

Unifying Pediatric Clinical Imaging Practice Across Asia and Oceania: The 20th Virtual Annual Scientific Meeting of the Asian and Oceanic Society for Paediatric Radiology

Mariaem M. Andres^{1,2,3}, Joanna Marie D. Choa-Go^{4,5,6}, Nathan David P. Concepcion^{1,2}

The Asian and Oceanic Society for Paediatric Radiology (AOSPR) is a society of Pediatric 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, covering all countries in between. The Society aims to establish close ties with the many regional national societies and maintain close ties with the international Pediatric Radiology community. AOSPR is dedicated in promoting the Pediatric Radiology practice in the region and improve healthcare standards in the imaging of children through cooperative research, teaching and education.

The Annual AOSPR Congress has always been held face-to-face in various countries in the Asia-Oceania Region since the year 2000. However, due to the prevailing pandemic, the 2022 event was held virtually. The hosts of the AOSPR 2022 Congress were the Philippine Society for Pediatric Radiology (PSPR) and Philippine College of Radiology - Southern Mindanao Chapter (PCR-SMC), with support from the AOSPR and Philippine College of Radiology (PCR).

¹ Section of Pediatric Radiology, Institute of Radiology, St. Luke's Medical Center – Global City, Philippines

² Section of Pediatric Radiology, Institute of Radiology, St. Luke's Medical Center – Quezon City, Philippines

³ Department of Radiology, St. Luke's Medical Center College of Medicine - William H. Quasha Memorial, Philippines

⁴ Department of Radiology, The Doctors' Hospital, Inc., Bacolod City, Negros Occidental, Philippines

⁵ Department of Diagnostic Imaging and Radiologic Sciences, Corazon Locsin Montelibano Memorial Regional Hospital, Bacolod City, Negros Occidental, Philippines

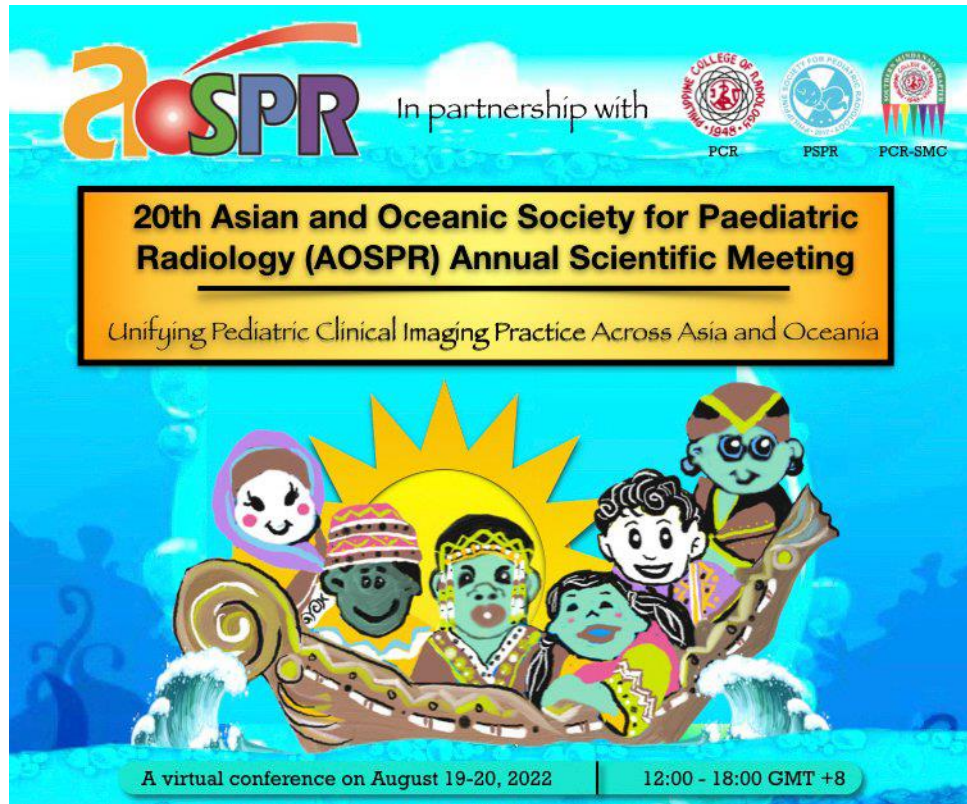
⁶ Department of Radiology, University of St. La Salle College of Medicine, Bacolod City, Negros Occidental, Philippines

This two half-day academic activity with poster (Fig. 1) and theme, “*Unifying Pediatric Clinical Imaging Practice Across Asia and Oceania*”, was held on August 19-20, 2022, comprising a mix of basic and advanced topics, which are meant to cater not only to pediatric radiology subspecialists and general radiologists, but also to clinicians, trainees, radiologic technologists and medical students.

The main objective is to promote and strengthen the practice of Pediatric Radiology in Asia and Oceania. The course also aimed to help standardize the practice by introducing recommended practice guidelines and algorithms in areas covered during the course, and to serve as an avenue for presenting and highlighting the advances in technology, resources, and capabilities pertaining to various imaging modalities in the pediatric population.

