

PROGRAM



THE INTERNATIONAL PEDIATRIC

RADIOLOGY

8TH CONJOINT CONGRESS & EXHIBITION

Rome, October 11 –15, 2021

& Pre-course Colloquia October 10-11, 2021

Building on the Classics: History, Innovation and Inspiration

IPR Presidents: Andrea Rossi - J Damien Grattan-Smith





Under the Patronage of:



**ASSOCIAZIONE ITALIANA DI NEURORADIOLOGIA
DIAGNOSTICA E INTERVENTISTICA**



AFRICAN SOCIETY OF PAEDIATRIC IMAGING



ASIAN AND OCEANIC SOCIETY FOR PAEDIATRIC RADIOLOGY



SOCIETA' ITALIANA DI RADIOLOGIA MEDICA E INTERVENTISTICA



SOCIEDAD LATINO AMERICANA DE RADIOLOGIA PEDIATRICA



WORLD FEDERATION OF PEDIATRIC IMAGING



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CHILD ABUSE PRE-COURSE COLLOQUIUM

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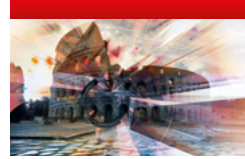
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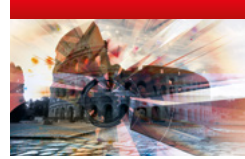
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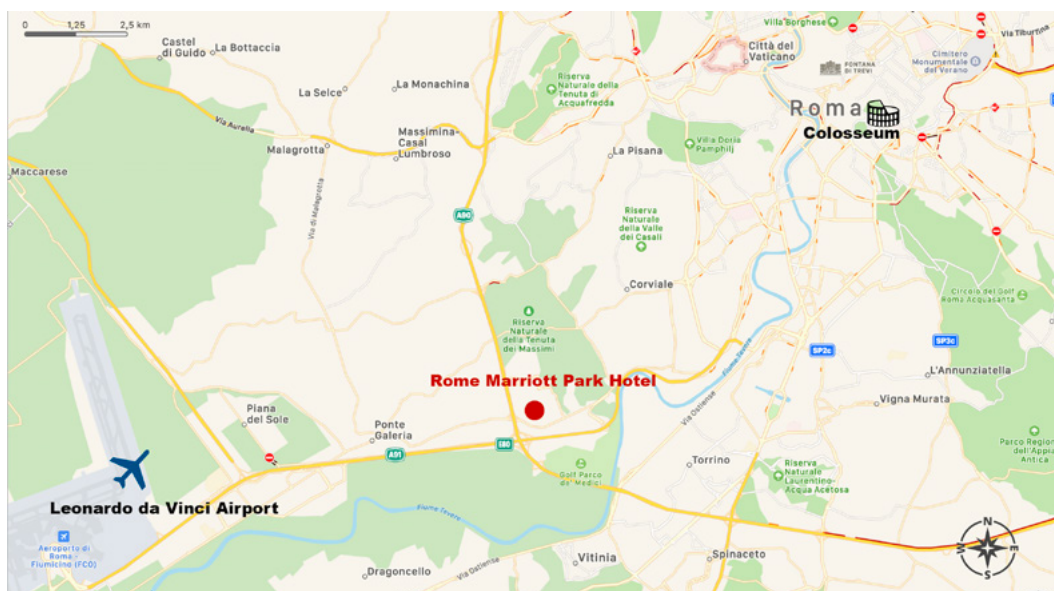


CONGRESS VENUE

Rome Marriott Park Hotel

Via Colonello Tommaso Masala, 54
00148 Rome, Italy

Marriott International has redefined processes and reimagined spaces to align with expert **protocols on cleanliness**. Marriott Cleanliness Council has elevated its rigorous protocols, redefining the cleaning and safety standards.





COVID-19 and IPR Congress 2021

The health and safety of our conference attendees and exhibitors is a priority. The IPR congress turned to a “hybrid” system thanks to which some speakers will be on site and others will be home. This choice will result in a decrease of on-site participants as present measure allowing many others to be remotely connected.

There has been an additional re-organization of the spaces dedicated to the congress to respect the distancing of the seats as current rules will state.

- Staff will oversee room capacity and prevent people from gathering
- Consumption of food and beverages will be restricted to designated areas.
- Hand sanitizing stations will be available in the common areas
- Only a luggage storage service will be foreseen (no cloakroom for personal item), in order to avoid contamination.

Measures to prevent covid specific for participants

- Participants are invited to pre-register online on the official Congress website to speed the onsite registration process and avoid queues or gatherings at the Organizing secretariat desks.
- Once you pick up the badge, from the second day on, you will just have to have the badge read at the entrance.
- We ask that all participants use discretion in attending the event. If you are feeling ill or exhibiting any symptoms of COVID-19, please exercise common sense and do not attend the conference that day. When in doubt, get medical attention for an appropriate diagnosis.
- Personnel in charge will check if participants wear their compulsory mask or invite to wear it and well as sanitizing their hands.
- Social distancing will be required in session rooms or meal functions.
In the meeting room reduced seats will be available according to the current rules for social distancing

Measures to prevent covid specific for speakers and moderators

- Staff will sanitize all the items used during the speeches including speakers’ table and also all the items in the speakers’ ready room
- During the lunch break a complete sanitization of all meeting rooms will be ensured.



SCIENTIFIC COMMITTEE

Co-President (ESPR): **Andrea Rossi**

Co-President (SPR): **Damien Grattan-Smith**

SCIENTIFIC BOARDS

Special Advisor to the Presidents

Rutger-Jan Nievelstein

Honorary President

Paolo Tomà

Categorical Course

Owen Arthurs, Jean-François Chateil, Jeanne (Mei-Mei) Chow, Josee Dubois

Scientific Sessions

Brandon P. Brown, Maria Beatrice Damasio, Maarten Lequin, Lil-Sofie Ording-Muller, Erika Rubesova, Teresa Victoria

Sunrise Sessions

Maria Argyropoulou, F. Wolfgang Hirsch, Jeannette Perez-Rossello, Mahesh Thapa

IPR Olympics

Thierry Huisman, Rutger-Jan Nievelstein (Utrecht, The Netherlands)

Junior IPR

Maddy Artunduaga, Pablo Caro, Julian Jürgens, Fiammetta Sertorio, Elizabeth Snyder

Pre-course Colloquia

Owen Arthurs, Gabrielle Colleran, Arabinda Choudhary, Richard Jones, Joanna Kasznia-Brown, Mariana Meyers, Antonio Napolitano, Amaka Offiah

Cases of the Day Organisers

Neil D. Johnson (Cincinnati, USA)

Aurelio Secinaro (Rome, Italy)

Christopher Sternal-Johnson (Cincinnati, USA)



REGISTRATION DESK OPENING HOURS

Sunday, October 10	08.30-17.30
Monday, October 11	07.30-19.00
Tuesday, October 12	07.30-18.00
Wednesday, October 13	07.00-13.00
Thursday, October 14	07.00-18.00
Friday, October 15	08.00-18.00

CME ACCREDITATION

The **IPR2021 - The International Pediatric Radiology 8th Conjoint Congress & Exhibition, Rome (hybrid), Italy, 10/10/2021-15/10/2021** has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 33 European CME credits (ECMEC®s). Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.

Through an agreement between the Union Européenne des Médecins Spécialistes and the American Medical Association, physicians may convert EACCME® credits to an equivalent number of AMA PRA Category 1 Credits™. Information on the process to convert EACCME® credit to AMA credit can be found at

www.ama-assn.org/education/earn-credit-participation-international-activities.

Live educational activities, occurring outside of Canada, recognised by the UEMS-EACCME® for ECMEC®s are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada.

Participants will receive a dedicated link to access the UEMS platform which will be available starting from October 20, 2021 at 9:00 (CEST/UTC+2) up to January 22, 2022. You have to enter by using the same email and access code received to access the congress platform the very first time

On site participants have to scan the barcode printed on the paper badge in the barcode readers at the entrance of the congress main foyers (Michelangelo and Tiziano). On site attendance will be registered and combined with the online UEMS attendance.

Starting from 25 January 2022, all UEMS credits will be assigned. To obtain the credits you have to fill in the online questionnaire and then you can download the UEMS certificate.

At the same link it is also possible downloading the attendance certificate after filling the survey questionnaire



THE PEDIATRIC RADIOLOGY SUPPLEMENT

In the showreel bar on the top of the virtual platform, by clicking on **CLICK HERE TO VIEW THE PEDIATRIC RADIOLOGY SUPPLEMENT** you will be connected to the Pediatric Radiology Supplement containing all the accepted abstract of the congress. The Supplement is available up to December 31, 2021

OLYMPICS 2021

Thursday October 14, 13:50-15:15

The IPR Olympics will be "The Event" of the Rome meeting. Top notch experts will compete on 6 different categories of cases on behalf of the ESPR or SPR.

