

AOSPR

2023

21st Annual Scientific Meeting of
Asian and Oceanic Society for
Paediatric Radiology

2nd-3rd SEPTEMBER

HONG
KONG



@ Hong Kong Academy of Medicine
Jockey Club Building

PROGRAMME BOOK



Organised by



Supported by



AOSPR 2023 Secretariat
c/o International Conference Consultants Ltd.
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www.aospr2023.org

Welcome Message

On behalf of the Asian and Oceanic Society for Paediatric Radiology (AOSPR) and Hong Kong College of Radiologists, it gives us great pleasure to invite you all to participate in the 21st Annual Scientific Meeting of AOSPR, which will be held from Saturday to Sunday, 2–3 September 2023 at the Hong Kong Academy of Medicine.

The last AOSPR Annual Scientific Meeting Hong Kong was held exactly 10 years ago in 2013, we are honoured to have the opportunity again to be the host of this exciting congress. AOSPR 2023 Hong Kong will share an insight into the latest development and cutting-edge technologies in paediatric imaging. The 2-day scientific programme will embrace diverse topics ranging from neuroimaging to musculoskeletal radiology, from interventional radiology to quality and safety. There are 4 multi-disciplinary sessions on oncological imaging, imaging in renal disease, neuro radiology and state-of-the art imaging.

Apart from the invited lectures delivered by the outstanding speakers from around the world, there will be proffered papers, hands-on workshops, film quiz and awards. Upholding the AOSPR tradition, there is an exciting social programme that will suit everyone whether you are a culinary expert, a savvy shopper or an outdoor lover.

We are confident that the occasion will bring together radiologists, radiographers, health care professionals and researchers to exchange ideas and professional knowledge, and showcase research findings in paediatric imaging. The local organising committee is committed to making AOSPR 2023 Hong Kong a memorable and successful one.

We look forward to meeting you in AOSPR 2023 at Hong Kong!



Prof. Winnie CHU
President,
Asian and Oceanic Society for
Paediatric Radiology (2023 -2024)
Congress Co-Chair, AOSPR 2023



Dr Chun-Key LAW
President,
Hong Kong College
of Radiologists



Dr Elaine KAN
Congress Co-Chair,
AOSPR 2023



About AOSPR

The Asian and Oceanic Society for Paediatric Radiology (AOSPR) is a society of Paediatric Radiologists in the Asian and Oceanic region stretching from Turkey and Jordan in the West to Korea, Japan, Australia, New Zealand and the Philippines in the East and covering all points in between.. The AOSPR is dedicated to the promotion of Paediatric Radiology in the Asia-Oceanic region through cooperative research, teaching and education.

The Society aims to establish close ties with the many regional national societies. Furthermore the AOSPR has close ties with International Paediatric Radiology societies such as the Society for Paediatric Radiology (SPR), European Society of Paediatric Radiology (ESPR), and the Sociedad Latino Americana de Radiologia Pediatrica (SLARP). By close cooperation with these societies and dedication towards education and research, the AOSPR strives to achieve its aim of improving healthcare standards in the imaging of children.