The congress was graced by the AOSPR President, Dr. Timothy Cain; PCR President, Dr. Imarzen V. Elepaño; PSPR President, Prof. Bernard F. Laya; PCR-SMC President, Dr. Maria Theresa T. Sanchez; and Immediate PCR President and Metro Davao Medical Society, Inc. (MDMSI) President, Dr. Maria Lourdes B. Lacanilao, who each gave their opening Keynote messages.

Fig. 1 Official poster of AOSPR 2022



THE EXPERTS AND THE AUDIENCE

AOSPR 2022 Virtual Congress was divided into four main sessions namely: Session 1 - Special Interest session moderated by Dr. Nathan David P. Concepcion (PSPR), Session 2 - Chest Imaging moderated by Drs. Ronald J. de Castro (PCR-SMC) and Mariaem M. Andres (PSPR), Session 3 - Gastrointestinal Imaging moderated by Drs. Maricar P. Reyes (PSPR) and Sagisag Dadap (PCR-SMC), and Session 4 - Genitourinary Imaging moderated by Dr. Maria Lourdes B. Lakanilao (PCR-SMC) and Prof. Bernard F. Laya (PSPR).

There was a total of 17 distinguished (15 international and two Filipino) pediatric imaging experts. Scientific presentations were delivered through a combination of lectures and case-based review, with emphasis on the importance of clinico-radiologic approach. The following were the guest speakers of AOSPR 2022 (Fig. 2) with their country of origin in parentheses and corresponding lecture topics:

Session 1 – Special Interest

Prof. Winnie Chu (Hong Kong) - Radiation Protection in Children;
Dr. Jaishree Naidoo (South Africa) - Artificial Intelligence in Pediatric Radiology
Prof. Dorothy Bulas (USA) - Advances in Fetal MRI
Prof. Kieran McHugh (UK) - Pitfalls in Pediatric Oncologic Imaging

Session 2 – Chest Imaging

Prof. Osamu Miyazaki (Japan) - Pediatric Chest Tumors
Prof. Pedro Daltro (Brazil) - Congenital Lung Malformations
Prof. Paul Guillerman (US) - Interstitial Lung Disease
Associate Prof. Supika Kritsaneepaiboon (Thailand) - Post-Operative Congenital Heart Disease

Session 3 – Gastrointestinal Imaging

Dr. Joanna Kasznia-Brown (UK) - Advanced Imaging of the Small Bowel
Prof. Yumin Zhong (China) - Appendicitis in Children: Ultrasound or CT?
Asst. Prof. Jeevesh Kapur (Singapore) - Jaundice in Children
Prof. Kushalhit Singh Sodhi (India) - Pancreatic Diseases in Children

Session 4 – Genitourinary Imaging

Dr. Angelo Don Grasparyl II (Philippines) - Acute Pediatric Scrotal Abnormalities and Mimics
Prof. Hamzaini Abdul Hamid (Malaysia) - Imaging of UTI and Associated Anomalies in Children
Prof. Hye-Kyung Yoon (Korea) - Renal Masses and Mass-like Lesions

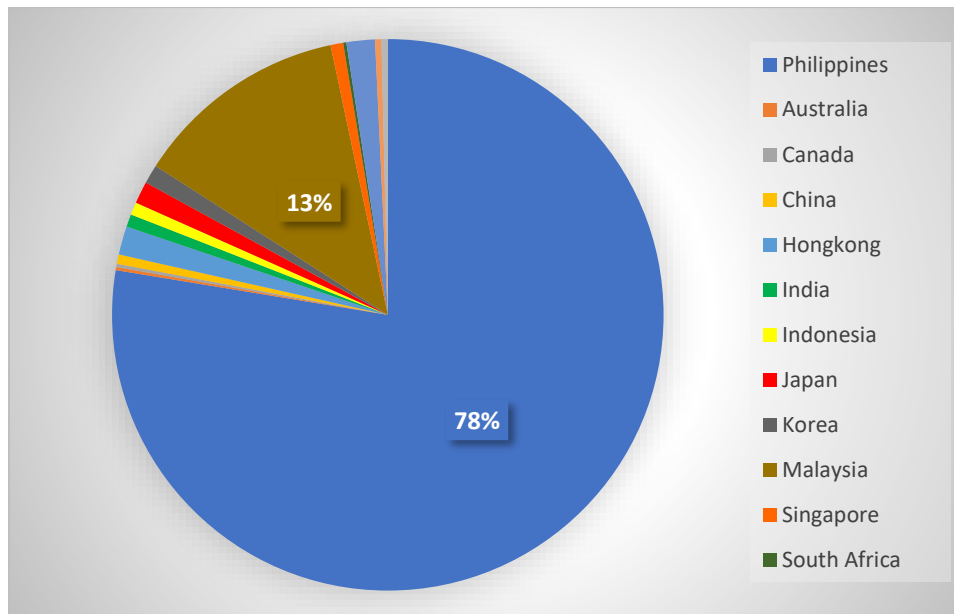
At the start of Session 4, a special feature was presented by Prof. Wendy Lam, MD (Hong Kong) on Radiographs to Photographs: Art and Hobbies as Expressions of Self Care; and before the closing ceremonies, Dr. Jacqueline Austine Uy (Philippines) discussed the answers of the Pediatric Radiology Quiz (*please see pages 52–59 of this volume*).

