

Interactive Symposium of Nuclear Medicine Status in Asia-Pacific Region

亞太地區核醫現況互動研討會

Date

July 3-5, 2025

Venue

Chang Bing Show Chwan Memorial Hospital National Atomic Research Institute Koo-Foundation, Sun Yat-Sent Cancer Center Far Eastern Memorial Hospital

■指導單位 Adviser :



■主辦單位 Organizer:











CHANG BING SHOW CHWAN MEMORIAL HOSPITAL









研究大樓

IRCAD-AITS







鹿工路







鹿 南 路



員工停車場

彰秀護理之家

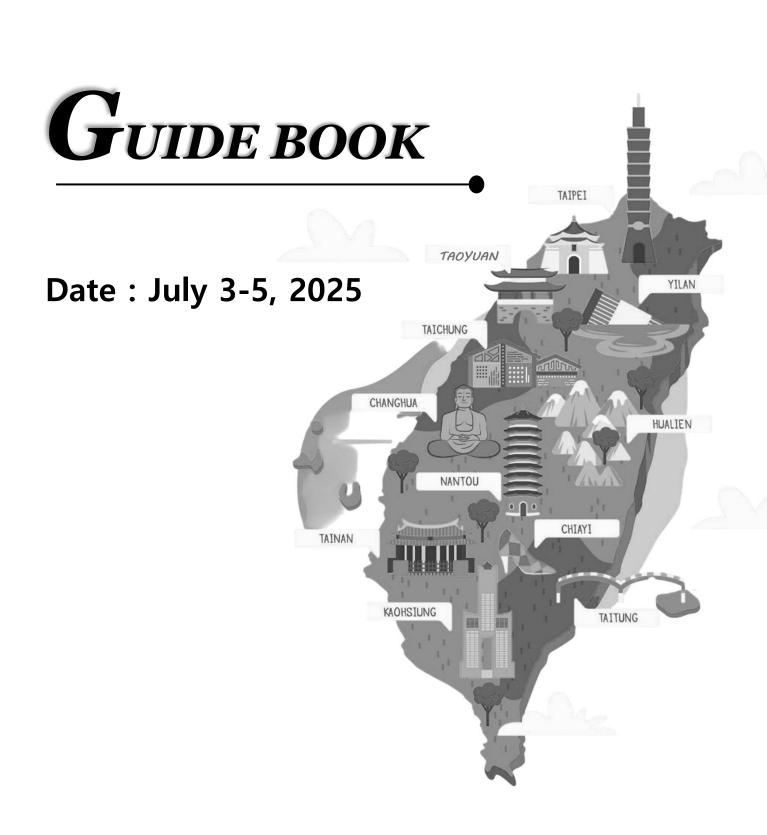
海德堡宿舍

鹿工路

行政辦公室 (優秀康)

秀傳產後 護理之家

運動 中心







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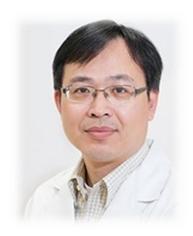
Greetings







Welcome Message



Distinguished Guests,

Greetings.

The "Interactive Symposium on the Current Status of Nuclear Medicine in the Asia-Pacific Region" will be held from July 3 to 5, 2025. This important academic event brings together leading experts in nuclear medicine from Australia, Indonesia, Japan, Malaysia, Thailand, the United States, and Vietnam, alongside prominent scholars from Taiwan. With sessions scheduled at Chang Bing Show Chwan Memorial Hospital (Changhua), the National Atomic Research

Institute (Taoyuan), Koo Foundation Sun Yat-Sen Cancer Center, and Far Eastern Memorial Hospital (New Taipei City), the symposium will address national perspectives on regulatory frameworks, access to radiopharmaceuticals and devices, human resource development, and clinical applications. Through in-depth discussion and multidimensional exchange, this event aims to foster regional cooperation and generate pragmatic strategies for future advancement. This symposium is made possible through the generous support of the National Science and Technology Council (NSTC) of Taiwan, whose commitment to advancing scientific exchange and innovation across borders has been instrumental in facilitating this regional collaboration. The initiative also aligns with Taiwan's New Southbound Policy, a strategic effort to foster bilateral and multilateral cooperation based on mutual benefit and diversified development. By strengthening ties with Southeast Asian nations and Pacific partners such as Australia and New Zealand in the field of medical science and technology, Taiwan seeks to promote its innovations in nuclear medicine, radiopharmaceuticals, and related equipment on the global stage. We aspire to build a "shared medical-economic community" through collaboration, aiming for sustainable, inclusive growth in the region.

As Confucius once said, "Within the Four Seas, all men are brothers."

Taiwan, a democratic society known for its openness, diversity, and hospitality, warmly welcomes all distinguished guests. We hope this symposium will serve as a meaningful platform for academic collaboration and mutual understanding, and that all participants will find the experience both rewarding and inspiring.

May the event be a resounding success.

Guang-Uei Hung, M.D.

Congress President, Taiwan Vice Superintendent, Chang Bing Show Chwan Memorial Hospital

TAIWAN 2025.07.03-05

Message from the President



Distinguished Guests and Esteemed Colleagues,

On behalf of the Taiwan Society of Nuclear Medicine, it is my great honor to welcome you to the 2025 Taiwan International Symposium on Nuclear Cardiology and Neuroimaging. This year's theme,

"New Frontiers Across Borders: Taiwan–France Exchange and the New Southbound Momentum – Exploring the Heart and Mind in Nuclear Medicine,"

highlights our commitment to cross-border, cross-disciplinary, and cross-generational collaboration in the evolving field of

nuclear medicine.

In nuclear cardiology, we are privileged to host a distinguished team from France's INSERM, who will present cutting-edge advances in cardiac function and perfusion imaging. We also welcome young physicians from Taiwan's leading medical centers to share their clinical insights and research, reflecting the passion and potential of a new generation.

In nuclear neuroimaging, experts from Japan, Australia, the U.S., and Southeast Asia will explore progress in neurodegenerative and psychiatric disorders, and the role of functional brain imaging—fostering collaboration across the Asia-Pacific region.

Beyond science, the phrase "Heart and Mind" conveys a deeper meaning. In Chinese, "heart" (心) refers not only to the organ, but also to emotion and consciousness. This reflects our goal to advance both precise diagnostics and holistic patient care.

We sincerely thank our partners: Show Chwan Health Care System, the National Atomic Research Institute (NARI), Koo Foundation Sun Yat-Sen Cancer Center, and Far Eastern Memorial Hospital, for their generous support.

