introduction: In Thailand, a significant number of infants are born prematurely, posing unique challenges to their care and development. This presentation explores the experiences of these preterm infants and their families within the Thai healthcare system, focusing on both in-hospital care and post-discharge follow-up.

Despite the healthcare system's aim to ensure standardized care for all, significant variations exist across hospitals due to disparities in resource availability, personnel expertise, and equipment access. This session will present our experience at Ramathibodi Hospital, Faculty of Medicine Ramathibodi Hospital, Mahidol University, a leading training center in Thailand, focusing on our care for very and extremely premature infants.

We leverage various cutting-edge technologies to optimize care, including ventilators with advanced respiratory support techniques, modern monitoring systems, evidence-based practice guidelines, and comprehensive screening programs. Additionally, we empower families through informed decision-making and emotional support, promoting a holistic care approach that enhances both quality of care and patient outcomes.

Transitioning from the NICU to home presents further challenges for families. Therefore, pre-discharge education and training are crucial to empower and prepare them for this phase. Following discharge, early intervention and long-term support address developmental concerns effectively. We have implemented a multidisciplinary clinic model led by neonatologists and supported by specialists such as developmental pediatricians and nutritionists, offering a "one-stop" solution for comprehensive post-discharge care. This model serves as a training ground for other hospitals, promoting consistent and effective follow-up care across the nation.

Conclusion: By exploring the experiences of care and follow-up for preterm infants in Thailand, this presentation aims to stimulate discussion and identify strategies for enhancing the quality of care and promoting better outcomes for this vulnerable population.

SPEAKER

Jui-Hsing Chang

- Senior Attending Physician in Neonatology, MacKay Children's Hospital, Chinese Taipei
- Chairperson of Premature Baby Foundation of Taiwan
- Executive Supervisor in Taiwan Society of Neonatology



EMPLOYMENT

- 1997 - Attending Physician in Pediatrics and Neonatology in MacKay Children's Hospital
- 2009 - 2021 Director of Neonatology in MacKay Children's Hospital
- 1995 - 1997 Fellow in Neonatology in Mackay Memorial Hospital
- 1992 - 1995 Resident in Pediatric department of Mackay Memorial Hospital

EDUCATION

- 1992 M.D. institution: Kaohsiung Medical University

BIOGRAPHY

Dr. Jui-Hsing Chang is an expert in neonatal intensive care and follow-up of premature infants. She has joined the Taiwan Premature Infant Follow-up Network for more than 20 years. She has been the national coordinator of this network since 2020. In 2021, she assumed the position of Chairperson of Premature Baby Foundation of Taiwan. Her research interests encompass the broad spectrum of neonatal intensive cares and the long-term follow-up of premature infants.

To date, Dr. Jui-Hsing Chang has published many papers. She has been the reviewer for *Pediatrics* and *Neonatology* for many years. Her latest publication examined the outcomes and related factors of extremely preterm infants born with borderline viability in Taiwan.

The Role for Non-Governmental Organization in Preterm Infant Follow-up

Jui-Hsing Chang M.D.

Chairman, Premature Baby Foundation of Taiwan, Chinese Taipei

The preterm birth rate in Taiwan is approximately 10%, resulting in nearly 15,000 premature infants born each year. The Premature Baby Foundation of Taiwan (PBFT), established in January 1992 by MacKay Memorial Hospital and various non-profit organizations, aims to ensure that every premature baby has access to proper medical care of the highest quality.

In 1995, PBFT founded the Taiwan Premature Infant Follow-up Network (TPFN), with funding derived entirely from fundraising efforts and budget allocation by PBFT for execution. TPFN's mission is to guarantee that very low birth weight premature infants in Taiwan undergo long-term follow-up and assessment, receiving appropriate medical care and early intervention at the right time. Moreover, by utilizing relevant data from tracking during hospitalization and post-discharge, TPFN contributes to understanding the current situation and prognosis of premature infant care in Taiwan, serving as a reference for medical improvement and progress.