Audience participation will make this session even more exciting. See expert friends being puzzled by so called straightforward cases. This is a fun event with lots of didactic moments. We have also included some surprising trivia questions about Rome.

Don't miss this highlight of the meeting. Thierry A. Huisman and Rutger-Jan Nievelstein will serve as your quiz masters.

IPR 2021 ONLINE CASES OF THE DAY

Tuesday October 12- Friday, October 15, 2021 - 07:00 to 17:00

Sponsored by World Federation of Pediatric Imaging

Go to <https://www.iprcases.org/>

- 1) Register Once - It's secure...Facebook will never know!
- 2) Log in each day
- 3) Submit your answers - On any Internet connection device
- 4) Check back daily and see how you performed

The cases will be available each day of the IPR at 06:00 Rome time and close for answers at 17:00 Rome time.

At 17:01, each day the answers will be available at the iprcases web site and participants will each get individualized private online feedback on their answers and scoring etc

No CME accreditation is foreseen for the Cases of the day



IPR 2021 PRE-COURSE COLLOQUIA - OCTOBER 10-11, 2021					SUNDAY, OCTOBER 10, 2021	
	MICHELANGELO PLENARY ROOM	TIZIANO 1 ROOM	TIZIANO 2 ROOM	TIZIANO 3 ROOM	CARAVAGGIO ROOM	BRAMANTE ROOM
08:00-11:00						
11:00-12:00		Pre-Course Colloquium Post-mortem - The basics Session III-A	Pre-Course Colloquium WFPI - Epidemics and pandemics The role of the pediatric radiologist Session II-A	Pre-Course Colloquium Child Abuse - Bones (I) Session IV-A	Pre-Course Colloquium Feto-placental Imaging Session I-A	Pre-Course Colloquium Feto-placental Imaging Session I-A
12:00-13:00						Pre-Course Colloquium Advanced Pediatric MRI - MR Urography, Session V-D1
13:00-14:15	Lunch Break					
14:15-15:15		Pre-Course Colloquium Post-mortem - The technique Session III-B	Pre-Course Colloquium WFPI - Imaging of tuberculosis past or current problem? Session II-B	Pre-Course Colloquium Child Abuse Body, blood & bones (II) Session IV-B	Pre-Course Colloquium Feto-placental Imaging Session I-B	Pre-Course Colloquium Advanced Pediatric MRI - Neonatal imaging Session V-B1
15:15-15:45						Pre-Course Colloquium Advanced Pediatric MRI - Myelin imaging Session V-B2
15:45-16:15	Break					
16:15-17:45		Pre-Course Colloquium Post-mortem - The main findings Session III-C	Pre-Course Colloquium WFPI - Paediatric MRI – worldwide approach Session II-C	Pre-Course Colloquium Child Abuse - Evolving techniques Session IV-C	Pre-Course Colloquium Feto-placental Imaging Session I-C	Pre-Course Colloquium Advanced Pediatric MRI - Cardiac MRI Session V-C



IPR 2021 PRE-COURSE COLLOQUIA - OCTOBER 10-11, 2021					MONDAY, OCTOBER 11, 2021	
	MICHELANGELO PLENARY ROOM	TIZIANO 1 ROOM	TIZIANO 2 ROOM	TIZIANO 3 ROOM	CARAVAGGIO ROOM	BRAMANTE ROOM
08:30-09:15		Pre-Course Colloquium Post-mortem Reporting and correlating with pathology Session III-D	Pre-Course Colloquium WFPI - Pediatric ultrasound who, how and where Session II-D	Pre-Course Colloquium Child Abuse - Brain Session IV-D	Pre-Course Colloquium Feto-placental Imaging Session I-D	Pre-course Colloquium Advanced Pediatric MRI - MR fingerprinting & quantitative MR Session V-A2
09:15-10:00						Pre-course Colloquium Advanced Pediatric MRI Arterial spin labeling (ASL) perfusion Session V-D2
10:00-10:30	Break					
10:30-11:15		Pre-Course Colloquium Post-mortem Session III-E	Pre-Course Colloquium WFPI - Paediatric ultrasound forgotten tool Session II-E	Pre-Course Colloquium Child Abuse - Medico-Legal Session IV-E	Pre-Course Colloquium Feto-placental Imaging Session I-E	Pre-Course Colloquium Advanced Pediatric MRI - A physician's guide to DTI Session V-E1
11:15-12:00						Pre-Course Colloquium Advanced Pediatric MRI Neuro Oncology: the role of MRI in the treatment of pediatric brain tumors Session V-E2
12:00-13:00	Lunch Break					
IPR 2021 CONGRESS - OCTOBER 11-15, 2021					MONDAY, OCTOBER 11, 2021	
13:00-14:50			Categorical Course I-A Neuro/head&neck: the essentials		Categorical Course I-B Cardiac: tips for specialists	
15:00-15:30	Break					
15:30-16:50			Categorical Course II-A Cardiac: the essentials		Categorical Course II-B Neuro/head&neck: tips for specialists	
17:00-17:30	Opening Ceremony					
17:30-19:00	Opening Lecture					
19:00-22:00	WELCOME RECEPTION					



IPR 2021 CONGRESS - OCTOBER 11-15, 2021					TUESDAY, OCTOBER 12, 2021	
	MICHELANGELO PLENARY ROOM	TIZIANO 1 ROOM	TIZIANO 2 ROOM	TIZIANO 3 ROOM	CARAVAGGIO ROOM	BRAMANTE ROOM
08:00-09:30			Categorical Course III-A Musculoskeletal: the essentials		Categorical Course III-B Gastrointestinal: tips for specialists	
09:30-10:00	Break					
10:00-11:45	Scientific Session I-A NEURO Cutting edge imaging of the neonatal brain	Scientific Session I-C GENITOURINARY Updates: genetic causes of renal abnormalities	Scientific Session I-B CARDIAC 3D MR imaging of the fetal heart		Scientific Session I-D ONCOLOGY Hybrid imaging in predisposing conditions	
12:00-13:00			12:15-13:00 Lunch Symposium		Lunch Break	
13:10-14:15	Jacques Lefebvre/Edward B. Neuhauser Lecture					
14:15-15:15			Categorical Course IV-A Gastrointestinal: the essentials		Categorical Course IV-B Musculoskeletal: tips for specialists	
15:15-15:45	Break					
15:50-16:50	Scientific Session II-A CHEST The floppy windpipe: Is it always tracheomalacia?	Scientific Session II-C WORKING TOGETHER Celebrating the 10th Anniversary of the WFPI	Scientific Session II-B CONTRAST MATERIALS New techniques in MR vascular imaging		Scientific Session II-D Image Gently/Eurosafe Pediatric CT diagnostic reference levels: paradigm or paradox?	
17:00-18:15	ESPR & SPR Awards and Honorary Members Ceremony					
20:00-23:30	JESPER (Junior Evening)					



IPR 2021 CONGRESS - OCTOBER 11-15, 2021					WEDNESDAY, OCTOBER 13, 2021	
	MICHELANGELO PLENARY ROOM	TIZIANO 1 ROOM	TIZIANO 2 ROOM	TIZIANO 3 ROOM	CARAVAGGIO ROOM	BRAMANTE ROOM
07:30-08:20	Sunrise Session I-A Education	Sunrise Session I-C Musculoskeletal	Sunrise Session I-B Nuclear medicine			
08:30-10:00			Categorical Course V-A Genitourinary: the essentials		Categorical Course V-B Interventional: tips for specialists	
10:00-10:30	Break					
10:30-11:30			Categorical Course IV-A Interventional: the essentials		Categorical Course VI-B Genitourinary: tips for specialists	
11:35-13:15	Scientific Session III-A NEURO From structural to functional pediatric neuroimaging	Scientific Session III-C GENITOURINARY New approaches to detect damage to the pediatric kidney	Scientific Session III-B CARDIAC 4D flow MRI		Scientific Session III-D ONCOLOGY Current controversies in childhood cancer	
FREE AFTERNOON						