Programme-at-a-glance

2 September 2023 (Sat)			3 September 2023 (Sun)			
PYK Auditorium	LPY Lecture Theatre	Foyer, 1/F	PYK Auditorium	LPY Lecture Theatre	2/F	
0830 - 1700 Registration			0710 - 1730 Registration			
					0740 - 0800 Covid Special Focus Session <i>James Kung Meeting Room</i>	0800 - 0900 Breakfast Symposium <i>James Kung Meeting Room</i>
0910 - 1030 Cardiovascular Imaging	0910 - 1030 B1 Preferred papers	0900 - 1030 Rapid Fire Oral Presentation I	0900 - 1020 MSK Imaging	0900 - 1020 Radiographer's Stream I	0900 - 1030 Ultrasound Workshop Session 1 <i>Functions Room 1&2</i>	
1030 - 1045 Coffee Break <i>Exhibition Hall</i>			1020 - 1050 Coffee Break <i>Exhibition Hall</i>			
1045 - 1120 Opening Ceremony			1050 - 1230 Multidisciplinary Symposium 3 - Paediatric Oncology	1050 - 1230 Multidisciplinary Symposium 4 - State of the Art	1100 - 1330 Ultrasound Workshop Session 2 <i>Functions Room 1&2</i>	
1120 - 1300 Multidisciplinary Symposium 1 - Nephro-urological Conditions	1120 - 1300 Multidisciplinary Symposium 2 - Neuro-imaging/ PNAHK Annual Scientific Meeting 2023					
1300 - 1400 Lunch Symposium <i>Run Run Shaw Hall, 1/F</i>			1230 - 1300 Child Life service in Radiology - Let's play! <i>Run Run Shaw Hall, 1/F</i>			
1300 - 1400 AOSPR AGM <i>Banquet Room 1&2, 3/F</i>			1300 - 1400 Lunch Symposium <i>Run Run Shaw Hall, 1/F</i>			
1400 - 1540 Chest Imaging	1400 - 1540 Abdominal Imaging		1400 - 1500 Head & Neck Imaging	1400 - 1500 Radiographer's Stream II	1400 - 1530 Ultrasound Workshop Session 3 <i>Functions Room 1&2</i>	
1540 - 1600 Coffee Break <i>Exhibition Hall</i>			1500 - 1530 Coffee Break <i>Exhibition Hall</i>			
1600 - 1700 Foetal and Post-mortem Imaging	1600 - 1700 B3 Preferred papers	1600 - 1700 Rapid Fire Oral Presentation II	1530 - 1650 Quality and Safety in Paediatric Radiology			
1800 - 2200 Congress Banquet <i>Main Lounge, G/F, Hong Kong Country Club</i>			1650 - 1730 Closing Ceremony			


Posters presentation, Technical Exhibition, Film Quiz

Posters presentation, Technical Exhibition, Film Quiz

*Programme is subject to change without prior notice
 Prior registration is required and on a first-come-first-served basis.



Scientific Program (Day 1)

	Pao Yue Kong Auditorium		Lim Por Yen Lecture Theatre		Foyer, 1/F
Time	Presentation Topic	Speaker	Presentation Topic	Speaker	
0830-0900	Registration				
0900-1000					Rapid Fire Oral Presentation I
0910-1030	Cardiovascular Imaging		B1 Preferred papers		
	Pediatric venous thromboembolism	Dr. Frederic BERTINO			
	What's new in cardiac imaging	Dr. Taylor CHUNG			
	Value of CMR in diagnosing pediatric coronary artery anomaly	Dr. Maggie ZHONG			
	Introduction to paediatric cardiac CT - for the paediatric and general radiologists	Dr. Carol NG			
1030-1045	Coffee Break				
1045-1120	Opening Ceremony				
1120-1300	Multidisciplinary Symposium 1 - Nephro-urological Conditions		Multidisciplinary Symposium 2 - Neuro-imaging/ PNAHK Annual Scientific Meeting 2023		
	Prenatal and postnatal UTD classification	Dr. Dorothy BULAS	Brain tumours in children- whats our value added	Dr. Kish MANKAD	
	MR urography for congenital urinary tract anomaly in children	Prof. Winnie CHU	The SAS, Dodgy Literature & the Law	Prof. Michael DITCHFIELD	
	Diagnosis and endovascular treatment of pediatric renovascular hypertension	Prof. Derek ROEBUCK	Cerebral Vascular Disorders in Children	Prof. Ji Hye KIM	
	Contrast nephropathy in children - myth or reality?	Dr. Eugene CHAN	Neuroimaging in neurometabolic diseases	Dr. Sheila WONG	
	Q&A	Q&A			
1300-1400	Lunch Symposium Sponsored by  Run Run Shaw Hall, 1/F				
	Dual source photon-counting CT: A game changer in pediatric imaging			Mr. Alberto MAURO Ms. Alexandra ZAHN	
	Shaping the next generation of pediatric MRI			Dr. Aurelien Stalder	
	AOSPR AGM Banquet Room 1 & 2, 3/F				

Posters presentation, Technical Exhibition, Film Quiz



Scientific Program (Day 1)