Fig. 2 Distinguished list of international and local Pediatric Radiologists



A total of 419 local (78%) and 136 delegates from various countries, 13% of which from Malaysia attended virtually. (Fig. 3)

Fig. 3 Distribution of attendees by country



RESEARCH

A research competition was also held during the two-day event showcasing the varied cases and investigatory projects being conducted globally with regards to pediatric imaging. There were 21 papers accepted and designated as an oral (5) or poster (16) presentation based on the preliminary screening. Being a purely virtual platform, all poster submissions were electronic and the oral presentations were pre-recorded. The enthusiasm and creativity of the participants were well appreciated from the materials they have submitted to this congress.

Esteemed judges were invited to evaluate the submitted presentations. For the electronic scientific posters, the judges were Dr. Timothy Cain (Australia) as chairperson, Dr. Angela Villanueva (Philippines), and Dr. Ji Hye-Kim (Korea). For the oral paper presentation, the judges were Dr. Joanna Marie Choa-Go (Philippines) as chairperson, Dr. Nathan David Concepcion (Philippines), and Dr. Jaishree Naidoo (South Africa).

The 15 accepted poster presentations were made available for viewing in the AOSPR 2022 convention website during the event and were also presented briefly during the event itself. Only three pre-recorded oral paper presentations were submitted and shown during the first day of the conference, followed by a brief question-and-answer segment by the panel of judges.

The winners were announced by the chairperson of the research committee, Dr. Joanna Marie D. Choa-Go, during the closing ceremony. The winners of the research competition were the following:

ORAL PAPER PRESENTATION

First place: MR Imaging of the Neonatal Brain: Challenges, Perspectives, and Spectrum

Authors: Dr. A. Ebinesh A, Dr. A. Manchanda, Dr. R. Dixit, Dr. P. Das, Dr. G. Krishna, Dr. A. Kumar (India)

Second place: Clinical utility of the DWI ratio in characterizing primary brain neoplasms in pediatric patients: a 5-year retrospective study in a tertiary hospital in the Philippines

Authors: Dr. S. C. Urquiza, Dr. R. J. DL. Urgel, Dr. A. C. Camacho, Dr. R. E. Fragante (Philippines)

Third place: A series of pediatric presacral tumors with intraspinal extension: lessons from imaging

Authors: Dr. A. Ebinesh, Dr. A. Ashta, Dr. A. Prakash, Dr. A. Garg, Dr. P. Das (India)

ELECTRONIC SCIENTIFIC POSTERS

First place: Case Series: Synchronous Intracranial Atypical Teratoid/Rhabdoid Tumor (AT/RT) and Extracranial Malignant Rhabdoid Tumor

Authors: Dr. S. H. Ramli, Dr. C. Z. C. Daud, Dr. N. M. Said (Malaysia)

Second place: Tuberculous Immune Reconstitution Inflammatory Syndrome (TB-IRIS) in an Immunocompetent Child: A Case Report.

Authors: Dr. F. N. M. Nasir, Dr. C. Z. C. Daud (Malaysia)

Third place: Association between germinal matrix hemorrhage at the first week of life and perinatal factors of preterm neonates born at St. Luke's Medical Center

Authors: Dr. A. C. A. Elio and Dr. M. M. Andres (Philippines)

ORGANIZING COMMITTEE

The Organizing Committee was composed of board members of the PCR-SMC and PSPR as well as IdeaHub IT Solutions Provider and residents of St. Luke's Medical Center.

Chairpersons	Maria Lourdes B. Lacanilao, MD Prof. Bernard F. Laya, MD, DO Maria Theresa T. Sanchez, MD
Scientific Programme	Prof. Bernard F. Laya, MD, DO
Ways and Means	Maria Theresa T. Sanchez, MD
Marketing and Promotions	Maria Lourdes B. Lacanilao, MD Mariaem M. Andres, MD
Registration	IdeaHub IT Solutions Provider
Continuing Professional Development	Mariaem M. Andres, MD
Research	Joanna Marie D. Choa-Go, MD Nathan David P. Concepcion, MD

Certificates and Awards

Marl Andrew B. Valdez, MD

Digital Art Directors

Kevin Ryan T. Yu, MD
Joseph Marce P. Baluyut, MD
Kevin Carlyle S. Vivar, MD

AOSPR 2022 organizing committee gratefully acknowledges and greatly appreciates the educational support of the following sponsors: Fujifilm, Elan Vita Diagnostic Solutions, IDSMed Philippines, Jasmef Enterprises, Dryws Enterprise, Berovan Marketing, Medilines, Robustan, Arcorp Medical Enterprises, RBJ Comtrex and Shimadzu.