IPR 2021 CONGRESS - OCTOBER 11-15, 2021					THURSDAY, OCTOBER 14, 2021	
	MICHELANGELO PLENARY ROOM	TIZIANO 1 ROOM	TIZIANO 2 ROOM	TIZIANO 3 ROOM	CARAVAGGIO ROOM	BRAMANTE ROOM
07:30-08:20	Sunrise Session II-A Technology & AI	Sunrise Session II-C Radioprotection	Sunrise Session II-B Neuro			
08:30-10:00			Categorical Course VII-A Oncology: the essentials		Categorical Course VII-B Thoracic: tips for specialists	
10:00-10:30	Break					
10:30-11:55	Scientific Session IV-A NEURO Are genes or environments in control with CNS diseases?	Scientific Session IV-C THORACIC Fifty shades of lymphatic imaging: visualization of the invisible vessels	Scientific Session IV-B GASTROINTESTINAL Star Trek here we come! Changes in abdominal imaging and biological markers		Scientific Session IV-D NUCLEAR MEDICINE The world of PET/MR	
12:00-12:30	JESPeR Lecture					
12:45-13:45			13:00-13:30 Lunch Symposium	Lunch Break		
13:50-15:15	IPR Olympics Panel					
15:20-16:20			Categorical Course VIII-A Thoracic: the essentials		Categorical Course VIII-B Oncology: tips for specialists	
16:20-16:50	Break					
16:50-18:00	Scientific Session V-A ARTIFICIAL INTELLIGENCE AND INFORMATICS Integrating AI tools into pediatric radiology practice	Scientific Session V-C ONCOLOGY Late effects in survivors of childhood cancer, brain and spine	Scientific Session V-B EDUCATION AND CAREER DEVELOPMENT		Scientific Session V-D NUCLEAR MEDICINE Theranostics: more than just a difficult word to pronounce	



IPR 2021 CONGRESS - OCTOBER 11-15, 2021					FRIDAY, OCTOBER 15, 2021	
	MICHELANGELO PLENARY ROOM	TIZIANO 1 ROOM	TIZIANO 2 ROOM	TIZIANO 3 ROOM	CARAVAGGIO ROOM	BRAMANTE ROOM
07:30-08:20	Sunrise Session III-A Body imaging	Sunrise Session III-C Chest	Sunrise Session III-B MRI			
08:30-10:00			Categorical Course IX-A Imaging strategies: the essentials		Categorical Course IX-B Imaging strategies: tips for specialists	
10:00-10:30	Break					
10:30-11:55	Scientific Session VI-A JUNIOR IPR SESSION How to build an academic career in pediatric radiology	Scientific Session VI-C MUSCULOSKELETAL New developments in MSK imaging	Scientific Session VI-B GASTROINTESTINAL Quantitative imaging of the bowel: peristalsis to the future		Scientific Session VI-D FETAL IMAGING New steps in imaging the fetus	
12:00-14:00	Lunch Break				12:00-13:30 ESPR General Assembly	
14:10-15:30	Scientific Session VII-A INTERVENTIONAL RADIOLOGY Pediatric endovascular therapy	Scientific Session VII-C MUSCULOSKELETAL IMAGING Emerging quantitative MR imaging biomarkers in inflammatory arthritis	Scientific Session VII-B GASTROINTESTINAL It is not just about the heart: GI pathology in children with congenital cardiovascular disease		Scientific Session VII-D FETAL IMAGING From fetal to postnatal, pushing the edge of lethality: diagnosis we know, diagnosis we don't	
15:30-16:00	Break					
16:00-17:20	Scientific Session VIII-A INTERVENTIONAL RADIOLOGY Interventional oncology for local delivery of therapies	Scientific Session VIII-C GASTROINTESTINAL Imaging of pancreatitis in pediatrics	Scientific Session VIII-B CONTRAST MATERIALS Bubbles in radiology: CEUS		Scientific Session VIII-D FETAL IMAGING Thoracic fetal imaging	
17:25-17:45	Closing Ceremony					
20:30-23:00	FAREWELL BANQUET					



IPR 2021 The International Pediatric Radiology 8th Conjoint Congress & Exhibition October 11 –15, 2021

Pre-course Colloquia October 10-11, 2021

Sunday, October 10, 2021

8:30-17:30 **Registration**

CONCURRENT PRE-COURSE COLLOQUIA

11:00-13:00	FETO-PLACENTAL IMAGING PRE-COURSE COLLOQUIUM Session I-A	ROOM: CARAVAGGIO
	<i>Moderator:</i> Monica Rebollo (Barcelona, Spain)	
11:00-11:15	Explaining ventriculomegaly Martin Kyncl (Prague, Czech Republic)	
11:15-11:30	Swimming through the posterior fossa fluid: how much vermis is enough? Giorgio Conte (Milan, Italy)	
11:30-11:45	Dissecting prenatal white matter structure using tractography Gregor Kasprian (Vienna, Austria)	
11:45-12:00	Computational atlases of normal fetal brain development Camilo Jaimes (Boston, USA)	
12:00-12:15	AI methods for fetal brain assessment: is the machine's brain better than ours? Elka Miller (Ottawa, Canada)	
12:15-12:30	Prenatal assessment of spina bifida – Classic concepts and new insights Monica Rebollo (Barcelona, Spain)	
12:30-12:45	Diagnostic dilemmas: multigestational madness and clues on how to image Edward Oliver (Philadelphia, USA)	
12:45-13:00	Discussion	



Sunday, October 10, 2021

11:00-13:00 WFPI PRE-COURSE COLLOQUIUM

**ROOM:
TIZIANO 2**

Session II-A

Epidemics and pandemics – the role of the pediatric radiologist

Moderator: Joanna Kasznia-Brown (Bristol, UK)

11:00-11:20 **New pediatric lung infections including COVID-19 pneumonia: what radiologists need to know**

Edward Y. Lee (Boston, USA)

11:20-11:40 **Atypical chest infections and mimickers: interactive session**

Winnie Chu (Hong Kong)

11:40-12:00 **The changing picture of HIV infections**

Tracy Kilborn (Cape Town, South Africa)

12:00-12:20 **Malaria - when and how-to image**

Omolola Atalabi (Ibadan, Nigeria)

12:20-12:40 **ZIKA virus - experience from South America**

Pedro Daltro (Rio de Janeiro, Brazil)

12:40-13:00 **Discussion**

11:00-13:00 POSTMORTEM PRE-COURSE COLLOQUIUM

**ROOM:
TIZIANO 1**

Session III-A

The basics

Moderators: Owen Arthurs (London, UK), M. Patricia Harty (Wilmington, USA)

11:00-11:25 **Introduction to post mortem imaging symposium / workshop**

Owen Arthurs (London, UK)

11:25-11:50 **Post mortem imaging for beginners - what, how, why**

Susan Shelmerdine (London, UK)

11:50-12:15 **Fetal imaging: intrauterine vs post mortem**

Michael Aertsen (Leuven, Belgium)

12:15-12:40 **How to set up a service**

Teresa Victoria (Philadelphia, USA)

12:40-13:00 **Discussion**



Sunday, October 10, 2021

11:00-13:00	CHILD ABUSE PRE-COURSE COLLOQUIUM Session IV-A Bones (I)	live streaming no on demand no cme accreditation	ROOM: TIZIANO 3
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Moderator: Maria Raissaki (Iraklion, Greece)

11:00-11:25 Imaging the MSK system in suspected abuse: who, what and when?

Jeanette Perez-Rossello (Boston, USA)

11:25-11:50 Differential diagnoses: accepted and controversial

Maria Raissaki (Iraklion, Greece)

11:50-12:15 Is that how it happened? Mechanisms of injury in suspected abuse

M. Katherine Henry (Philadelphia, USA)

12:15-12:40 Is that when it happened? Dating fractures in suspected abuse

Amaka C. Offiah (Sheffield, UK)

12:40-13:00 Discussion

11:00-12:00	ADVANCED PEDIATRIC MRI PRE-COURSE COLLOQUIUM Session V-A1 Pediatric imaging without sedation	BRAMANTE 10+11
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Moderator: Daniel Gräfe (Leipzig, Germany)

11:00-11:15 Accelerated MRI, motion robust sequences & real time motion correction

Daniel Gräfe (Leipzig, Germany)

11:15-11:30 Hardware required for widespread adoption of these techniques

Daniel Gräfe (Leipzig, Germany)

11:30-11:45 Clinical examples: brain

Shreyas Vasanawala (Stanford, USA)

11:45-12:00 Clinical examples : abdomen/pelvis

Shreyas Vasanawala (Stanford, USA)

12:00-13:00	ADVANCED PEDIATRIC MRI PRE-COURSE COLLOQUIUM Session V-D1 MR Urography	BRAMANTE 10+11
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Moderators: Maria Beatrice Damasio (Genoa, Italy)

12:00-12:15 Patient preparation and protocol for anatomical information

Jonathan Dillman (Cincinnati, USA)

12:15-12:30 Recommended protocol for dynamic imaging and post-processing options

Sila Kurugol (Boston, USA)

12:30-12:45 Does MRU provide reliable, quantitative, information on renal function?