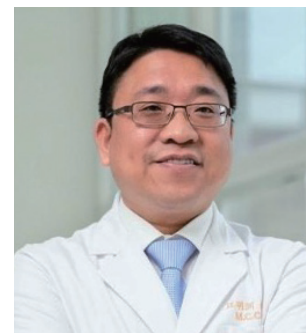
Currently, 26 hospitals participate in the follow-up program, with neonatal follow-up teams established in northern, central, and southern Taiwan. Over the past 28 years, TPFN has tracked approximately 30,000 individuals, conducting follow-ups until premature infants reach the age of five. The results serve as feedback to the medical teams involved, and numerous papers have been published, contributing to clinical practice, academia, and public health policy.

Looking ahead, our focus is on encouraging more hospitals to join the follow-up program, participating in quality improvement initiatives, and advocating to raise awareness among the government and the general public about the systemic and long-term follow-up importance for preterm infants.

SPEAKER

Ming-Chou Chiang

- Director, Division of Neonatology, Department of Pediatrics, Chang Gung Memorial Hospital at Linkou, Chinese Taipei



EMPLOYMENT

- 2021 - Director, Taiwan Society of Neonatology (TSN)
- 2021 - Chairman, Education and Academic Committee of TSN
- 2021 - Associate Professor, Chang Gung University, Taoyuan
- 2020 - Director, Division of Neonatology, Chang Gung Memorial Hospital (CGMH) at Linkou
- 2001 - Attending Neonatologist, CGMH at Linkou

EDUCATION

- 2005 - 2007 Post-doctoral research fellow, Drexel University College of Medicine, United States
- 1989 - 1996 Doctor of Medicine, China Medical University

BIOGRAPHY

Dr. Ming-Chou Chiang is a highly experienced neonatologist who currently holds multiple roles at Linkou Chang Gung Memorial Hospital in Taiwan. He serves as the Director of the Division of Neonatology, a senior consultant physician in the Division of Respiratory Therapy, and the Vice Chairman of the Committee of ICU Management. Additionally, he holds the position of Associate Professor of Pediatrics at Chang Gung University in Taiwan. Dr. Chiang's educational background includes a Doctor of Medicine degree from China Medical University in Taiwan. He further pursued his post-doctoral research as a Research Fellow at Drexel University College of Medicine in the United States.

Dr. Chiang's research interests primarily focus on the investigation of mechanisms underlying neonatal hypoxic ischemic encephalopathy and exploring neuroprotection and therapeutic hypothermia as potential treatments. He is also dedicated to improving respiratory care and nutritional management for preterm infants and enhancing the quality of care and outcomes for this vulnerable population.

In addition to his clinical and research responsibilities, Dr. Chiang holds significant leadership positions within the field of neonatology. He currently serves as the Director of the Taiwan Society of Neonatology (TSN) and Chairman of the Education and Academic Committee of TSN. He also actively contributes to various organizations as a committee member or consultant physician, while also serving as editorial board members such as *Frontier in Pediatrics*, *Pediatrics & Neonatology* as well as reviewers for numerous journals. Dr. Chiang has published a substantial number of research papers throughout his career.

Home Visit and Follow-up for Low and Very Low Birth Weight Preterm Infants

Ming-Chou Chiang, MD.

Director, Division of Neonatology, Department of Pediatrics,
Chang Gung Memorial Hospital Linkou Branch, Taoyuan, Chinese Taipei

According to the data of World Health Organization (WHO), approximately 13.4 million premature births occurred globally in 2020, with rates of 6.8% in East Asia, Southeast Asia, and Oceania, and 7.9% in North America, Australia, and New Zealand. In Taiwan, the preterm birth rate in 2022 was 10.6%, indicating an upward trend. In response, the WHO published updated guidelines (WHO recommendations for the care of preterm or low-birth-weight infants) in 2022, strongly recommending, with moderate-certainty evidence, that trained healthcare professionals provide home visits for preterm or low-birth-weight infants.

