

SIG PAEDIATRIC IMAGING WEBINAR

an update by

Dr. Dr. Hasyima Abu Hassan, SIG Paediatric Imaging Webinar Organising Chairperson

Paediatric Radiology Webinar held on 30 January 2021 covered imaging of fetuses, neonates, infants, children, and adolescents, which encompasses a broad spectrum of conditions, illnesses, and diseases, thus making it unique as those subspecialised in it get to be "general specialists." Some people, including yours indeed, find the field a bit daunting and overwhelming because of its complexity. However, the webinar aimed to attract more people to embrace Paediatric Radiology with its simplicity and straightforward approach by concentrating on paediatric ultrasound and plain radiographs. With the tagline "Simple is the best," we divided the webinar into two sections - Pearls and Pitfalls in Paediatric Ultrasound and Beyond the Shades of Grey in plain radiographs. Topics for ultrasound - Cranial, Spine, and Hip ultrasound examinations and topics for plain radiography - plain radiographs in disease of prematurity, neonatal chest, paediatric abdomen, and radiographic approach in skeletal dysplasia.

Mr. Cain Brockley, Chief Sonographer at Royal Children's Hospital, Melbourne, spoke on The Pearls and Pitfalls of Paediatric Ultrasound, concentrating on 3 agreed topics. He has had more than 20-year experience in Paediatric Ultrasound. He was involved in the training of the sonographers across Australia. Mr. Brockley was also involved in multiple types of research pertaining Paediatric Ultrasound Application, in vocal cord palsy evaluation, and cranial Doppler Ultrasound in Sickle Cell Disease, to name a few.

Ms. Marian Ab Malik, representative of Canon Medical System Malaysia for the industrial talk between the two webinar sessions is a Senior Clinical Application Specialist Ultrasound for Canon Medical.

Dr. Che Zubaidah Che Daud, a Senior Consultant Paediatric Radiologist at Hospital Tunku Azizah Kuala Lumpur, formerly the Women and Children Hospital Kuala Lumpur has more than 10-year experience in paediatric imaging, with special interest in gastrointestinal ultrasound, chest and musculoskeletal imaging and has countless experiences as invited speaker for local and international conferences.

Planning and organizing this Paediatric Imaging webinar using pre-recorded presentations was an invaluable experience. We hope to utilize the skills that we acquired and the lessons learned for many more such opportunities in the future.

Dr. Noryati Mohammad has had more than 10-year experience in Paediatric Imaging and is currently a Senior Consultant Paediatric Radiologist at Hospital Sultan Ismail, Johor Bahru. Her pursuit of Paediatric Neuroradiology spanned 3 continents, from Singapore to London and the United States of America. She is the expert committee in National Epilepsy and Cochlear Implant meetings. Her vast knowledge in paediatric imaging was shared locally and internationally as an invited speaker at various conferences.

Associate Professor Dr. Faizah Mohd Zaki, a Consultant Paediatric Radiologist and Senior Lecturer at the National University of Malaysia. She has had more than 5-year experience in paediatric imaging with special interest in paediatric Neuroradiology. She did her fellowship training at the Sick Kid Hospital, Toronto, in both general paediatric and

paediatric neuroimaging. With a background in research, she has presented at various conferences, locally and internationally.

Dr. Hasyma Abu Hassan, a Consultant Radiologist and Associate Professor at Universiti Putra Malaysia. As a new member of the fraternity, after completing a one-year fellowship training at the Royal Children's Hospital, Melbourne, and with less than 3-year experience in paediatric imaging, there is not much to say about me. However, it was a privilege to be able to share my limited knowledge with COR members.

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Coronal View - Technique



To obtain a true coronal plane ensure that probe face is parallel with the patient's body.

Ventricular Measurements

Healthy Low Risk Term Boys	1-2 Days of Age	4 Months	8 Months
AHW (mm)	2.2 (0 - 4.4)	6.5 (3.1 - 9.9)	6.8 (3.0-10.6)
Third Ventricle Width (mm)	1.3 (0 - 3.5)	2.6 (0 - 5.6)	3.5 (0.7 - 6.3)

Healthy Low Risk Term Girls	1-2 Days of Age	4 Months	8 Months
AHW (mm)	2.1 (0 - 4.7)	5.8 (2.2 - 9.4)	6.0 (3.0 - 9.0)
Third Ventricle Width (mm)	1.4 (0 - 3.4)	3.1 (0 - 6.5)	3.5 (1.1 - 5.9)

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Thank you