Sila Kurugol (Boston, USA)

12:45-13:00 Clinical aspects of pediatric MRU

Jeanne (Mei Mei) Chow (Boston, USA)

13:00-14:15 Break



Sunday, October 10, 2021

14:15-15:45 FETO-PLACENTAL IMAGING PRE-COURSE COLLOQUIUM Session I-B ROOM: CARAVAGGIO

Moderators: Brandon Brown (Indianapolis, USA),
Lucia Manganaro (Rome, Italy)

14:15-14:30 **MR evaluation of fetal lung anomalies**

Marie Cassart (Brussels, Belgium)

14:30-14:45 **Diagnostic dilemmas: abdominal wall defects from the belly button up**

Jennifer Kucera (Florida, USA)

14:45-15:00 **Fetal Abdominal Cystic Lesions. Does Fetal MRI improve the diagnosis?**

Lucia Manganaro (Rome, Italy)

15:00-15:15 **MR use for skeletal dysplasias**

Beth Kline-Fath (Cincinnati, USA)

15:15-15:45 **Discussion**

14:15-15:45 WFPI PRE-COURSE COLLOQUIUM Session II-B ROOM: TIZIANO 2 **Imaging of tuberculosis – past or current problem?**

Moderator: Dorothy Bulas (Washington, USA)

14:15-14:35 **Classical signs of TB – what do I need to know?**

Nasreen Mahomed (Johannesburg, South Africa)

14:35-14:55 **Look beyond the lungs – MSK and CNS involvement**

Bernard Laya (Quezon City, Philippines)

14:55-15:15 **Mimics and pitfalls in imaging of childhood TB**

Jaishree Naidoo (Johannesburg, South Africa)

15:15-15:35 **New imaging approach and future directions in TB imaging**

Kushaljit Sodhi (Chandigarh, India)

15:35-15:45 **Discussion**

14:15-15:45 POSTMORTEM PRE-COURSE COLLOQUIUM Session III-B ROOM: TIZIANO 1 **The technique**

Moderators: Owen Arthurs (London, UK), Sharon Gould (Wilmington, USA)

14:15-14:40 **Post mortem MRI - how I do it**

Xin Kang (Brussels, Belgium)

14:40-15:05 **Post mortem ultrasound - how I do it**

Susan Shelmerdine (London, UK)

15:05-15:30 **Post mortem CT - how I do it**

Willemijn Klein (Nijmegen, The Netherlands)

15:30-15:45 **Discussion**



Sunday, October 10, 2021

14:15-15:45	CHILD ABUSE PRE-COURSE COLLOQUIUM Session IV-B Body, blood & bones (II)	live streaming no on demand no cme accreditation	ROOM: TIZIANO 3
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Moderator: Rick van Rijn (Amsterdam, The Netherlands)

14:15-14:40 **Visceral injury: need for routine liver function tests and/or abdominal ultrasound?**

Sabah Servaes (Morgantown, USA)

14:40-15:05 **Strangulation: is there a role for imaging?**

Rick van Rijn (Amsterdam, The Netherlands)

15:05-15:30 **Normal variants of the skeleton not to be confused with inflicted injury**

Ignasi Barber (Barcelona, Spain)

15:30-15:45 **Discussion**

14:15-15:00	ADVANCED PEDIATRIC MRI PRE-COURSE COLLOQUIUM Session V-B1 Neonatal imaging	ROOM: BRAMANTE 10+11
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Moderator: Joanna Kasznia-Brown (Bristol, UK)

14:15-14:30 **Optimized protocols for neonatal imaging**

Orit Glenn (San Francisco, USA)

14:30-14:45 **MRI in the NICU**

Charles Dumoulin (Cincinnati, USA)

14:45-15:00 **Diffusion imaging in the neonatal brain**

Yi Li (San Francisco, USA)

15:00-15:45	ADVANCED PEDIATRIC MRI PRE-COURSE COLLOQUIUM Session V-B2 Myelin imaging	ROOM: BRAMANTE 10+11
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Moderators: Antonio Napolitano (Rome, Italy)

15:00-15:25 **Hunting for epileptogenic zone in epilepsy**

Stephen Little (Nashville, USA)

15:25-15:45 **How accurate is myelin imaging?**

Jonathan O'Muircheartaigh (London, UK)

15:45-16:15 *Break*



Sunday, October 10, 2021

16:00-17:45 FETO-PLACENTAL IMAGING PRE-COURSE COLLOQUIUM Session I-C ROOM: CARAVAGGIO

Moderator: Teresa Victoria (Philadelphia, USA),

16:00-16:20 **3T fetal MR imaging: how do we make it work?**

Gregor Kasprian (Vienna, Austria)

16:20-16:40 **Tales from the artificial womb - emerging applications of CE US in fetal medicine**

Ryne Didier (Philadelphia, USA)

16:40-17:00 **Fetal imaging what the fetal surgeon wants to know**

Amy Mehollin-Ray (Houston, USA)

17:00-17:20 **How to establish a fetal center in Europe**

Gabrielle Colleran (Dublin, Ireland)

17:20-17:45 **Games!!!!**

Lucia Manganaro (Rome, Italy), Monica Epelman (Orlando, USA)

16:15-17:45 WFPI PRE-COURSE COLLOQUIUM Session II-C ROOM: TIZIANO 2 **Paediatric MRI – worldwide approach**

Moderators: Joanna Kasznia-Brown (Bristol, UK)

16:15-16:35 **Standardisation of paediatric MRI: international initiatives**

Wendy Lam (Hong Kong, Hong Kong)

16:35-16:55 **Challenges in paediatric MRI: technical details I hate, but need to know**

Michael Gee (Boston, USA)

16:55-17:15 **Updates and new approaches in paediatric musculoskeletal MRI**

Ramy Mansour (Oxford, UK)

17:15-17:35 **Oncology and whole body MRI imaging: how and when to achieve the best results**

Joanna Kasznia-Brown (Bristol, UK)

17:35-17:45 **Discussion**



Sunday, October 10, 2021

16:15-17:45 **POSTMORTEM PRE-COURSE COLLOQUIUM** **ROOM: TIZIANO 1** **Session III-C** **The main findings**

Moderators: M. Patricia Harty (Wilmington, USA),
Rick van Rijn (Amsterdam, The Netherlands)

16:15-16:40 **Post mortem imaging - CNS (supratentorial)**
Stacy Goergen (Melbourne, Australia)

16:40-17:05 **Post mortem imaging - chest**
Willemijn Klein (Nijmegen, The Netherlands)

17:05-17:30 **Post mortem imaging - CNS (infratentorial)**
Ajay Taranath (Adelaide, Australia)

17:30-17:45 **Discussion**

16:15-17:45 **CHILD ABUSE PRE-COURSE COLLOQUIUM** **ROOM: TIZIANO 3** **Session IV-C** **Evolving techniques**

✓ live streaming
no on demand
no cme accreditation

Moderator: ESPR/SPR

16:15-16:40 **Artificial intelligence**
Safwan Halabi (Stanford, USA)

16:40-17:05 **Finite element analysis**
Andy Tsai (Boston, USA)

17:05-17:30 **Micro CT in child abuse**
Owen Arthur (London, UK)

17:30-17:45 **Discussion**

16:15-17:45 **ADVANCED PEDIATRIC MRI PRE-COURSE COLLOQUIUM** **ROOM: BRAMANTE 10+11** **Session V-C** **Cardiac MRI**

Moderator: Cynthia Rigsby (Chicago, USA)

16:15-16:40 **Overview**
Prakash Masand (Houston, USA)

16:40-17:05 **4D Flow: standardization and applications**
Julia Geiger (Zurich, Switzerland)

17:05-17:30 **Pediatric cardiac MR - what to expect in the next 5 years**
Lorna Browne (Aurora, USA)

17:30-17:45 **Discussion**



Monday, October 11, 2021

7:30-19:00 **Registration**

CONCURRENT PRE-COURSE COLLOQUIA

8:30-10:00 **FETO-PLACENTAL IMAGING PRE-COURSE COLLOQUIUM Session I-D**

**ROOM:
CARAVAGGIO**

Moderator: Marie Cassart (Brussels, Belgium)

8:30-8:55 **Normal placenta imaging**

Gabrielle Colleran (Dublin, Ireland)

8:55-9:20 **Abnormal placenta imaging**

Mariana Meyers (Aurora, USA)

9:20-10:00 **Real time scrolling through cases**

Gabrielle Colleran (Dublin, Ireland), Mariana Meyers (Aurora, USA)

8:30-10:00 **WFPI PRE-COURSE COLLOQUIUM Session II-D Pediatric ultrasound – who, how and where**

**ROOM:
TIZIANO 2**

Moderator: Jonathan Zember (Washington, USA)

8:30-8:55 **Point-of-care ultrasound initiatives - the bridge to health partnership experience and beyond**