May this symposium inspire new ideas, meaningful dialogue, and continued cooperation in building a brighter future for nuclear medicine.

May this gathering strengthen our global collaboration and lead to lasting contributions in nuclear medicine.

Yuh-Feng Wang, M.D., PhD.

President, Society of Nuclear Medicine, Taiwan (R.O.C)



Message from the Superintendent



Dear Esteemed Guests and Colleagues,

It is a great honor and privilege to welcome you to the Interactive Symposium of Nuclear Medicine Status in the Asia-Pacific Region, hosted at Chang Bing Show Chwan Memorial Hospital in Lukang, Taiwan.

As a leading medical institution deeply committed to international collaboration and clinical excellence, we are proud to bring together distinguished experts and scholars from across the Asia-Pacific region

and beyond. This symposium offers a valuable opportunity to share advancements, strengthen partnerships, and explore the future of nuclear medicine through academic dialogue and cross-cultural exchange.

Lukang, a historic town rich in cultural heritage, serves as a fitting setting for the opening of this international event. We hope you enjoy both the professional and cultural dimensions of your time here in Taiwan.

On behalf of our hospital, I extend my warmest welcome to all participants. We are grateful for your presence and your contributions to the continued progress of nuclear medicine. May this symposium inspire new insights, foster meaningful connections, and enhance the quality of care for patients across our region.

Wishing you a successful and fulfilling conference.

With sincere appreciation,

David Hung-Tsang Yen, M.D., Ph.D.

Superintendent, Chang Bing Show Chwan Memorial Hospital

Message from the Organizing Committee



Dear Colleagues,

On behalf of the organizing committee, I am honored to welcome you to the Interactive Symposium of Nuclear Medicine Status in the Asia-Pacific Region, hosted by Show Chwan Health Care System. With support from the Ministry of Science and Technology and the Society of Nuclear Medicine, Taiwan, this three-day symposium brings together experts from Australia, Indonesia, Japan, Malaysia, the Philippines, Thailand, the United States, Vietnam, and Taiwan. This year's program spans four cities: Changhua (Lukang), Taoyuan

(Longtan), Taipei (Guandu), and New Taipei City (Banqiao) covering over 180 kilometers. Our opening session takes place in Lukang, a historic cultural town and the most visited tourist destination in Taiwan during the first quarter of this year. Further details about Lukang can be found later in this program booklet.

The symposium addresses a broad range of topics, including training systems for nuclear medicine physicians and technologists, advances in neuro and cardiac imaging, innovations in diagnostic and therapeutic nuclear medicine, challenges in radiopharmaceutical development and supply, and regional developments in Southeast Asia. We hope this exchange will foster collaboration, promote resource sharing, and enhance the quality of nuclear medicine across the region.

Please refer to the contact information in this booklet if you wish to connect with us. We also kindly invite you to complete the satisfaction survey to help us improve future events. As July is peak summer in Taiwan, some sessions will begin early due to travel considerations, and we appreciate your understanding.

Thank you for your participation and guidance. Wishing you a rewarding and meaningful experience.

Warm regards,

Wen-Sheng Huang, M.D.

Liaison, Organizing Committee of the Congress Professor, Direct, Nuclear Medicine, Central Region, Show Chwan Health Care System



ORGANIZING





Local Organizing Committee

Program Direct	Guang-Uei Hung, M.D.
Liaison, Academic Organizing Committee	Wen-Sheng Huang, M.D.
Symposium Secretariat	
Secretary General	Elsa Song
Administrative Assistant	Andy Hsu
Reception & Liaison Staff	
International Guests	Teresa Tsai
	Jason Hsu
	Irene Liao
Domestic Guests	Tsai-Fen Hsieh
	Hsiu-Wei Chung
	Sung-Han Yang
Symposium Coordinator	Te-Tsung Chen
Multimedia Team	Man-Chi Chao
	Ya-Chu Chang
General Affairs Staff	Zi-Shan Huang
Transportation & Tour Coordinator	Kai-Hung Wang
Finance & Accounting	Yi-Fang Tsai





Program





Program at a Glance

Day 1	- Wednesday, July 2, 2025	
Time	Events	Venues
All	Arrival & Transfer to Taichung Hotel	Xitun District,
	(Free time for individual activities)	Taichung
Day 2	- Thursday, July 3, 2025	
09:30	Hospital Tour	Chang Bing Show
		Chwan Memorial
		Hospital (CBSCMH)
10:00	Lukang Cultural Tour	Lukang
11:30	Jucuishiyan Creative Vegetarian Cuisine	Lukang
	(Classic local lunch)	
12:30-	Interactive Symposium on Nuclear Medicine Status	CBSCMH, International
18:00	in Asia-Pacific Region	Conference Hall, 1F
18:00	Musheng Seafood Restaurant (Gala Dinner)	Lukang
Day 3	- Friday, July 4, 2025	
07:30	Plenary Speech Speaker: Dr. Peter Lin (Australia)	CBSCMH, International
	Topic: Current Status of Nuclear Neurology in	Conference Hall, 1F
	Australia	
10:30	Institutional Visit & Briefing - National Atomic	Longtan District,
	Research Institute (NARI)	Taoyuan
12:00	Lunch at NARI	
14:30	Institutional Visit - Koo Foundation Sun Yat-Sen	Beitou District,
	Cancer Center (KFSYSCC)	Taipei
	Featured Reports & Roundtable Discussion in	
	Nuclear Molecular Theranostics	
Day 4	- Saturday, July 5, 2025	
07:30	Symposium on Nuclear Cardiology and Neurology	Banqiao Dist.,
	Venue: Far Eastern Memorial Hospital, 14F	New Taipei City
	International Conference Hall	

For accommodation information, please refer to the appendix.