Recognizing the challenges faced by parents caring for these infants, Taiwan's Health Promotion Administration, Ministry of Health and Welfare, initiated the "Home Care Program for Infants with Low (Including Very Low) Birth Weight" in 2022. By December 2023, 81 hospitals had joined. This program aims to extend professional care services from hospitals to homes to alleviate caregivers' stress and anxiety. It offers proactive, accessible, and diverse visit services, including home visits, video calls, phone consultations, and face-to-face interactions. The service continues until the child reaches the corrected age of 2. Through the efforts of participating hospitals, 97.8% of eligible very-low-birth-weight infants (2,044 out of 2,089) and 98.3% of eligible infants with special health conditions (739 out of 752) were enrolled. Both groups exhibit an exceptionally high enrollment rate of 97%. In total, over 900 home visits, 2,300 video calls, and 12,000 phone consultations have been provided. In this presentation, we will share our experiences and discuss the implementation process and its achievements.

PANEL DISCUSSION

Experience Sharing Among APEC Economies

HOSTS

Prof. Tung-liang Chiang

Professor, College of Public Health, National Taiwan University,
Chinese Taipei

Prof. Tsung-Hsueh Lu

Professor, Department of Public Health, College of Medicine,
National Chen Kung University, Chinese Taipei

PANELISTS FROM APEC ECONOMIES

Dr. Hakuyo Ebara

Director, Ebara Children's Clinic, Japan

Dr. Olarik Musigavong

Reproductive Endocrinologist, Chaophraya Abhaibhubejhr
Hospital, Thailand

Ms. Abigail R. Montederamos

Nurse IV, Disease Prevention and Control Bureau, Department of
Health, the Philippines

Dr. Aina Mariana Binti Abdul Manaf

Consultant Pediatrician, Ministry of Health, Malaysia

PANELISTS FROM CHINESE TAIPEI

Dr. Reyin Lien

Executive Director, Taiwan Society of Neonatology, Chinese
Taipei

Dr. Jian-Pei Huang

Secretary General, Taiwan Association of Obstetrics and
Gynecology (TAOG), Chinese Taipei

HOST

Tung-liang Chiang

- Professor, College of Public Health, National Taiwan University, Chinese Taipei



EMPLOYMENT

- **1994 -** Professor, College of Public Health, National Taiwan University
- **2014 - 2016** Executive Director, Higher Education Evaluation and Accreditation
- **2005 - 2011** Dean, College of Public Health, National Taiwan University
- **1994 - 1999** Director, Institute of Health Policy and Management, National Taiwan University
- **1988 - 1990** Advisor, NHI Planning Taskforce, Council for Economic Planning

EDUCATION

- **1981 - 1984** Sc.D., School of Hygiene and Public Health, Johns Hopkins University, USA
- **1974 - 1978** B.P.H., National Taiwan University

BIOGRAPHY

Tung-liang Chiang is Professor and former Dean of the College of Public Health, National Taiwan University. He is one of three pioneer architects of Taiwan's National Health Insurance, which has been fully implemented since March 1, 1995. From 2014 to 2016, he served as the Executive Director of the Higher Education Evaluation and Accreditation Council of Taiwan.

Professor Chiang's research interest has focused on health care reforms and social determinants of health. From 2003 to 2023, he served as the principal investigator of the Taiwan Birth Cohort Study, following up a nationally representative sample of more than 20,000 babies born in 2005.

Professor Chiang has published extensively, including three recent edited books: *Health Care System Reform and Policy Research in Taiwan* (World Scientific Singapore, 2020), *The Third Wave of National Health Insurance Reform in Taiwan* (Taipei: Commonwealth Publishing, 2020), and *Higher Education in Taiwan: Global, Political and Social Challenges and Future Trends* (Springer Nature Singapore, 2021).