Hansel Otero (Philadelphia, USA)

8:50-9:10 **Training initiatives and task shifting in Africa**

Kristen Destigter (Burlington, USA)

9:10-9:30 **RAD-AID: bringing pediatric radiology to low-resource areas**

Jonathan Zember (Washington, USA)

9:30-9:50 **New techniques and equipment – value and challenges**

Jeevesh Kapur (Singapore)

9:50-10:00 **Discussion**

8:30-10:00 **POSTMORTEM PRE-COURSE COLLOQUIUM Session III-D Reporting and correlating with pathology**

**ROOM:
TIZIANO 1**

Moderators: Michael Aertsen (Leuven, Belgium),
Teresa Victoria (Philadelphia, USA)

8:30-8:55 **Template reporting**

Susan Shelmerdine (London, UK)

8:55-9:20 **Tissue sampling - minimally invasive autopsy**

Ciaran Hutchinson (London, UK)

9:20-9:45 **Mock MDT: radio-pathological correlation**

Michael Aertsen (Leuven, Belgium)

9:45-10:00 **Discussion**

BACK TO INDEX



Monday, October 11, 2021

8:30-10:00	CHILD ABUSE PRE-COURSE COLLOQUIUM Session IV-D Brain	live streaming no on demand no cme accreditation	ROOM: TIZIANO 3
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Moderator: Kshitij Mankad (London, UK)

8:30-8:50 **Venous injury**
Nadine Girard (Marseille, France)

8:50-9:10 **Parenchymal injury**
Kshitij Mankad (London, UK)

9:10-9:30 **Spine injury**
Arabinda Choudhary (Little Rock, USA)

9:30-9:50 **Metabolic imaging**
Rahul Nikam (Wilmington, USA)

9:50-10:00 **Discussion**

8:30-9:15	ADVANCED PEDIATRIC MRI PRE-COURSE COLLOQUIUM Session V-A2 MR fingerprinting & quantitative MR		ROOM: BRAMANTE 10+11
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Moderators: Lawrence Wald (Boston, USA), Antonio Napolitano (Rome, Italy)

8:30-8:45 **MR fingerprinting, synthetic MRI**
Lawrence Wald (Boston, USA)

8:45-9:00 **How well do synthetic images match acquired images in patients with pathology?**
Safwan Halabi (Stanford, USA)

9:00-9:15 **What spatial resolution is adequate for clinical MR fingerprinting?**
Safwan Halabi (Stanford, USA)

9:15-10:00	ADVANCED PEDIATRIC MRI PRE-COURSE COLLOQUIUM Session V-D2 Arterial spin labeling (ASL) perfusion		ROOM: BRAMANTE 10+11
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Moderator: Mattihias Van Osch (Leiden, The Netherlands)

9:15-9:30 **Recommended labelling method and merits of 2D/3D acquisitions**
Mattihias Van Osch (Leiden, The Netherlands)

9:30-9:45 **Single or multiple delays for clinical studies? Labelling efficiency and other sources of error**
Mattihias Van Osch (Leiden, The Netherlands)

9:45-10:00 **Advantages and disadvantages compared to DSC perfusion**
Arastoo Vossough (Philadelphia, USA)

10:00-10:30 Break



Monday, October 11, 2021

10:30-12:00 FETO-PLACENTAL IMAGING PRE-COURSE COLLOQUIUM Session I-E ROOM: CARAVAGGIO

Moderator: Brandon Brown (Indianapolis, USA),

10:30-10:50 **Advanced placental MRI imaging**
Michael Aertsen (Leuven, Belgium)

10:50-11:15 **Development of new MRI sequences for placenta imaging**
Lawrence Wald (Boston, USA)

11:15-11:40 **Newest advances in placenta research**
Ellen Grant (Boston, USA)

11:40-12:00 **Challenging placental MR cases from around the world**
Brandon Brown (Indianapolis, USA)

10:30-12:00 WFPI PRE-COURSE COLLOQUIUM Session II-E ROOM: TIZIANO 2 **Pediatric ultrasound – forgotten tool**

Moderator: Ramy Mansour (Oxford, UK)

10:30-10:45 **Value of neuro ultrasound**
Sanjay Prabhu (Boston, USA)

10:45-11:00 **Chest ultrasound: yes, we can see it**
Jovan Lovrenski (Novi Sad, Serbia)

11:00-11:15 **Ultrasound for diagnosing tuberculosis**
Savvas Andronikou (Philadelphia, USA)

11:15-11:30 **New recommendations in abdominal imaging**
Joanna Kasznia-Brown (Bristol, UK)

11:30-11:45 **Musculoskeletal imaging: when to replace x-rays and MRIs?**
Ramy Mansour (Oxford, UK)

11:45-12:00 **Discussion**

10:30-12:00 POSTMORTEM PRE-COURSE COLLOQUIUM Session III-E ROOM: TIZIANO 1

Moderators: Owen Arthurs (London, UK), Teresa Victoria (Philadelphia, USA)




10:30-10:55 **Post mortem MRI - case examples with interactive voting**
Susan Shelmerdine (London, UK)

10:55-11:45 **Bring your own cases - audience participation**
Susan Shelmerdine (London UK)

11:45-12:00 **Conclusions**
Owen Arthurs (London, UK)



Monday, October 11, 2021

10:30-12:00	CHILD ABUSE PRE-COURSE COLLOQUIUM Session IV-E Medico-Legal	 live streaming  no on demand  no cme accreditation	ROOM: TIZIANO 3
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Moderator: Adam Oates (Birmingham, UK)

10:30-10:55 **What do the lawyers want?**
Joelle Moreno (Miami, USA)

10:55-11:20 **What does the judge want?**
Claudia Maone (Naples Italy)

11:20-11:45 **What does the radiologist want?**
Adam Oates (Birmingham, UK)

11:45-12:00 **Discussion**

10:30-11:15	ADVANCED PEDIATRIC MRI PRE-COURSE COLLOQUIUM Session V-E1 A physician's guide to DTI	ROOM: BRAMANTE 10+11
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Moderator: Richard Jones (Atlanta, USA)

10:30-10:55 **Choice of sequence and data analysis considerations details**
Jacques Donald Tournier (London, UK)

10:55-11:15 **Clinical trade offs : time spent versus information gained**
Richard Jones (Atlanta, USA)

11:15-12:00	ADVANCED PEDIATRIC MRI PRE-COURSE COLLOQUIUM Session V-E2 Neuro Oncology: the role of MRI in the treatment of pediatric brain tumors	ROOM: BRAMANTE 10+11
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Moderators: Zoltan Patay (Memphis, USA),
Marion Smits (Rotterdam, The Netherlands)

11:15-11:30 **Recommended protocols for, and relative merits of, DSC and/or DCE**
Zoltan Patay (Memphis, USA)

11:30-11:45 **Protocols for DWI/DTI/DKI/multi-shell diffusion, APT, MT & Spectroscopy**
Zoltan Patay (Memphis, USA)

11:45-12:00 **Clinical assessment of treatment response**
Marion Smits (Rotterdam, The Netherlands)

12:00-13:00 Break



Monday, October 11, 2021

13:00-14:50 CATEGORICAL COURSE I-A ROOM: TIZIANO 2

Moderator: Felice D'Arco (London, UK)

- 13:00-13:18 **Brain and spine ultrasound made simple**
Maria Argyropoulou (Ioannina, Greece)
- 13:18-13:36 **Emergency head imaging: problems unique to children**
Kshtij Mankad (London, UK)
- 13:36-13:54 **Emergency neck imaging: lumps and bumps**
Felice D'Arco (London, UK)
- 13:54-14:12 **Ventriculomegaly: when do I worry?**
Asha Sarma (Nashville, USA)
- 14:12-14:30 **Congenital spinal abnormalities: dysraphisms for dummies**
Erin Simon Schwartz (Philadelphia, USA)
- 14:30-14:48 **Brain things you can't miss (cases)**
Maria Camilla Rossi-Espagnet (Rome, Italy)

13:00-14:50 CATEGORICAL COURSE I-B ROOM: CARAVAGGIO

Moderator: Rajesh Krishnamurthy (Columbus, USA)

- 13:00-13:18 **Fast and functional: the latest imaging techniques**
Prakash Masand (Houston, USA)
- 13:18-13:36 **Aortic and cardiac emergencies: what to look out for**
Ricardo Budde (Rotterdam, The Netherlands)
- 13:36-13:54 **Quantitative biomarkers in cardiac imaging**
Cynthia Rigsby (Chicago, USA)
- 13:54-14:12 **Advances in MR angiography for CHD**
Paul Finn (California, USA)
- 14:12-14:30 **Pediatric sudden cardiac death**
Rajesh Krishnamurthy (Columbus, USA)
- 14:30-14:48 **Fetal cardiac imaging and what to do - (cases)**
Christopher Roy (Lausanne, Switzerland)