Daily Scientific Program | July 3, 2025 Interactive Symposium of Nuclear Medicine Status in Asia-Pacific Region

Date: July 3, 2025 (Thursday) 12:30–18:00 (GMT+8)

Venue: Chang Bing Show Chwan Memorial Hospital, 1st Floor, International Conference

Hall, Lukang, Taiwan

Program

Time	Title	Speaker	Moderator
12:30~13:00	Registration		
	Opening Remarks		
	Dr. Hung-Chang Yen, Su	perintendent, Chang Bir	ng Show Chwan
13:00~13:05	3:00~13:05 Memorial Hospital		
	Dr. Shih-Wei Huang M.D	. MPH., PhD., Chief Cen	tral Superintendent,
	Show Chwan Health Care	e System	
	Honorable guest Remai	·ks	
	Prof. Peter Chang, MD, N	ИРН, ScD(Harvard), FRCI	P(London)
13:05~13:10 Director of International Affairs, Show Chwan Health Care Sys			ealth Care System
	Mr. Jeng-jong Wang, Vic	e Superintendent, Natio	onal Atomic Research
	Institute	·	
13:10~13:15	Group photo	International Conferen	ice Hall
	Training Course of	Dr. Peter Lin	
13:20~13:50	Nuclear Physician in	Australia	Dr. Guang-Uei Hong
	Australia		
	Training Course of	Prof. Ching Yee	
13:50~14:20	Nuclear Physician in	(Oliver) Wong	Prof. Pan-Fu Kao
	USA	USA	
	Training Courses of	Dr. Cheng-Hsun Lin	Asst. Prof. Feng-Yun
14:20~14:50	Nuclear Technicians in	Taiwan	Huang
	Taiwan		
14:50~15:00	Break		



Time	Title	Speaker	Moderator
15:00~15:30	Trend of Nuclear Medicine & SWOT in Indonesia	Dr. Ivana Dewi Mulyanto Indonesia	Dr. Neng-Chuan Tseng
15:30~16:00	Trend of Nuclear Medicine & SWOT in Malaysia	Dr. Nadiah Abdul Razak Malaysia	Prof. Jyh-Cheng Chen
16:00~16:30	Trend of Nuclear Medicine & SWOT in Thailand	Dr. Benjapa Khiewvan Thailand	Dr. Yi-Ching Lin
16:30~17:00	Trend of Nuclear Medicine & SWOT in Vietnam	Mr. Nguyen Chi Tam Vietnam	Prof. Wu-Shou Chang
17:00~17:30	Clinical implications of reduced cardiac MIBG uptake on 123I-MIBG cardia scintigraph	Prof. Satoshi Orimo Japan	Mr. Ming-Cheng Chang
17:30~17:50	Panel Discussion	All attendees	
17:50~18:00	Closing Remarks	Dr. Guang-Uei Hong	
18:30~20:30	Gala Dinner		





Daily Scientific Program | July 4, 2025

Time	Content		
	Plenary speech / Chang Bing Show Chwan Memorial Hospital, 1st Floor,		
07:30-08:30	International Conference Hall, Lukang, Taiwan		
07.30-00.30	Topic: Current Status of Nuclear Neurology in Australia.		
	Prof. Peter Lin., Australia		
To the National Atomic Research Institute (NARI)			
08:50-10:30	Longtan Dist., Taoyuan		
10:30-12:30	Institutional Visit and Briefing at the NARI		
12:30-13:00	Lunch (in NARI)		
12.00 14.20	To Koo Foundation Sun Yat-Sen Cancer Center (KFSYSCC)		
13:00-14:30 Beitou District, Taipei			
	Institutional Visit and briefing by Dr. Yu-Yi Huang, Chief, Department of		
	Nuclear Medicine		
14:30-16:30	Koo Foundation Sun Yat-Sen Cancer Center (KFSYSCC)		
	Topic: Featured Reports & Round Table Discussion in Nuclear Molecular		
	Theranostics		
16:30-17:30	Panel Discussion		
18:30-20:30	Dinner		
20:30	Hotel check-in Royal Jade Boutique Hotel / Shilin Dist., Taipei		

Featured Reports & Round table Discussion in Nuclear Molecular Theranostics

Date: July 4, 2025 (Thursday) 14:30–17:30 (GMT+8)

Venue: Koo-Foundation, Sun Yat-Sent Cancer Center (SYSCC), Taipei

(1) R102, Teaching and Research Building

(2) B2, Medical Building

Program

Time	Session Title	Speaker(s)/Mode	rator	Location
14:30 –	Welcoming	Dr. Yu-Yi Huang		(1)
14:45				
14:45 –	Introduction to the Theranostics	Dr. Yu-Yi Huang		(1)
15:10	Program at SYSCC			
15:10 –	On-Site Tour: Theranostics	Dr. Ming-Hsin Li	Ms. Ling-	(2)
15:40	Radiopharmaceutical Center	Dr. Yu-Yi Huang	Mam Hung	
15:40 –	Networking:	Dr. Cheng-Chu	Dr. Jing-Ren	(1)
16:00	Overview: Theranostics Development	Lu	Tzen (TBD)	
	in Taiwan (NTUH / CGMH)			
16:00 –	Networking:	Invited Internation	nal Experts	(1)
16:30	International Perspectives: USA,			
	Australia, Indonesia, Malaysia, 🔷			
	Thailand, Vietnam			
16:30 –	Networking & Open Discussion	All Participants		(1)
17:00				
17:00 –	Closing Remarks			
17:30	學			





Daily Scientific Program | July 5, 2025

Joint Symposium on Nuclear Cardiology and Neurology Taiwan Society of Nuclear Medicine 2025

Date: Saturday, July 5, 2025

Time: 08:00 – 17:30

Venue: 14F International Conference Hall, Far Eastern Memorial Hospital, New Taipei

City

Program

		61 am		
Time	Title	Speaker	Moderator	
08:00-08:10	8:10 報到 Registration			
08:10-08:15	Opening Remark	中華民國核醫學學會 梦	举裕明副理事 長	
08:15-08:20	貴賓致詞	亞東紀念醫院 林	子玉副院長	
08:20-08:25	大會主委致詞	中華民國核醫學學會心臟	委員會主任委員亞	
	An update and future trends of	東紀念醫院 吳彥	多 要主任	
	nuclear cardiology in 2025			
08:25-08:40	A Glimpse of Insight:	汪姍瑩主任	高憲立教授	
	Recent Updates in Nuclear Imaging	亞東紀念醫院 核子醫學科	臺大醫院心血管中心	
	for the Diagnosis of ATTR-CM.			
08:40-09:05	Clinical relevance of ischemia with	黃偉杰醫師	高憲立教授	
	INOCA according to coronary	臺北榮總 心臟內科	臺大醫院心血管中	
	microvascular dysfunction - Unveiling		心陳遠光主任	
	the Hidden Risk of MACE.		新光醫院	
09:05-09:15	Discussion: Why is CMD important? -	高憲立教授 臺大醫院心血管中心	\	
	from ischemia to heart failure	陳遠光主任 新光醫院		
09:15-	Inserm-NSTC Session 1:	Laurent RIOU, Inserm, France.		
09:35	Diagnostic and Prognostic Al-	Research scientist,	陳志成教授	
	driven Improvements in SPECT	Laboratoire	國立陽明交通大學生物	
	Myocardial Perfusion Imaging.	Radiopharmaceutiques	醫學影像暨放射科學系	
		Biocliniques, Inserm U1039		
09:35-	Inserm-NSTC Session 2:	Benjamin Lemasson,		
09:55	Al beyond the single-center:	associate professor	鄭乃銘主任	
	Designing for external validation in	Univ. Grenoble Alpes,	基隆長庚醫院 核子醫	
	myocardial perfusion imaging	Inserm, U1216,	學科	
		Grenoble Institute of		
		eurosciences, France		