HOST

Tsung-Hsueh (Robert) Lu

- Professor, Department of Public Health, College of Medicine, National Chen Kung University, Chinese Taipei



EMPLOYMENT

- **2010 -** Professor, Institute of Public Health, College of Medicine, National Cheng Kung University, Tainan
- **2009 -** Director, NCKU Research Center for Health Data, National Cheng Kung University, Tainan
- **2017 - 2018** Director General, Health Bureau, Taichung City Government, Taichung
- **2015 - 2017** Director, Institute of Public Health, College of Medicine, National Cheng Kung University, Tainan
- **2003 - 2010** Associate Professor, Institute of Public Health, College of Medicine, National Cheng Kung University, Tainan
- **1996 - 2003** Principal Staff, Department of Family Medicine, Chung Shan Medical University Hospital, Taichung
- **2001 - 2003** Associate Professor and Chairman, Department of Public Health, Chung Shan Medical University, Taichung
- **1993 - 2001** Instructor, Department of Public Health, Chung Shan Medical College, Taichung

EDUCATION

- **1997 - 2006** PhD, Institution of Health Policy and Management, College of Public Health, National Taiwan University, Taipei
- **1993 - 1996** Resident, Department of Family Medicine, Chung Shan Medical & Dental College Hospital, Taichung
- **1991 - 1993** Military army service
- **1986 - 1990** MPH, Institution of Public Health, National Taiwan University, Taipei
- **1979 - 1986** MD, Chung Shan Medical & Dental College, Taichung

BIOGRAPHY

During the past three decades Robert Lu engaged in maintaining quality of mortality data (in charge of the transition from ICD-9 to ICD-10, introduction of automating coding system, quality assurance of cause of death certification) and better use of mortality data for public health practices such as suicide and injury prevention, diabetes care and data visualization. He initiated the child death review (CDR) program in Taiwan and all cities/counties had set up the CDR committee and conducting the CDR regularly. His recent concerns are the stagnations in achieving SDG 3.1 to 3.2 in Taiwan.

PANELIST

Hakuyo Ebara

- Director, Ebara Children's Clinic, Japan



EMPLOYMENT

- 1990 Ebara Children's Clinic
- 1986 Co-Investigator, National Institute of Health
- 1986 Chief Staff, Osaka Medical Center for Maternal and Child Health
- 1982 Neonatology Staff, Osaka Medical Center for Maternal and Child Health
- 1980 Pediatric Staff, Yodogawa Christian Hospital
- 1978 Junior Resident, Kanagara Children Medical Center

EDUCATION

- 1982 Visiting Fellow, Neonatology, University of Chicago
- 1978 Medical Doctor, Medical School, Kyushu University Japan

BIOGRAPHY

Born in Taipei, Taiwan 1954, then moved to Japan in 1966.

Speak Mandarin, Japanese and English.

After graduation from medical school, he devoted his career to secure high-risk neonate in NICU for 12 years. During this period, he noticed relationship between social economic status of parents and incidence of prematurity, therefore outcome of neonates.

This becomes his motivation to serve these infants in community and build up a National Network of Ex-neonatologists to support those children with medical complexity graduated from NICU in Japan.

This has become a power to push pediatrician learning drill and exercise to support most vulnerable children and family in society.

Not only improving mortality but morbidity, become his life work to serve.

PANELIST

Olarik Musigavong

- Reproductive Endocrinologist
Chaophraya Abhaibhubejhr Hospital, Thailand



EMPLOYMENT

- **2009 - 2024** Reproductive Endocrinologist, Chaophraya Abhaibhubejhr Hospital, Thailand
- **2023 - 2024** Director of Maternal and Infant Health Department, Bureau of Health Promotion, DOH, MOPH, Thailand
- **2021 -** The Medical Council of Thailand Committee
- **2023 - 2023** Deputy Ministry of Public Health Spokesperson
- **2019 -** Chairman, Subcommittee Continuing Professional Development, The Royal Thai College of Obstetricians and Gynecologists
- **2018 - 2020** Assistant Director for Lecturer and Research Affairs of Medical Education Center, Chaophya Abhiabhubejhr Hospital