	Chest Imaging		Abdominal Imaging		
1400-1540	Multimodality imaging of the mediastinum and associated abnormalities	Prof. Bernard LAYA	Emergency Abdominal Ultrasound	Dr. Stephen SIMONEUX	
	Imaging of paediatric large airway	Dr. Nathan David CONCEPCION	Diagnostic imaging of neonatal cholestasis	Dr. Shunsuke NOSAKA	
	Thoracic manifestations of systemic diseases	Prof. Maria Pilar GARCIA-PEÑA	Lecture on congenital portosystemic shunt	Prof. Stephanie FRANCHI-ABELLA	
	Chest imaging in immunocompromised children: focused on pediatric transplantation	Dr. Edward LEE	Paediatric MR enterography - update and challenges	Dr. Helen WOODLEY	
	Q&A		Q&A		
1540-1600	Coffee Break				
1600-1700	Foetal and Post-mortem Imaging		B3 Preferred papers	Rapid Fire Oral Presentation II	
	Fetal TORCHZ infections : similar patterns, different outcomes	Prof. Andrés GARCÍA-BAYCE			
	Postmortem imaging for beginners: a whistlestop tour	Dr. Susan SHELMERDINE			
	Foetal Medicine, Pathology, Radiology & Genetics/ Genomics (FMPRG) – Our local experience	Dr. Elaine KAN			
1700-1800	Rest				
1800-2200	Congress Banquet Main Lounge, G/F, Hong Kong Country Club				

Posters presentation, Technical Exhibition, Film Quiz



Scientific Program (Day 1)

B1 Preferred papers*


Time	Topic	Presenting Author
0910-0916	(40) Development of a deep learning model to identify pediatric orbit fractures in radiographs	Dr. Saelin OH
0916-0922	(59) Detection of myocardial fat infiltration in Duchenne muscular dystrophy boys: assessed by threshold segmentation method based on cardiac magnetic resonance native T1 mapping	Dr. Xu HUAYAN
0922-0928	(67) Left atrial function in the postoperative right-sided malformations of congenital heart diseases assessed by CMR	Ms. Yanyan MA
0928-0934	(85) Feasibility of portal vein flow quantitation in pediatric patients using 4D MRI	Dr. Jesse COURTIER
0934-0940	(6) MRI assessment of pancreatic steatosis in obese chinese adolescents with non-alcoholic fatty liver disease: correlation with beta-cell dysfunction and metabolic syndrome	Dr. Catherine YOUNG
0940-0946	(41) Ultrasound guided hydrostatic reduction of paediatric intussusception: single centre experience at a tertiary care centre	Dr. Prasanna KARPAGA KUMARAVEL
0946-0952	(136) Utility of modified CT severity index in prognostication of acute pancreatitis in children	Dr. Yoyo CHIU
0952-0958	(60) A prospective cohort study of Nusinersen in the treatment of spinal muscular atrophy in children with types 2 and 3 on quantitative muscle MRI	Ms. Yuang HUANG
0958-1004	(63) MRI vessel wall imaging in paediatric intracranial vasculopathies	Dr. Long Hin SIN
1004-1010	(22) Reduced hippocampal subfield volume is associated with ventricular septal defect size in preschool children with tetralogy of Fallot	Dr. Yuting LIU
1010-1016	(48) The utility of Diffuse-Weighted Imaging (DWI) visual assessment and Apparent Diffusion Coefficient value measurement (ADC) in predicting tumor grade of intracranial gliomas: a retrospective study	Dr. Gerard VITERBO
1016-1022	(20) Predicting response to initial chemotherapy in pediatric lymphoma using a semi quantitative CECT-based abdomino-thoracic score: a pilot prospective observational study	Dr. Ishan KUMAR
1022-1028	(42) Prognostic value of POST-Treatment Extent of Tumor (POSTTEXT) system in patients with hepatoblastoma	Prof. Hee Mang YOON