(continue)



Time	Title	Speaker	Moderator
09:55-	Inserm-NSTC Session 3 (Prerecord):	Gilles Barone, Grenoble	
10:15	Challenges for the robust and	University Hospital and	林立凡主任
	noninvasive SPECT evaluation of	Inserm, France.	三軍總醫院 核子醫學部
	Ischemia with Non-Obstructive		
	Coronary Artery disease (INOCA).		
10:15-10:35	Panel Discussion	吳彥雯/陳志成/鄭	乃銘/林立凡
10:35-10:45	Break		
10:45-	Invited Lecture	Hagit Ratner.	吳彥雯主任
11:15	Advancements in Cardiac PET	Global clinical application	亞東紀念醫院心臟血管
	Imaging: Techniques and	engineer.	醫學中心
	Applications.		
11:15-	Prognostic Values of Myocardial Blood	施鈺呈醫師	汪姍瑩主任
11:30	Flow and Coronary Flow Reserve	亞東紀念醫院 核子醫學科	亞東紀念醫院 核子醫
	Quantification Using 99mTc-Sestamibi		學科
	Dynamic MPI SPECT		
11:30-	Artifact-Corrected CZT SPECT	柯紀綸醫師	韓登宇主任
11:45	Enhances Risk Stratification in INOCA	台大醫院 核子醫學部	台北市立聯合醫院核子
			醫學科
11:45-	Assessment of Coronary Microvascular	柯冠吟醫師	侯景維醫師
12:00	Dysfunction Using Nuclear Medicine	台大癌醫中心 核子醫學部	臺中榮民總醫院 核醫科
	Imaging in Heart Transplant Recipients		
12:00-	Clinical Implementation of Myocardial	胡蓮欣醫師	許沛瑩主任
12:15	Blood Flow Quantification in the	臺北榮總 核子醫學部	輔仁大學附設醫院 核
	Diagnosis of Coronary Artery Disease:		子醫學科
	Experiences from TVGH		
12:15-12:30	Panel Discussion	韓登宇/侯景維/許	沛瑩/汪姍瑩
12:30-13:00	Lunch		
13:15-	An update and future trends of	中華民國核醫學學會神經委	員會主任委員
13:20	nuclear neurology in 2025	彰濱秀傳醫院 洪光威	副院長
13:20-	Highly Specific amyloid & tau PET	Dr. Hiroshi Matsuda,	徐榮隆主任
13:50	Ligands for ATN Classification in	Fukushima Medical University,	新北市立土城醫院神經
	suspected Alzheimer's Disease Patients	Japan	內科
13:50-	Current Status of Nuclear Neurology	Dr. Peter Lin,	顏若芳副教授
14:20	in Australia	Liverpool Hospital,	台大醫院 核子醫學部
		Australia	
14:20-	Current Status of Nuclear Neurology	Prof .Ching Yee (Oliver)	黃文盛主任
14:50	in USA	Wong, University of Southern	彰濱秀傳醫院 核子醫
		California, USA	學部



Time	Title	Speaker	Moderator
14:50-	I-123 MIBG Cardiac Imaging in	Dr. Pai-Yi Chiu	王正忠副院長
15:20	Diabetic Neuropathy	Department of Neurology,	國家原子能科技研究院
		Show Chwan Memorial	
		Hospital	
15:20-15:3	30 Break		
15:30-	The Role of Nuclear Medicine Imaging	Dr. Tse-Hao Lee	彭南靖主任
16:00	in the Clinical Management of Epilepsy	Department of Nuclear	臺北榮民總醫院 核子
		Medicine, Taipei Veterans	醫學部
		General Hospital	
16:00-	Implementation of Nuclear	Dr. Tripera Sucianti, SNGH	邱創新主任
16:15	Neurology in Indonesia: Availability,	Hospital, NM, Indonesia	三軍總醫院 核子醫學部
	Utilization, and Strategic		
	Development		
16:15-	Trend of Nuclear Neurology & SWOT	Dr Nadiah Abdul Razak,	林康平理事長
16:30	in Malaysia	Kuala Lumpur Hospital,	國際生物醫學工程學會
		Malaysia	
16:30-	Trend of Nuclear Neurology & SWOT	Dr. Benjapa Khiewvan, Siriraj	林昆儒醫師
16:45	in Thailand	Hospital, NM, Thailand	林口長庚醫院 核子醫
			學部
16:45-	Senior Nuclear medicine radiographer	Mr. Nguyen Chi Tam, FV	楊邦宏博士
17:00	& Radiation safety officer	Hospital, Vietnam	臺北榮民總醫院 核子
		@ 225p	醫學部
17:00-	Panel Discussion	A & B Par Eastern Hospita	
17:25	All speakers & Moderators	(Apply	
17.23			





GUESTS





Opening Guests



Wayne Shih-Wei Huang M.D. MPH., PhD.

Chief Central Superintendent, Show Chwan Health Care System Director, IRCAD-Taiwan/AITS



David Hung-Tsang Yen, M.D. PhD.

Superintendent, Chang Bing Show Chwan Memorial Hospital Associate Professor, College of Medicine, National Yang Ming Chiao Tung University

Honorable Guests



Prof. Peter Chang, MD, MPH, ScD(Harvard), FRCP(London)

Director of International Affairs, Show Chwan Health Care System



Mr. Jeng-jong Wang

Vice Superintendent, National Atomic Research Institute

Foreign Guests

The following list is arranged in alphabetical order by name.