EDUCATION

- **2018** Master's Degree in the Biotechnology of Human Assisted Reproduction and Embryology, University of Valencia, Spain
- **2015** Diploma of Thai Subboard of Reproductive medicine, Department of Obstetrics and Gynecology, Faculty of Medicine, Ramathibodi Hospital, Mahidol University, Thailand
- **2011** Chief Infomatics Officer program, Faculty of Medicine, Ramathibodi Hospital, Mahidol University, Thailand
- **2009** Diploma of Thai Board of Thai Board of Obstetrics and Gynecology, Department of Obstetrics and Gynaecology, Faculty of Medicine, Khon Kaen University, Thailand
- **2008** Higher Graduate Diploma of Clinical Sciences Obstetrics and Gynaecology, Department of Obstetrics and Gynaecology, Faculty of Medicine, Khon Kaen University, Thailand
- **2005** Medical degree, Faculty of Medicine, Khon Kaen University, Thailand

BIOGRAPHY

Obstetrics and Gynaecology doctor Olarik is currently working for Chaophya Abhaibhubejhr Hospital in Prachinburi, Thailand, Born in a rural province, Prachinburi, Thailand. Dr.Olarik Musigavong has graduated from Faculty of Medicine, Khon Kaen University majoring in Obstetrics and Gynaecology. He also attended professional classes from Reproductive medicine of Ramathibodi Hospital in coordination with Mahidol University and Reproductive surgery training

course in Belgium.

Furthermore, he received a master degree in the Biotechnology of Human Assisted Reproduction and Embryology from University of Valencia in Spain, and lately became a graduate of doctor's degree in philology and clinical epidemiology of faculty of medicine from Thammasart University.

Chaophya Abhaibhubejhr Hospital is a pioneer in Thai traditional medicine. There are more than 100 herbal products approved by Thai FDA. Dr.Olarik integrate Thai traditional medicine and Western medicine for many diseases such as endometriosis, infertility, menopause, abnormal uterine bleeding and postpartum care.

With regard to his extraordinary achievements, he has been appointed in honorary positions: Chair -elected of Complementary and Integrative medicine Special interest group of American Society of Reproductive Medicine in USA, Social Media Team Leader of American Association of Gynecologic Laparoscopist in USA and Honorarium advisor of Healthtech startup society Thailand.

PANELIST

Abigail R. Montederamos

- Nurse IV, Philippine Ministry of Health



EMPLOYMENT

- **2022 -** Nurse IV, Philippine Ministry of Health
- **2019 - 2022** Senior Health Program Officer, Philippine Ministry of Health
- **2017 - 2019** Staff Nurse II, Kingdom of Saudi Arabia Ministry of Health
- **2013 - 2017** Emergency Room Nurse, Zamboanga del Norte Medical Center, Philippines
- **2012 - 2013** Private Duty Nurse, Philippines

EDUCATION

- **2011** Bachelor of Science in Nursing, Andres Bonifacio College Philippines

BIOGRAPHY

Abigail R. Montederamos is a registered nurse who started her career in public health when she was deployed under the Philippine Ministry of Health's Registered Nurses for Health Enhancement and Local Service (RN HEALS) in one of the geographically isolated area municipalities in the Province of Zamboanga del Norte, Philippines. Even with the brief immersion in the community, she actively advocates for holistic maternal and child health and equitable access to quality health services. She has also been trained as a Medical First Responder under the Health Emergency Management Service of an MOH-retained hospital in the Zamboanga Peninsula. This prompted her to pursue her clinical practice in emergency room nursing locally and abroad. Despite that, her initial exposure to the public health system causes a calling that continues to foster within and blossom into wanting to serve her countrymen. Her clinical experience abroad honed her keen focus on performance improvement (PI) as she was designated as PI Unit Representative. Her meticulous observation to small details, natural anticipation, and careful thought process help her reduce risks and prevent problems from arising in all her work. Presently she is a Nurse IV with an equivalent job role as a Senior Health Program Officer at the Disease Prevention and Control Bureau of the Ministry of Health, where she provides technical assistance in various child health and nutrition programs, including the Newborn Care Program and the Infant and Young Child Feeding. She participates in the development of standards for implementing the program and projects at the regional level. Likewise, she participates in the field monitoring and evaluation of newborn care programs, specifically newborn screening. The annual field audits are critical in addressing the gap and other arising issues of local program implementation as a result of a devolved health system.