15:00-15:30 **Break**



Monday, October 11, 2021

15:30-16:50 CATEGORICAL COURSE II-A Cardiac: the essentials

ROOM:
TIZIANO 2

Moderator: Christian Kellenberger (Zurich, Switzerland)

15:30-15:46 Congenital heart disease - removing the fear (for idiots/beginners/dummies)

Lorna Browne (Aurora, USA)

15:46-16:02 Common congenital heart disease surgeries and their imaging

Christian Kellenberger (Zurich, Switzerland)

16:02-16:18 Vascular rings and slings

Aurelio Secinaro (Rome, Italy)

16:18-16:34 How to spot cardiac disease on chest radiographs (cases)

Eilish Twomey (Dublin, Ireland)

16:34-16:50 How to perform cardiac CT without sedation in neonates and infants

Taylor Chung (San Francisco, USA)

15:30-16:50 CATEGORICAL COURSE II-B Neuro/head&neck: tips for specialists

ROOM:
CARAVAGGIO

Moderator: Andrea Rossi (Genoa, Italy)

15:30-15:46 Spinal cord manifestations of inborn errors of metabolism and myelin disorders

Paul Caruso (Boston, USA)

15:46-16:18 Changing landscape of inherited white matter disease

Andrea Rossi (Genoa, Italy)

16:18-16:34 Advanced imaging techniques in pediatric head and neck

Mai-lan Ho (Columbus, USA)

16:34-16:50 Pediatric neuro: wild and crazy (cases)

Victoria Michelle Silvera (Rochester, USA)

17:00-17:30 Opening Ceremony and Guy Sebag Award

Andrea Rossi (ESPR) and Damien Grattan-Smith (SPR)

ROOM:
MICHELANGELO

17:30-19:00 Opening Lectures & Round Table

19:00 *Adjourn*

19:00-22:00 *Welcome Reception*



Tuesday, October 12, 2021

7:30-18:00 **Registration**

7:50-8:00 **Welcome and Announcements**

8:00-9:30 **CATEGORICAL COURSE III-A Musculoskeletal: the essentials**

**ROOM:
TIZIANO 2**

Moderator: Robert Paul Guillerman (Houston, USA)

8:00-8:18 **Hip pain in children - a beginners guide**

Laura Tanturri De Horatio (Rome, Italy)

8:18-8:36 **The mimickers of malignancy**

Süreyya Burcu Görkem (Kayseri, Turkey)

8:36-8:54 **Commonly missed fractures**

Mahesh Thapa (Seattle, USA)

8:54-9:12 **Child abuse refresher**

Jeannette Perez-Rossello (Boston, USA)

9:12-9:30 **Aunt Minnie images (cases)**

Ignasi Barber (Barcelona, Spain)

8:00-9:30 **CATEGORICAL COURSE III-B Gastrointestinal: tips for specialists**

**ROOM:
CARAVAGGIO**

Moderator: Philippe Petit (Marseille, France)

8:00-8:18 **Liver tumors: from foetus to adolescent**

Philippe Petit (Marseille, France)

8:18-8:36 **Functional bowel imaging: MR and CEUS**

Michael Gee (Boston, USA)

8:36-8:54 **US and MR elastography in the abdomen: the liver and beyond**

Seema Toso (Geneva, Switzerland)

8:54-9:12 **How to use bubbles in the abdomen (VUR, trauma, cloaca)**

Susan Back (Philadelphia, USA)

9:12-9:30 **Current controversies in MR enterography**

Kriti Gwal (San Diego, USA)

9:30-10:00 **Break**



Tuesday, October 12, 2021

10:00-11:45	SCIENTIFIC SESSION I-A: NEURO - Cutting edge imaging of the neonatal brain	ROOM: MICHELANGELO
	<i>Moderator:</i> Maarten Lequin (Utrecht, The Netherlands)	
10:00-10:15	Have we perfected basic brain imaging or is there something new to know? Maarten Lequin (Utrecht, The Netherlands)	
10:15-11:30	SCIENTIFIC PAPERS	
10:15-10:23	HIGH-RESOLUTION NEUROSONOGRAPHIC EXAMINATION OF THE LENTICULOSTRIATE VESSELS IN NEONATES WITH HYPOXIC-ISCHEMIC ENCEPHALOPATHY Shawn Lyo ^(1,2) , Luis Octavio Tierradentro-Garcia ⁽²⁾ , Angela Viaene ⁽³⁾ , Misun Hwang ^(2,4) <i>⁽¹⁾ Department of Radiology, SUNY Downstate Health Sciences University, Brooklyn, NYC (USA), ⁽²⁾ Department of Radiology, Children's Hospital of Philadelphia, Philadelphia (USA), ⁽³⁾ Department of Pathology and Laboratory Medicine, Children's Hospital of Philadelphia, University of Pennsylvania, Philadelphia (USA), ⁽⁴⁾ Department of Radiology, Perelman School of Medicine, University of Pennsylvania, Philadelphia (USA)</i>	
10:23-10:31	NEONATAL DEVELOPMENTAL VENOUS ANOMALIES: CLINICAL-RADIOLOGICAL CHARACTERIZATION AND FOLLOW-UP Ana Geraldo ⁽¹⁾ , Simona Messina ⁽²⁾ , Domenico Tortora ⁽³⁾ , Alessandro Parodi ⁽⁴⁾ , Mariya Malova ⁽⁴⁾ , Giovanni Morana ⁽³⁾ , Carlo Gandolfo ⁽⁵⁾ , Alessandra D'Amico ⁽⁶⁾ , Ellen Herkert ⁽⁷⁾ , Paul Govaert ⁽⁷⁾ , Luca Ramenghi ⁽⁴⁾ , Andrea Rossi ⁽³⁾ , Mariasavina Severino ⁽³⁾ <i>⁽¹⁾ Diagnostic Neuroradiology Unit, Imaging department, Vila Nova de Gaia (PORTUGAL), ⁽²⁾ Radiology Unit, Casa di Cura Regina Pacis, Palermo (ITALY), ⁽³⁾ Neuroradiology Unit, IRCCS Istituto Giannina Gaslini, Genoa (ITALY), ⁽⁴⁾ Neonatal Intensive Care Unit, IRCCS Istituto Giannina Gaslini, Genoa (ITALY), ⁽⁵⁾ Interventional Unit, IRCCS Istituto Giannina Gaslini, Genoa (ITALY), ⁽⁶⁾ Dipartimento di Scienze Biomediche Avanzate, Università Federico II Napoli, Napoli (ITALY), ⁽⁷⁾ Division of Neonatology, Department of Paediatrics, Erasmus University Medical Centre, Rotterdam (THE NETHERLANDS)</i>	
10:31-10:39	EXPANDING THE SPECTRUM OF NEONATE SUBPIAL HEMORRHAGE: MORE COMMON THAN YOU THINK Joanne Rispoli ⁽¹⁾ , Sanjay Prabhu ⁽²⁾ <i>⁽¹⁾ NYU Langone Health, New York City (USA), ⁽²⁾ Boston Children's Hospital, Boston (USA)</i>	