NAME	NATIONALITY	E-MAIL ADDRESS
Benjapa Khiewvan	THAILAND	bkhiewvan@yahoo.com
Ching Yee (Oliver) Wong	AMERICAN	cyowong@yahoo.com
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Huynh, Mai Xuan	VIETNAM	
Ivana Dewi Mulyanto	INDONESIA	d3w11v4n4@gmail.com
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Silvia Christelia	INDONESIA	
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Sri Puspa Handayanil	INDONESIA	drsph24@gmail.com
Tripera Sucianti	INDONESIA	triperasucianti83553@gmail.com

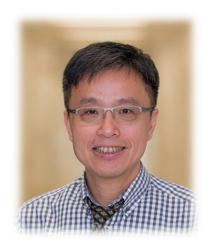


Invited speakers





Lecture Speakers



Dr. PETER LIN



Liverpool Hospital, South Western Sydney Local Health District (SWSLHD), Sydney, AUSTRALIA

Professor of Medicine in University of NSW
Specialist training in Oncology and Nuclear Medicine at Royal
Prince Alfred, Prince of Wales and Liverpool Hospitals.
Academic Nuclear Medicine physician and senior staff specialist
at Liverpool Hospital

The largest Radiology and Nuclear Medicine service in Australia comprising of six public hospitals in the South Western Sydney Local Health District network

Email: Peter.Lin1@health.nsw.gov.au



Medical Imaging and Radiological Sciences, Central Taiwan University of Science and Technology, Taichung, TAIWAN

Dean of Student Affairs, Central Taiwan University of Science and Technology

Director of Medical Imaging and Radiological Sciences

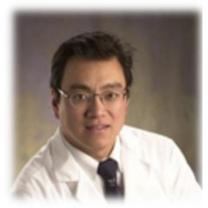
Email: jslin@ctust.edu.tw

Dr. CHENG-HSUN LIN





Lecture Speakers



Prof. CHING YEE (OLIVER) WONG

Michigan State University School of Medicine, Lansing, Michigan Department of Radiology, U.S.A.

- Staff Physician, Director of Nuclear Neurologic Imaging and Associate Professor of Radiology, Department of Nuclear Medicine, The Cleveland Clinic Foundation, Cleveland, Ohio, 7/1/1994-7/31/1998.
- 2. Staff Physician, Director of Positron Diagnostic Center and Cyclotron and Professor of Radiology and Medicine, Department of Nuclear Medicine, Oakland University William Beaumont School of Medicine Hospitals, Royal Oak, Michigan, 8/1/1998-6/1/2016.



3. Staff Physician, Consultant and Professor of Radiology and Associate Professor of Medicine, Sutter Health, Kaiser Permanente, University of Southern California, Michigan State University and Wayne State University, 6/2/2017 – present

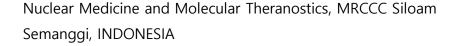
Email: wongc@msu.edu



Lecture Speakers



Dr. IVANA DEWI MULYANTO



M.D., SPKN(K), MKES, FANMB

Nuclear Medicine physician at MRCCC Siloam Hospital

Semanggi - Nuclear Medicine Department

Hospital Medical Committee – MRCCC Siloam Hospital

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Head of Nuclear Medicine Department at MRCCC Siloam

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Clinical Lecturer for Radiology Training Program of Pelita

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Dr. NADIAH ABDUL RAZAK



Nuclear Medicine Department, Hospital Kuala Lumpur, MALAYSIA

Discipline University/Work Place

Medical, Orthopaedic, Surgical, Obstetrics and Gynaecology,
Paediatric, Emergency Department Hospital Melaka

Medical Department Hospital Melaka

Medical Department & Nuclear Medicine Department

Hospital Umum Sarawak

Radiology Department Hospital Melaka

Nuclear Medicine Department Advanced Medical and

Dentistry Institute, USM & Hospital Kuala Lumpur

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Lecture Speakers



Dr. BENJAPA KHIEWVAN



Radiology., Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, THAILAND

M.D., ASSOCIATE PROFESSOR

The subcommittee of the Royal College of Radiologists of Thailand

The committee of Nuclear Medicine society of Thailand
The Assistant Dean of Corporate Communication and Social
Responsibility, Faculty of Medicine Siriraj Hospital
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of Medicine Siriraj Hospital, Bangkok, Thailand
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Mr. NGUYEN CHI



Nuclear Medicine, FV Hospital, Ho Chi Minh City, VIETNAM

SENIOR NUCLEAR MEDICINE RADIOGRAPHER
AND RADIATION SAFETY OFFICER

Nuclear medicine radiographer – FV Hospital Senior Nuclear medicine radiographer – FV Hospital Senior Nuclear medicine radiographer & Radiation safety officer – FV Hospital

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Lecture Speakers



Prof. SATOSHI ORIMO

Director, Kamiyoga Setagaya Street Clinic., JAPAN

April, 1980 worked in Department of Neurology, Tokyo Medical and Dental University
October, 1981 worked in Department of Cardiology, Tokyo Metropolitan Hiroo Hospital
April, 1982 worked in Department of Neurology, Tokyo Medical and Dental University
January, 1983 worked in Department of Neurology, Kanto Teishin Hospital
January, 1994 worked in Department of Neurology, Kanto

Central Hospital

April, 2021 work in Kamiyoga Setagaya Street Clinic



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Moderators





洪光威副院長 Dr. Guang-Uei Hung

秀傳醫療體系彰濱秀傳紀念醫院醫療副院長暨核子醫學部主任



Vice President of Show Chwan Medical System, Chang Bing Show Chwan Memorial Hospital, and Director of the Department of Nuclear Medicine

高潘福教授 Prof. Pan-Fu Kao

中山醫學大學醫學系





黃蜂運助理教授 Asst. Prof. Feng-Yun Huang

中台科技大學醫學影像與放射科學系

Department of Medical Imaging and Radiological Sciences Central Taiwan University of Science and Technology



曾能泉主任 Dr. Neng-Chuan Tseng

童綜合醫療社團法人童綜合醫院核子醫學科

Director of the Department of Nuclear Medicine, Tungs' Taichung MetroHarbor Hospital





陳志成教授 Prof. Jyh-Cheng Chen

國立陽明交通大學生物醫學影像暨放射科學系



Department of Biomedical Imaging and Radiological Sciences, National Yang Ming Chiao Tung University

林宜瀞主任 Dr. Yi-Ching Lin

臺中榮總核醫主治醫師兼同位素病房副主任



Vice director of radiotherapy ward (W131), Attending physician of Department of Nuclear Medicine, Taichung Veterans General Hospital

張武修教授 Prof. Wu-Shou Chang

秀傳醫療體系國際事務發展部長





Director of International Affairs and Development, Show Chwan Medical System Attending Physician, Department of Occupational Medicine, Chang Bing Show **Chwan Memorial Hospital**

張明誠博士 Dr. Ming-Cheng Chang



國家原子能科技研究院國家原子能科技研究院 同位素應用研究所 副所長 臺灣醫用迴旋加速器學會 秘書長

Deputy Director, Department of Isotope Application Research, National Atomic Research Institute

Secretary General, The Taiwanese Society of Medical Cyclotron

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Abstracts





Speech Title Training Course of Nuclear Physician in Australia Dr. PETER LIN

Abstract:

The presentation will provide an overview of current clinical practice, challenges and emerging issues for Nuclear Medicine in Australia.