Capacity building is important in translating policies and guidelines into quality service delivery. Ms. Montederamos has been trained to orient and guide healthcare workers in advocating and committing to a safe and quality practice that facilitates all levels of health facilities to become Mother and Baby-Friendly Health Facilities and Workplaces.

PANELIST

Aina Mariana Binti Abdul Manaf

- Consultant Paediatrician
(General Paediatrics & Child Health)
Tuanku Jaa'afar Hospital, Seremban, Ministry of
Health, Malaysia



EMPLOYMENT

- 2023 Consultant Paediatrician, Tuanku Jaafar Hospital Seremban, Negeri Sembilan
- 2013 Consultant Paediatrician and Head of Paediatric Department, Port Dickson Hospital. Negeri Sembilan
- 2002 Paediatrician, Tuanku Jaafar Hospital, Seremban, Negeri Sembilan
- 1993 Medical Officer, Paediatric Department, Tuanku Jaafar Hospital, Seremban, Negeri Sembilan
- 1992 Medical and Health Officer, Pedas Health Centre, Negeri Sembilan
- 1991 Housemanship in Tuanku Jaafar Hospital, Seremban, Negeri Sembilan

EDUCATION

- 2010 Fellow in General Paediatrics and Child Health, Ministry of Health Malaysia
- 2001 M.Med (Paeds) National University of Malaysia
- 1991 MBBS (Mal) University of Malaya, Kuala Lumpur

BIOGRAPHY

Dr. Aina Mariana is a Consultant Paediatrician attached to a state hospital under the purview of the Ministry of Health, Malaysia. She specializes in General Paediatrics and Child Health and works closely with the Family Health Development Division and the Medical Development Division of the Ministry of Health in developing and training health care workers in health care related modules.

Dr. Aina Mariana is currently the chairperson for the Paediatrics sub-committee for the under-5 mortality surveillance in Malaysia and is the editor for the 'Under-5 Mortality Review 2016: Looking into Preventable Deaths' report by the Ministry of Health Malaysia. She is working closely with the Maternal and Child Sector of the Family Health Development Division in data collection and analysis of the under-5 mortality in Malaysia and is serving as a committee member for the Children's Health Action Plan Co-ordination.

She has published several journal articles in various medical journals and has been a part of the team in preparing guidelines related to child health and patient safety for the Ministry of Health, Malaysia.

Another passion of hers is helping children with developmental and learning problems. She has been involved in initiating the Developmental Screening Clinic both in Tuanku Jaafar and Port

Dickson Hospitals, screening children with developmental and learning issues. She is also one of the consultant paediatricians serving as panel in the PERMATA KURNIA program for children with autism by the Ministry of Education Malaysia.

She is also an honorary lecturer with the International Medical University and has served as an external examiner for undergraduate students in UCSI University.

PANELIST

Reyin Lien

- Executive Director, Taiwan Society of Neonatology,
Chinese Taipei



EMPLOYMENT

- **2017 -** Associate Professor, Chang Gung University School of Medicine
- **1995 -** Staff Neonatologist, Dept. of Pediatrics, Chang Gung Memorial Hospital, School of Medicine, Chang Gung University
- **2005 - 2014** Chief and Program Director, Division of Neonatology, Dept. of Pediatrics, Chang Gung Memorial Hospital, School of Medicine, Chang Gung University
- **1993 - 1995** Staff Neonatologist, Newborn Medicine, Pennsylvania Hospital, USA
- **1990 - 1993** Neonatology Fellow, Children's Hospital of Philadelphia, University of Pennsylvania, USA
- **1987 - 1990** Pediatric Resident, Hershey Medical Center, Pennsylvania State University, School of Medicine, USA
- **1981 - 1983** Pediatric Resident, Chang Gung Memorial Hospital

EDUCATION

- **1974 - 1981** Bachelor in Medicine, Taipei Medical University

BIOGRAPHY

I entered the field of pediatrics in an era when fetal-neonatal pathophysiology was being ratified and advanced neonatal care was making rapid progress. After my brief pediatric residency in Taiwan, I was lucky to meet late Dr. Maria Delivoria-Papadopoulos at the University of Pennsylvania, United States, and studied under her as a research fellow. Later I repeated my full pediatric residency in the US, so that I was able to follow my mentors' path to be a neonatologist.