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- 10:39-10:47 **CEREBELLAR HEMORRHAGE IN EXTREMELY PREMATURE INFANTS COMPARED TO VERY PREMATURE INFANTS**
Elizabeth Snyder, Sumit Pruthi, Marta Hernanz-Schulman
Monroe Carell Jr. Children's Hospital at Vanderbilt, Department of Radiology, Nashville, TN (USA)
- 10:47-10:55 **PERI-ROLANDIC INVOLVEMENT IN HYPOXIC ISCHEMIC INJURY MAY ALSO OCCUR WITH PARTIAL PROLONGED INSULTS**
Anilawan S. Fleury, Savvas Andronikou
Children's Hospital of Philadelphia, Radiology department, Philadelphia (USA)
- 10:55-11:03 **INTRANASAL DEXMEDETOMIDINE FOR SEDATION OF CHILDREN IN MRI-EXAMINATION.**
Gabriella Lewis, Maria Liljeroth, Sandra Diaz ^(1,2)
⁽¹⁾ Karolinska University Hospital, Stockholm (SWEDEN), ⁽²⁾ Skanes University Hospital, Lund (SWEDEN)
- 11:03-11:11 **DROP IN SEDATION EXAMINATIONS BY ADOPTING REAL-TIME CMRI SEQUENCES**
Daniel Gräfe ⁽¹⁾, Ina Sorge ⁽¹⁾, Dirk Voit ⁽²⁾, Jens Frahm ⁽²⁾, Matthias Krause ⁽³⁾, Christian Roth ⁽¹⁾, Peter Zimmermann ⁽⁴⁾, Franz Wolfgang Hirsch ⁽¹⁾
⁽¹⁾ University Hospital Leipzig - Pediatric Radiology, Leipzig (GERMANY), ⁽²⁾ Biomedizinische NMR - Max-Planck-Institut für biophysikalische Chemie, Göttingen (GERMANY), ⁽³⁾ University Hospital Leipzig - Neurosurgery, Leipzig (GERMANY), ⁽⁴⁾ University Hospital Leipzig - Pediatric Surgery, Leipzig (GERMANY)
- 11:11-11:19 **PORTABLE LOW FIELD STRENGTH MRI: PRELIMINARY EXPERIENCE IN NEONATES AND CHILDREN**
Johnston Fite, Amie Robinson, Maura Sien, Amit Jain, Harry Hu ⁽³⁾, John Pitts ⁽³⁾, Sherwin Chan ^(1,2)
⁽¹⁾ Children's Mercy Hospital, Kansas City (USA), ⁽²⁾ University of Missouri Kansas City, Kansas City (USA), ⁽³⁾ Hyperfine, Guilford (USA)
- 11:19-11:27 **SIBLING SCREENING IN SUSPECTED ABUSIVE HEAD TRAUMA: A PROPOSED GUIDELINE**
Kshitij Mankad ⁽¹⁾, Jai Sidpra ⁽²⁾, Adam J Oates ⁽³⁾, Alistair Calder ⁽¹⁾, Amaka C. Offiah ⁽⁴⁾, Arabinda K. Choudhary ⁽⁵⁾
⁽¹⁾ Department of Radiology, Great Ormond Street Hospital for Children NHS Foundation Trust, London (UNITED KINGDOM), ⁽²⁾ University College London Medical School, London (UNITED KINGDOM), ⁽³⁾ Department of Radiology, Birmingham Children's Hospital, Birmingham (UNITED KINGDOM), ⁽⁴⁾ Academic Unit of Child Health, University of Sheffield, Western Bank, Sheffield (UNITED KINGDOM), ⁽⁵⁾ Department of Radiology, University of Arkansas for Medical Sciences, Little Rock (USA)
- 11:30-11:45 **Can we improve our imaging protocols?**
Orit Glenn (San Francisco, USA)



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10:00-11:45 SCIENTIFIC SESSION I-B: CARDIAC - 3D MR imaging of the fetal heart		ROOM: TIZIANO 2
	Moderator: Rajesh Krishnamurthy (Columbus, USA)	
10:00-10:15	3D MR for early assessment of congenital heart disease Mike Seed (Toronto, Canada)	
10:15-11:30 SCIENTIFIC PAPERS		
10:15-10:23	CHEST IMAGING IN CHILDREN WITH COVID-19, A SYSTEMATIC REVIEW Monica Miranda Schaeubinger ⁽¹⁾ , Karen Ramirez Suarez ⁽¹⁾ , Jordan Rapp ⁽¹⁾ , David Saul ⁽²⁾ , Kushaljit Sodhi ⁽³⁾ , Savvas Andronikou ⁽¹⁾ ⁽¹⁾ Children's Hospital of Philadelphia, Department of Radiology, Philadelphia, PA (USA), ⁽²⁾ Nemours/Alfred I. DuPont Hospital for Children, Wilmington, DE (USA), ⁽³⁾ Postgraduate Institute of Medical Education and Research, Department of Radio Diagnosis and Imaging, Chandigarh (INDIA)	
10:23-10:31	CHEST IMAGING IN COVID-19 INFECTION IN CHILDREN: A DIAGNOSTIC CROSS-SECTIONAL STUDY Mark Bishay ⁽¹⁾ , Richard Gagen ⁽¹⁾ , Zhia Lim ⁽²⁾ , Lisa van Geyzel ⁽²⁾ , Deepthi Jyothish ⁽²⁾ , Simon McGuirk ⁽¹⁾ ⁽¹⁾ Birmingham Children's Hospital - Department of Radiology, Birmingham (UNITED KINGDOM), ⁽²⁾ Birmingham Children's Hospital - Department of Paediatrics, Birmingham (UNITED KINGDOM)	
10:31-10:39	PREVALENCE AND PATTERN OF THROMBOEMBOLIC DISEASE IN PEDIATRIC PATIENTS WITH COVID-19 Ivey Royall, HaiThuy Nguyen, Marla Sammer Texas Children's Hospital, Houston (USA)	
10:39-10:47	CHEST IMAGING IN PAEDIATRIC MULTISYSTEM INFLAMMATORY SYNDROME - TEMPORALLY ASSOCIATED WITH SARS-COV-2(PIMS-TS) Rebecca Spruce, Dipalee Durve, Shema Hameed, Alice Roueche, James Wong, Mario Sa, Evelina PIMS TS Working Group Evelina London Children's Hospital, London (UNITED KINGDOM)	
10:47-10:55	LOW DOSE LUNG CT - PUSHING FOR THE LOWEST RADIATION DOSE NECESSARY FOR ENSURING ADEQUATE DIAGNOSTIC IMAGE QUALITY IN CHILDREN Michael Zellner ⁽¹⁾ , Sebastian Tschauner ⁽⁴⁾ , Mathias S. Weyland ⁽²⁾ , Gerd Lutters ⁽³⁾ , Ismail Özden ⁽³⁾ , Stephan Scheidegger ⁽²⁾ , Christian Kellenberger ⁽¹⁾ ⁽¹⁾ University Children's Hospital, Zurich (SWITZERLAND), ⁽²⁾ Zürich University of Applied Sciences, Winterthur (SWITZERLAND), ⁽³⁾ Cantonal Hospital Aarau AG, Aarau (SWITZERLAND), ⁽⁴⁾ Medical University of Graz, Graz (AUSTRIA)	



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- 10:55-11:03 **LOW DOSE LIMITED REGION CHEST CT FOR PREOPERATIVE EVALUATION OF PECTUS EXCAVATUM**
Grace Ma, Dorothy Bulas, Sunil Valaparla, Timothy Kane, Mikael Petrosyan, Jeffrey Lukish
Children's National Hospital, Washington (USA)
- 11:03-11:11 **CT AND MRI FINDINGS OF LYMPHOID THYMIC HYPERPLASIA AND THYMOMA IN CHILDREN**
Karen I. Ramirez-Suarez, David M. Biko ^(1,2), Rebecca A. Dennis ^(1,2), Hansel J. Otero ^(1,2), Ammie M. White ^(1,2), Jordan B Rapp ^(1,2)
⁽¹⁾ Department of Radiology, Children's Hospital of Philadelphia, 3401 Civic Center Blvd, Philadelphia, PA, 19104 (USA), ⁽²⁾ University of Pennsylvania, Perelman School of Medicine, Philadelphia, PA, 19104 (USA)
- 11:11-11:19 **CORRELATION BETWEEN CLINICAL PRESENTATION, HIGH RESOLUTION COMPUTED TOMOGRAPHY (HRCT) FINDINGS AND HISTOLOGIC FINDINGS IN CHILDREN'S INTERSTITIAL LUNG DISEASE (CHILD)**
Chiara Sileo ⁽¹⁾, Nadia Nathan ⁽²⁾, Annick Clement ⁽³⁾, Aurore Coulomb L. Herminé ⁽⁴⁾, Hubert Ducou le Pointe ⁽⁵⁾
⁽¹⁾ APHP Hôpital Trousseau, Sorbonne Université - Pediatric Radiology Department, Paris, France, Paris (FRANCE), ⁽²⁾ APHP Hôpital Trousseau, Sorbonne Université - Pediatric Pulmonology Department, Paris, France, Paris (FRANCE), ⁽³⁾ APHP Hôpital Trousseau, Sorbonne Université - Pediatric Pulmonology Department, Paris, France, Paris (FRANCE), ⁽⁴⁾ APHP Hôpital Trousseau, Sorbonne Université - Pediatric Histopathology Department, Paris, France, Paris (FRANCE), ⁽⁵⁾ APHP Hôpital Trousseau, Sorbonne Université - Pediatric Radiology Department, Paris, France, Paris (FRANCE)
- 11:19-11:27 **THE ROLE OF THE DIFFUSION-WEIGHTED IMAGING (DWI) IN THE DIAGNOSIS OF PULMONARY COLONIZATION BY PSEUDOMONAS AERUGINOSA**
Alessandra Ottavianelli ⁽¹⁾, Teresa Pia Santangelo ⁽²⁾, Maria Luisa Mennini ⁽¹⁾, Davide Curione ⁽¹⁾, Veronica Bordonaro ⁽¹⁾, Paolo Tomà ⁽¹⁾, Aurelio Secinaro ⁽²⁾
⁽¹⁾ Department of Imaging Bambino Gesù Children Hospital IRCCS, Rome (ITALY), ⁽²⁾ Advanced Cardiovascular Imaging Unit Department of Imaging, Bambino Gesù Children Hospital IRCCS, Rome (ITALY)
- 11:30-11:45 **Moving forward: cardiac MR versus echo**
Heynric Grotenhuis (Utrecht, The Netherlands)