I will discuss the current training pathways for Nuclear Medicine specialists, radiation scientists ("technologists'), physicists and Radiopharmaceutical Scientists (RPS) who are recognized in Australia a specialist professional with a chemistry, pharmacy or science background and lead the design, manufacture and analysis of radiopharmaceuticals.

With 40 PET centers now established in Australia and rapid growth in demand for both PET and access to theranostics services, there is a recognized shortage of Nuclear Medicine specialists and scientists and the need to invest in the infrastructure and training programs to meet the growth in both clinical and research demands.

I will discuss some of the recent strategies and measures implemented by the Government and Universities/Colleges working with the Nuclear Medicine community to ensure there is adequate and appropriately trained workforce, infrastructure and government funding support to meet the current and future needs.

Nuclear Medicine community is a key stakeholder in the multidisciplinary team for establishment of Model of

Care and clinical practice pathways, and clinical trials network and registry.

Speech Title Training Course of Nuclear Physician in USA Prof. CHING YEE (OLIVER) WONG

Abstract:

This lecture will provide an in-depth overview of the training pathway for nuclear physicians in the United States, including residency structure, board certification requirements, and clinical competencies.

Dr. Wong will share insights on the integration of nuclear medicine with diagnostic radiology, the evolution of PET/CT and theranostics in clinical practice, and recent trends in academic and fellowship programs. This session is particularly valuable for educators and physicians interested in international medical training systems and cross-border collaborations.



Speech Title Training Courses of Nuclear Technicians in Taiwan Dr. CHENG-HSUN LIN

Abstract:

The presenter introduces the current structure and development of training programs for nuclear medicine technologists (NMTs) in Taiwan. The talk begins with an overview of educational institutions offering NMT programs, including both universities and junior colleges, with information on their founding years and enrollment capacities.

Using examples from institutions such as Central Taiwan University of Science and Technology, the presenter highlights the core curriculum, which includes theoretical coursework and hands-on clinical training. The joint placement system in Taiwan is also discussed, where students are matched to clinical institutions through a centralized process to ensure fair and effective practical training.

In addition, the presenter shares recent data on the national licensing examination for NMTs, including applicant numbers, attendance rates, and pass rates. The six core subject areas assessed in the exam are outlined, along with the professional competencies required for licensing and practice.

This presentation provides a comprehensive view of Taiwan's standardized yet evolving system for cultivating a competent and well-prepared nuclear medicine workforce.

Speech Title Trend of Nuclear Medicine & SWOT in Indonesia Dr. IVANA DEWI MULYANTO

Abstract:

Indonesia is an astonishing collection of more than 17,000 islands with total population of 282.5 million people as in mid-2024. This becomes challenge as well as opportunity for nuclear medicine society in Indonesia. Currently there are only 60 nuclear medicine physicians and 11 nuclear medicine centers for the whole country. The development of nuclear medicine in Indonesia was slow until the year of 2022. The year of 2022 is the era of health transformation where nuclear medicine society received support from the government. There are 4 additional centers with SPECT/CT and 2 additional centers with PET/CT. By 2024 nuclear medicine centers have expanded to Sumatra, Sulawesi, and Bali. Several collaborative projects and proctorship program are growing to improve human resources quality. While several progresses have been made, challenges remain in terms of infrastructure and workforce development. However, with ongoing collaborations, government initiatives, and international support, Indonesia is poised to further advance its nuclear medicine capabilities, improving healthcare outcomes for its population.



Speech Title Trend of Nuclear Medicine & SWOT in Malaysia Dr. NADIAH ABDUL RAZAK

Abstract:

Nuclear medicine was introduced in Malaysia in the early 1970s, with the first radionuclide imaging procedures was performed in Hospital Kuala Lumpur (HKL), the country's premier public healthcare institution. The establishment of the Malaysian Nuclear Agency (Agensi Nuklear Malaysia) in 1972 further propelled research and development in radiopharmaceuticals and radiation safety. By the 1990s, nuclear medicine services expanded to major government hospitals, including Penang General Hospital and University Kebangsaan Malaysia Medical Centre (UKMMC).

Today, nuclear medicine in Malaysia operates within a dual-sector framework, comprising public healthcare institutions, under the Ministry of Health (MOH) and Ministry of Education (MOE), and private medical centers. Both sectors focus on providing diagnostic imaging and therapeutic applications to benefit local and international patients.

Speech Title Trend of Nuclear Medicine & SWOT in Thailand Dr. BENJAPA KHIEWVAN

Abstract:

Nuclear medicine plays a critical role in the diagnosis and treatment of a wide range of diseases in Thailand. It was first established in Thailand in 1955, initially utilizing radionuclides such as I-131, radiogold (Au-198), radiophosphorus (P-32), and Br-82. As of today, there are 42 nuclear medicine centers nationwide, supported by a multidisciplinary workforce comprising 73 nuclear medicine physicians, 32 radiopharmacists/radiochemists, 26 medical physicists, 111 radiation technologists, 72 nuclear medicine nurses, and 24 technicians.

Thailand is equipped with 6 cyclotrons, 1 PET/MRI, 15 PET/CT, 34 SPECT/CT, 10 SPECT, and 2 cardiac SPECT. The principal planar and SPECT/CT imaging studies include bone scintigraphy, renal scans and renograms, myocardial perfusion imaging, and pulmonary ventilation/perfusion scans. For PET/CT imaging, F-18 FDG PET/CT is predominantly utilized for oncologic indications, with additional applications in the assessment of dementia and myocardial viability. Furthermore, non-FDG PET/CT studies are increasingly performed, including amyloid PET and tau PET for dementia evaluation, PSMA PET/CT for prostate cancer, and DOTATATE PET/CT for neuroendocrine tumors. A variety of radionuclide therapies are currently available, including I-131 therapy for hyperthyroidism and well-differentiated thyroid carcinoma; I-131 MIBG therapy for neuroblastoma and malignant pheochromocytoma; Zevalin (Y-90 ibritumomab tiuxetan) for refractory lymphoma; and Lu-177 PSMA, Ac-225 PSMA, and Tb-161 PSMA therapies for metastatic castration-resistant prostate cancer. Additionally, Lu-177 DOTATATE therapy is employed for neuroendocrine tumors. Future developments include the clinical implementation of novel theranostic agents such as F-18 FAPI or Ga-68 FAPI imaging and Lu-177 FAPI therapy for various solid tumors.