B3 Preferred papers#

Time	Topic	Presenting Author
1600-1606	(101) Feasibility of renal artery flow quantitation in pediatric patients using 4D flow MRI	Dr. Tammy KIM
1606-1612	(91) Multi-site, multi-modal imaging-based prediction of feeding difficulties outcome in neonatal hypoxic-ischemic encephalopathy patients	Ms. Yaqin XIA
1612-1618	(47) Angiographic characteristics and transcatheter arterial embolization therapy in kaposiform hemangioendothelioma	Prof. Xiaoyun TAN
1618-1624	(49) Foam sclerotherapy for venous malformations in children: a safe and effective treatment option	Prof. Xiaoyun TAN
1624-1630	(115) Osteoid osteoma radiofrequency ablation: minimally invasive curative procedure	Prof. Nitin Arun DIKSHIT
1630-1636	(128) A simple and practical elbow bone age evaluation using olecranon apophysis in puberty and development of a deep-learning model	Dr. Gayoung CHOI
1636-1642	(99) Hemophilic arthropathy: spectrum of radiographical changes, correlation with clinical severity, and discussion on pitfalls	Dr. Vandana YADAV
1642-1648	(131) Longitudinal changes in MRI biomarkers of the gluteal muscle groups and functional ability in Duchenne muscular dystrophy: a 12-month cohort study	Ms. Yu SONG
1648-1654	(146) Deep learning reconstruction in the pediatric brain DWI: comparison with conventional multi-shot DWI	Dr. Younghun CHOI
1654-1700	(73) Evaluation of glymphatic system activity by diffusion tensor image analysis along the perivascular space index in Rolandic epilepsy	Dr. Lu GAO



Scientific Program (Day 2)

	Pao Yue Kong Auditorium		Lim Por Yen Lecture Theatre		Function Room 1&2, 2/F
Time	Presentation Topic	Speaker	Presentation Topic	Speaker	
0710-0740	Registration				
0740-0800	Covid Special Focus Session <i>James Kung Meeting Room</i>				
	Essentials and updates in pediatric COVID-19 and MIS-C imaging: what radiologists need to know			Dr. Abbey WINANT	
0800-0900	Breakfast Symposium <i>Sponsored by</i>  <i>James Kung Meeting Room</i>				
	Contrast media in paediatric neuroradiology potentialities & cautions			Dr. Kish MANKAD	
0900-1020	MSK Imaging		Radiographer's Stream I		
	Diagnostic errors in children: if I could read this case again	Dr. Supika KRITSANEPAIBOON	Fluoroscopic assessment in speech/swallowing for oncology patients	Ms. Yoyo YIU	
	Vascular anomalies in children (with focus on sclerotherapy)	Prof. Ashley ROBINSON	Preparating paediatrics patients for radiotherapy using virtual reality simulation	Dr. Vincent LEUNG	
	Imaging in paediatric bone tumour	Dr. Hamzaini ABDUL HAMID	The prospects of proton therapy development for pediatric oncology in Hong Kong	Dr. Michael KAM	
Rare skeletal dysplasias, why do we care?	Dr. Joyce CHAN				
1020-1050	Coffee Break				
1050-1230	Multidisciplinary Symposium 3 -Paediatric Oncology		Multidisciplinary Symposium 4 -State of the Art		
	Imaging of common abdominal tumors in children	Dr. Preeyacha PACHARN	Renal CEUS in children	Dr. Jeevesh KAPUR	
	Whole body MRI in paediatric oncology	Prof. Joanna KASZNIA-BROWN	US contrast in the management of paediatric extra-cranial tumour	Dr. Wendy LAM	
	Small wound for small patients-role of IR in children with cancer	Dr. Kevin FUNG	Practical MR of the paediatric chest	Prof. Kushaljit Singh SODHI	
	Immunotherapy for childhood solid tumors	Prof. Godfrey CHAN	FAPI PET imaging in cancer	Prof. Pek-Lan KHONG	
	Q&A		Q&A		

Posters presentation, Technical Exhibition, Film Quiz

0900 - 1030
Ultrasound Workshop Session 1

1100 - 1230
Ultrasound Workshop Session 2



Scientific Program (Day 2)

	Child Life service in Radiology - Let's play! <i>Run Run Shaw Hall, 1/F</i>			
1230-1300	Hospital play service: enhancing positive patient experience in mri and its potential application			Ms. Chiko Chong
	Child life service supports paediatric patients in radiology			Ms. Carmen MA
1300-1400	Lunch Symposium <i>Sponsored by TIME MEDICAL SYSTEMS</i> <i>Run Run Shaw Hall, 1/F</i>			
	Imaging diagnosis of children congenital heart disease in mainland China and update on the pediatric MRI imaging			Prof. Ming ZHU
1400-1500	Head & Neck Imaging		Radiographer's Stream II	
	Pediatric conductive hearing loss – where to look and what to look for	Dr. Amy JULIANO	Contrast-enhanced voiding urosonography	Dr. Kin-Hung LIU
	Imaging of congenital pharyngeal arch-related anomalies	Dr. Tatsuo KONO	Cardiac CT imaging	Mr. Mike LAI
	US approach to pediatric thyroid nodule	Dr. Monica EPELMAN	MRI microscopic imaging	Ms. Maggie CHIU
1500-1530	Coffee Break			
1530-1650	Quality and Safety in Paediatric Radiology			Ultrasound Workshop Session 3
	Beyond dose: the quality paradigm for pediatric CT	Dr. Donald FRUSH		
	Radiation dose monitoring in children	Dr. Adson LEUNG		
	High rate of wrong diagnosis in children, what can be done	Prof. Stephanie FRANCHI-ABELLA		
	Practical aspects of MR safety	Dr. Timothy CAIN		
1650-1730	Closing Ceremony			