I returned to Taiwan and started my academic career in pediatrics. I was involved in the education for under-graduate medical students, and at the same time the pediatric residency program director. As the chief in the division of Neonatology, I also joined Taiwan ICDF (International Cooperation and Development Foundation) to Burkina Faso for the mission to reduce maternal and neonatal mortality. Locally, I have been an active advocate for better neonatal survival and enhancing neurodevelopmental outcome in the survivors, for Taiwan.

PANELIST

Jian-Pei Huang

- Chief, Division of General OB/ GYN, Department of OB/ GYN, MacKay Memorial Hospital, Chinese Taipei
- Secretary General, Taiwan Association of Obstetrics and Gynecology (TAOG)
- Vice President, Taiwan Society of Perinatology (TSOP)



EMPLOYMENT

- **2023 -** Vice Director, Department of Medical education, MacKay Memorial Hospital, Taipei
- **2020 -** Chief, Division of General OB/GYN, Department of OB/GYN, MacKay Memorial Hospital, Taipei
- **2006 -** Senior Visiting staff, Department of OB/GYN, MacKay Memorial Hospital, Taipei
- **1999 - 2006** Visiting Staff, Department of OB/GYN, MacKay Memorial Hospital, Taipei
- **1995 - 1999** Resident, Department of OB/GYN, MacKay Memorial Hospital, Taipei

EDUCATION

- **1988 - 1995** Doctor of Medicine / School of Medicine / Taipei Medical University

BIOGRAPHY

Dr. Jian Pei Huang got his MD degree from Taipei Medical University since 1995. He worked at Department of OB/GYN at MacKay Memorial Hospital for more than 28 years and in charge of more than 30,000 deliveries. He majors in perinatology, high risk pregnancy, general gynecology and menopause. And he has more than 100 SCI/SCIE papers now. Besides, he plays very active and significant roles at several associated scientific societies for many years. He also participated in many national policy making groups, especially at maternal fetal medicine, national health care system, public health and nutrition.

CLOSING REMARKS



Jih-Haw Chou, D.D.S., M.P.H.

- Deputy Minister, Ministry of Health and Welfare, Chinese Taipei

EMPLOYMENT

- **2016.09 - 2023.02** Director-General, Centers for Disease Control, Ministry of Health and Welfare
- **2016.05 - 2016.06** Acting Director-General, Centers for Disease Control, Ministry of Health and Welfare
- **2013.07 - 2016.09** Deputy Director-General, Centers for Disease Control, Ministry of Health and Welfare
- **2003.09 - 2013.07** Deputy Director-General, Centers for Disease Control, Department of Health, Executive Yuan
- **2003.03 - 2003.09** Commissioner, Department of Health, Taipei County
- **2000.03 - 2003.03** Deputy Commissioner, Department of Health, Taipei County
- **1999.11 - 2000.03** Senior Specialist, Department of Health, Taipei City
- **1997.06 - 1999.11** Director, Div. Research, Planning and Development, Department of Health, Taipei City
- **1989.07 - 1997.06** Branch Chief, National Quarantine Service, Department of Health, Executive Yuan
- **1987.12 - 1989.06** Specialist, Department of Health, Executive Yuan
- **1986.12 - 1987.12** Resident Physician, Kaohsiung Municipal Ta-Tung Hospital
- **1984.12 - 1986.07** Dentist, Fang-Yuan Health Center, Chang-Hua County

EDUCATION

- **1990.08 - 1992.06** Master of Public Health, University of California at Berkeley, U.S.A
- **1987.09 - 1992.06** Master of Public Health, National Taiwan University
- **1978.09 - 1984.06** Doctor of Dental Surgery, Taipei Medical College



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