Most planar and SPECT/CT studies are reimbursable under the Thai healthcare system. However, FDG PET/CT is reimbursed only for specific malignancies, including lymphoma, lung cancer, colorectal cancer, cervical cancer, esophageal cancer, and thyroid cancer.



DOTATATE PET/CT is reimbursed solely for the diagnosis of neuroendocrine tumors. Currently, among radionuclide therapies, only I-131 and I-131 MIBG therapies are reimbursed. Consequently, financial barriers prevent some patients from accessing PET/CT imaging and advanced radionuclide therapies, such as PSMA-targeted therapies and peptide receptor radionuclide therapy (PRRT).

Speech Title Trend of Nuclear Medicine & SWOT in Vietnam Mr. NGUYEN CHI TAM

Abstract:

The field of nuclear medicine in Vietnam has undergone notable progress in recent years, reflecting broader global trends in precision diagnostics and targeted radiopharmaceutical therapy. As of 2023, the country boasts 49 nuclear medicine centers equipped with SPECT, SPECT/CT, PET/CT scanners, four cyclotrons, and one nuclear research reactor in Da Lat. These facilities are staffed by approximately 180 physicians, 90 medical physicists, and 190 technicians. The increased adoption of hybrid imaging modalities—such as PET/CT and SPECT/CT -alongside the integration of novel radiotracers, particularly in oncology and cardiology, underscores the nation's efforts to enhance clinical outcomes through advanced medical technologies.

This presentation provides a comprehensive analysis of the current developments in nuclear medicine in Vietnam, employing a SWOT (Strengths, Weaknesses, Opportunities, and Threats) framework to elucidate the sector's strategic position.

Key strengths include a steadily growing workforce of specialized professionals, increased governmental investment in high-tech medical infrastructure, and emerging international collaborations.

Nevertheless, systemic weaknesses persist, including a shortage of specialized human resources, insufficient infrastructure outside major urban centers, reliance on imported radiopharmaceuticals, and a limited number of cyclotron facilities.

Significant opportunities exist in the form of rising demand for early cancer detection, prospects for domestic radiopharmaceutical production, and integration into broader healthcare modernization initiatives. Conversely, the field faces substantial threats, including regulatory constraints, high operational and maintenance costs, and persistent challenges related to radiation safety and radioactive waste management.



Speech Title Clinical implications of reduced cardiac MIBG uptake on 123I-MIBG cardia scintigraph

Prof. SATOSHI ORIMO

Abstract:

Reduced cardiac MIBG uptake has two implications. One is whether postganglionic cardiac sympathetic nerve lesions exist or not, and the other is to estimate whether there are Lewy bodies (LBs) in the nervous system. Using the former, research into the pathological progression of Parkinson disease (PD) has been conducted in recent years. The latter has also been widely used to differentiate Lewy body disease (LBD) from non-LBD.

123I-MIBG cardiac scintigraphy can assess pathophysiology and distribution of postganglionic presynaptic cardiac sympathetic nerve endings. Therefore, reduced cardiac MIBG uptake indicates lesions of the postganglionic cardiac sympathetic nerve. Cardiac MIBG uptake is reduced in patients with LBD, because they have postganglionic cardiac sympathetic nerve lesions. Contrarily, cardiac MIBG uptake is basically preserved in patients with multiple system atrophy, progressive supranuclear palsy, corticobasal degeneration, and Alzheimer disease, because they don't have autonomic nerve lesions including postganglionic cardiac sympathetic nerve lesions.

Cardiac MIBG uptake is reduced in patients with LBD. Patients with certain types of familial PD, such as PD associated with α -synuclein mutation, PD associated with α -synuclein multiplication, and some PD associated with LRRK2 mutation, also have reduced cardiac MIBG uptake. Pathologically, degeneration of the cardiac sympathetic nerve occurs in LBD and familial PD, such as PD associated with α -synuclein mutation, PD associated with α -synuclein multiplication, and PD associated with LRRK2 mutation with LBs in the brain. Taken together, degeneration of the cardiac sympathetic nerve is closely associated with the presence of LBs in the nervous system. Therefore, reduced cardiac MIBG uptake can be a potential biomarker for the presence of LBs. 123I-MIBG cardiac scintigraphy can allow us to estimate the presence of LBs.





Social events





REGISTRATION & RECEPTION DESK

Time: 11:30-12:30

Location: 1F, Outside the International Conference Hall

The registration area is divided into separate counters for **DOMESTIC and INTERNATIONAL** participants. This arrangement applies to both speakers and attendees.

The desk provides check-in, name badge collection, and general assistance.

INTERNET

All participants will be able to use computers and the internet from 08:00 to 18:30. Free wireless internet will be available in the Venue, (Free WIFI: Show-Guest)

CERTIFICATE OF ATTENDANCE

Certificates of attendance will be distributed on-site at the end of the congress day. Should you have any questions or require assistance, please approach the reception desk.

COFFEE / TEA & REFRESHMENTS

Coffee, tea, and light refreshments will be available outside the International Conference Hall throughout the conference.

Please note that refreshments are provided in separate sections for Halal and non-Halal consumption.

In addition, beverage shops are available on the first basement level (B1) and near the main entrance on the first floor. A 7-Eleven convenience store is also located on the left side of the hospital's main entrance.

Classic Local Lunch

Date & Time: July 3, 2025 (Thursday), 12:00–13:30 **Venue:** Jucuishiyan – Creative Vegetarian Cuisine

Address: No. 108, Zhongzheng Rd., Lukang Township, Changhua County, Taiwan

• Awarded "Two Stars" as the "Michelin Guide for Vegetarian Cuisine" (2021)

• Awarded "Two Stars" by the Green & Vegetarian Cuisine Guide (2023)



Guests will enjoy a specially arranged lunch at Jucuishiyan, an award-winning vegetarian restaurant renowned for its innovative plant-based creations inspired by traditional Taiwanese flavors.

Recognized with two stars in the "Green Plant-Based Restaurant Awards" and listed in Taiwan's Michelin-style guides, Jucuishiyan offers an elegant and sustainable dining experience that highlights the essence of modern Taiwanese vegetarian cuisine.