Posters presentation, Technical Exhibition, Film Quiz



Abstract

Multidisciplinary Symposium 2 - Neuro-imaging /PNAHK Annual Scientific Meeting 2023

Brain tumours in children – what is our value added?



Dr. Kish MANKAD

*Clinical Lead,
Paediatric Neuroradiology,
Great Ormond Street Hospital,
UK*

Day 1 2 September 2023, Saturday 1120 - 1300

Every revision to the WHO classification of Brain Tumors expanded the tumor subtypes confronted by the reading Radiologist. While it has been a challenge to come to terms with the expanding landscape of molecularly subdivided tumor types, it is time to pause and take a reality check on what exactly is our value added. Where does Radiology fit in, in terms of localization, characterization and prediction of histology, as well as biology of these new entities, and further on, what is our bigger role in terms of response assessment to traditional and emerging therapy options. This will be the essence of my presentation.



Abstract

Multidisciplinary Symposium 2 - Neuro-imaging /PNAHK Annual Scientific Meeting 2023

The SAS, dodgy literature & the law



Day 1 2 September 2023, Saturday 1120 - 1300

Prof. Michael DITCHFIELD

*Head of Paediatric Imaging
Monash Health and Monash University,
Australia*

This presentation is about the subarachnoid space (SAS), dodgy literature and the law. It will cover how an argument is being made in Courts that Benign Enlargement of the SAS leads to spontaneous subdural haemorrhage, brain and haemorrhage, retinal haemorrhage and death.

Juries or judges in Court usually do not have a scientific background. As an expert witness in a nonaccidental injury case it is our role to explain, using our medical experience and the literature, what are the likely explanation of injuries. We now face poor quality medical literature that is used by the defence to create doubt in the minds of juries and judges and has been used to overturn convictions. The existence of this literature shines a light on our peer review process and the responsibility of journals to ensure that their publications are scientifically based.

This presentation will cover the fallacies of the defence argument and how as an expert witness we can attempt to address it.



Abstract

Multidisciplinary Symposium 2 - Neuro-imaging /PNAHK Annual Scientific Meeting 2023 Cerebral Vascular Disorders in Children



Day 1 2 September 2023, Saturday 1120 - 1300

Prof. Ji Hye KIM

*Professor,
Department of Radiology,
Samsung Medical Center, Sungkyunkwan University,
School of Medicine,
Korea*

Although Cerebral Vascular Disorders are not common in Children, it is a main cause of non-traumatic intracranial hemorrhage after neonatal period. In this lecture, I will review imaging manifestations of cerebral vascular malformations including AVM, DVA, and cavernous malformations in pediatric patients, several vasculopathies causing steno-occlusive lesions of the cerebral vessels result in childhood stroke, venous sinus thrombosis associated with variable clinical settings, and briefly discuss a role of diverse imaging modalities.



Abstract

Multidisciplinary Symposium 2 - Neuro-imaging /PNAHK Annual Scientific Meeting 2023

Neuroimaging in neurometabolic diseases



Day 1 2 September 2023, Saturday 1120 - 1300

Dr. Sheila WONG

*Associate Consultant,
Department of Paediatrics & Adolescent Medicine,
Hong Kong Children's Hospital,
Hong Kong China*

To date, more than 1,450 disorders have been included in the International Classification of Inherited Metabolic Disorders (ICIMD) and most of them exhibit different degrees of neurological involvement. More and more of those inherited neurometabolic disorders are potentially treatable. Advances in neuroimaging help neurologist in both the diagnostic and management journey of these inherited neurometabolic disorders. In this talk, the use of neuroimaging from a paediatric neurologist's perspective with case examples will be discussed.