Gala Dinner

Date & Time: July 3, 2025 (Thursday), 18:00-20:00

Venue: Musheng Seafood Restaurant

Address: No. 168, Zhongzheng Rd., Lukang Township, Changhua County, Taiwan



Enjoy a sumptuous banquet featuring premium local seafood at Musheng, a renowned restaurant in Lukang known for its elegant atmosphere and refined Taiwanese coastal cuisine.



Appendix





Accommodation Information



July 2 – In One City Inn, Taichung

Address: No. 31, Lane 138, Wenhua

Rd., Xitun District, Taichung City 407

Website: https://www.inone.com.tw/en/

Check-in Time: After 3:00 PM

Check-out Time: Before 12:00 PM

Hotel Overview:

A stylish and comfortable hotel located near the famous Fengjia Night Market. Ideal for exploring Taichung's nightlife and local cuisine.

Fengjia Night Market (Taichung)

An introduction to one of Taiwan's largest night markets, famous for its street food, shopping, and lively atmosphere



July 3 –
Union House Lukang

Address: No. 152, Sanmin Rd., Lukang Township, Changhua County 505

Website:

https://www.unionhouse.com.tw/en/

Check-in Time: After 3:00 PM

Check-out Time: Before 12:00 PM

Hotel Overview:

A modern boutique hotel blending contemporary design with traditional Lukang charm.

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Conveniently located within walking distance of major cultural landmarks.

Lukang – A Historic Town of Culture and Tradition

Lukang, a Taiwanese old town, used to be the biggest trading port in Taiwan. Today, it stands as one of the island's most popular travel destinations—ranked number one in visitor numbers during the first quarter of this year.

Lukang is renowned for its well-preserved traditional architecture, vibrant old streets, and centuries-old temples. As you walk through its narrow alleys, you can savor unique local foods, explore artisan shops, and experience the town's rich, multicultural heritage. Lu-kang truly deserves your stay and attention—come and discover the charm of this timeless cultural treasure.



July 4-5 -

Royal Jade Boutique Hotel, Taipei

Address: No. 88, Section 5, Roosevelt Road,

Wenshan District, Taipei City 116

Website: https://royaljadehotel.com/en/

Check-in Time: After 3:00 PM

Check-out Time: Before 12:00 PM

Hotel Overview:

Located in the tranquil Tianmu district of Taipei, Royal Jade Boutique Hotel offers modern comforts with easy access to public transportation. Just minutes from MRT Shipai Station, guests can conveniently explore top attractions like Shilin Night Market, the National Palace Museum, and Yangmingshan National Park.

Taipei – A Dynamic Blend of Tradition and Modernity

Taipei, the capital of Taiwan, is a vibrant city where ancient temples stand alongside skyscrapers, and night markets coexist with luxury malls. Known for its friendly people, efficient transportation, and world-class cuisine, Taipei offers a rich mix of history, culture, and innovation—all within easy reach.

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Taipei MRT Guide https://english.metro.taipei/Default.aspx

- Map and instructions for navigating Taipei's convenient metro system.



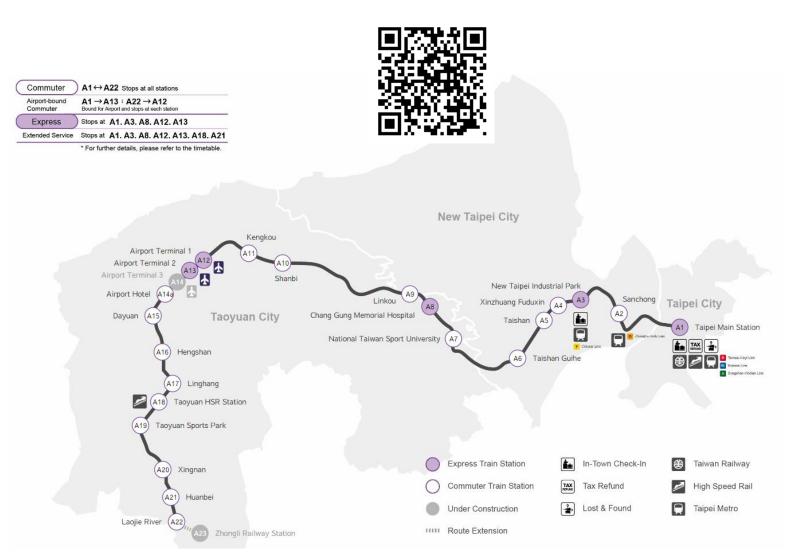


Taipei 2-Day Pass https://funpass.travel.taipei/tour/9YP





Metro Taoyuan https://www.tymetro.com.tw/tymetro-new/en/index.php



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Satisfaction survey





Post-Event Satisfaction Survey

Date: July 3-5, 2025

Dear Participant,

Thank you for attending the 2025 Asia-Pacific Nuclear Medicine Symposium. We sincerely hope you had a rewarding experience. Please take a few minutes to complete this survey. Your feedback is valuable in helping us improve future events.

4	_			
1	Persona) I	Into	rmation

Gender: □Male □Female □Intersex □Prefer not	to say
Age:	
Country:	
Name (optional):	

2. General Services

Please rate the following items from 1 (very dissatisfied) to 5 (very satisfied):

Item	1	2	3	4	5
Accommodation service and quality					
Transportation and pick-up arrangement					
Meal arrangement					

3. Symposium and Institutional Visit

Item	1	2	3	4	5
Overall quality of the 3-day symposium					
program					
Overall program usefulness of the academic					
content					
Which day's program was most helpful to you? (Multiple choices					
allowed)					
□ 7/3 □ 7/4 □ 7/5					
Which session or presentation was most beneficial to you?					
(Open question)					

4. Overall Evaluation

Item	1	2	3	4	5
Overall satisfaction with the event					
Communication and assistance from staff					
Would you recommend this event to others?	□ Y	es /		Vo	

5. Comments and Suggestions

Please share any additional feedback or suggestions for improvement:

Kindly tear along the dotted line and return the completed questionnaire. Thank you very much.





CERTIFICATE OF ATTENDANCE



This is to certify that

has attended the Asia-Pacific Nuclear Medicine Symposium, held from July 3rd to July 5th, 2025 in Taiwan.

Guang-Uei Hung, M.D.

Congress President, Taiwan Vice Superintendent, Chang Bing Show Chwan Memorial Hospital

thuy, Gmyllin

Vowid Hung-Tsang Jen

David Hung-Tsang Yen, M.D., Ph.D.

Superintendent, Chang Bing Show Chwan Memorial Hospital











2025

Interactive Symposium of Nuclear Medicine Status in Asia-Pacific Region

亞太地區核醫現況互動研討會