Tuesday, October 12, 2021

10:00-11:45 SCIENTIFIC SESSION I-C:

GENITOURINARY - Updates: genetic causes of renal abnormalities

**ROOM:
TIZIANO 1**

Moderator: Brandon Brown (Indianapolis, USA)

10:00-10:15 **From image to genes: update of imaging in genetic causes of renal abnormalities**

Mariana Meyers (Aurora, USA)

10:15-11:30 SCIENTIFIC PAPERS

10:15-10:23 **ESTABLISHING THE NORMAL ECHODENSITY RATIO BETWEEN RENAL CORTEX AND PYRAMID IN THE NEONATE/INFANT POPULATION AND THE EFFECT OF UTILIZED RECEIVER GAIN**

*Tin Yau Li ⁽¹⁾, Denise A. Castro ⁽¹⁾, Wilma M. Hopman ⁽²⁾, Donald A. Soboleski ⁽¹⁾
⁽¹⁾ Kingston Health Sciences Centre, Kingston (CANADA), ⁽²⁾ Kingston General Hospital Research Institute, Kingston (CANADA)*

10:23-10:31 **PEDIATRIC MODIFICATION OF THE BOSNIAK CLASSIFICATION FOR COMPLEX RENAL CYSTS IN CHILDREN: IS MR NECESSARY?**

*Stephanie Cajigas-Loyola, Amy Farkas, Richard Bellah, Hansel Otero
⁽¹⁾ Children's Hospital of Philadelphia, Philadelphia (USA)*

10:31-10:39 **LIMITED ABDOMINOPELVIC MRI FOR APPENDICITIS: CAN WE RULE OUT OVARIAN TORSION?**

*Sharon Gould ⁽¹⁾, Tejal Mody ⁽¹⁾, Mary Gould ⁽²⁾, Heidi Kecskemethy ⁽¹⁾, Simone Veale ⁽²⁾, Arabinda Choudhary ⁽³⁾
⁽¹⁾ Nemours/Alfred I duPont Hospital for Children, Department of Radiology, Wilmington, DE (USA), ⁽²⁾ Nemours/Alfred I duPont Hospital for Children, Department of Biomedical Research, Wilmington, DE (USA), ⁽³⁾ University of Arkansas for Medical Sciences, Department of Radiology, Little Rock, AR (USA)*

10:39-10:47 **ULTRASOUND BASED RENAL PARENCHYMA AREA AND KIDNEY FUNCTION DECLINE IN INFANTS WITH CONGENITAL ANOMALIES OF THE KIDNEY AND URINARY TRACT**

*Bernarda Viteri ^(1,2,3), Mohamed Elsingerly ⁽²⁾, Jennifer Roem ⁽⁴⁾, Derek Ng ⁽⁴⁾, Bradley Warady ⁽⁶⁾, Susan Furth ^(1,3), Gregory Tasian ^(3,5)
⁽¹⁾ Department of Pediatrics, Division of Nephrology, Children's Hospital of Philadelphia, Philadelphia (USA), ⁽²⁾ Department of Radiology, Division of Body Imaging, Children's Hospital of Philadelphia, Philadelphia (USA), ⁽³⁾ Perelman School of Medicine, University of Pennsylvania, Philadelphia (USA), ⁽⁴⁾ Department of Biostatistics, John Hopkins University Hospital, Baltimore (USA), ⁽⁵⁾ Department of Surgery, Division of Urology, Children's Hospital of Philadelphia, Philadelphia (USA), ⁽⁶⁾ Department of Pediatrics, Division of Nephrology, Children's Mercy Hospital, Kansas City (USA)*

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- 10:47-10:55 **SENSITIVITY OF IMAGING FOR PREDICTING PEDIATRIC ADNEXAL TORSION**
Maria Velez-Florez, Aaron Chen, Eron Friedlaender, Gary Nace,
Elena Tsemberis, Christoper Hoffman, Rosa Hwang, Summer Kaplan
The Children's Hospital of Philadelphia, Philadelphia (USA)
- 10:55-11:03 **VALIDITY OF PARENCHYMAL THICKNESS FOR PRE AND POST OPERATIVE MONITORING IN INFANT PYELOPLASTY.**
Prasanna Karpaga Kumaravel ⁽¹⁾, Abirami Krithiga Jayakumar ⁽²⁾
⁽¹⁾ *Rainbow Children's Hospital, Hyderabad (India)*, ⁽²⁾ *Rainbow Children's Hospital, Hyderabad (India)*
- 11:03-11:11 **USING GONAD SHIELDS IN PAEDIATRIC X-RAYS**
Fadi Maghrabia
Bradford Teaching hospitals, Bradford (UNITED KINGDOM)
- 11:11-11:19 **REFERENCE RANGES OF AGE BASED PORTAL VEIN, RENAL VEIN AND VENA CAVA INFERIOR SIZE IN CHILDREN IN CONJUNCTION WITH WAIST CIRCUMFERENCE**
Zuhal Bayramoglu, Berke Ersoy, Hakan Ayyildiz
Istanbul University, Istanbul Medical Faculty, Radiology Department, Istanbul (TURKEY)
- 11:19-11:27 **Urodynamics and Whitaker Tests: A New Look at Old Tools**
Darshan Variyam, Matt Hawkins, Anne Gill, Jay Shah
Emory University School of Medicine + Children's Healthcare of Atlanta, Atlanta (USA)
- 11:30-11:45 **High-resolution ultrasound of neonatal renal cystic diseases**
Pablo Caro (Seville, Spain)



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10:00-11:45 SCIENTIFIC SESSION I-D		ROOM:
ONCOLOGY - Hybrid imaging in predisposing conditions		CARAVAGGIO
<i>Moderator:</i> ESPR/SPR		
10:00-10:15	The "intrinsically hybrid" approach to whole body MRI Martin Kyncl (Prague, Czech Republic)	
10:15-11:30	SCIENTIFIC PAPERS: 9	
10:15-10:23	PEDIATRIC TUMORS WITH NTRK FUSION TRANSCRIPT: FOR A BETTER IMAGING CHARACTERIZATION Hermann Anne-Laure ⁽¹⁾ , Lauriane Lemelle ⁽²⁾ , Arnaud Gauthier ⁽³⁾ , Gaëlle Pierron ⁽⁴⁾ , Nayla Nicolas ⁽⁵⁾ , Liesbeth Cordoen ⁽⁵⁾ , Salma Moalla ⁽⁶⁾ , Sarah Watson ⁽⁷⁾ , Paul Freneaux ⁽³⁾ , Delphine Guillemot ⁽⁴⁾ , Matthieu Carton ⁽⁸⁾ , Isabelle Aerts ⁽²⁾ , François Doz ⁽²⁾ , Gudrun Schleiermacher ⁽²⁾ , Birgit Geoerger ⁽⁹⁾ , Pablo Berlanga ⁽⁹⁾ , Olivier Delattre ⁽²⁾ , Daniel Orbach ⁽²⁾ , Hervé Brisse ⁽⁵⁾ <i>⁽¹⁾ Department of Radiology, Armand Trousseau Hospital, Sorbonne University, PARIS (FRANCE), ⁽²⁾ SIREDO Oncology Center, Institut Curie, PSL University, PARIS (FRANCE), ⁽³⁾ Department of Pathology, Institut Curie, PSL University, PARIS (FRANCE), ⁽⁴⁾ Department of Somatic Genetics, Institut Curie, PSL University, PARIS (FRANCE), ⁽⁵⁾ Department of Radiology, Institut Curie, PSL University, PARIS (FRANCE), ⁽⁶⁾ Department of Radiology, Gustave Roussy, VILLEJUIF (FRANCE), ⁽⁷⁾ Department of Oncology, Institut Curie, PSL University, PARIS (FRANCE), ⁽⁸⁾ Department of Biostatistics, Institut Curie, PSL University, PARIS (FRANCE), ⁽⁹⁾ Department of Pediatric and Adolescent Oncology, Gustave Roussy, VILLEJUIF (FRANCE)</i>	
10:23-10:31	COMPARISON OF DIFFUSION-WEIGHTED MRI AND 18F-FDG PET FOR THE DETECTION OF BONE MARROW METASTASES IN CHILDREN WITH SOLID MALIGNANCIES. Elton Greene, Ali Rashidi, Lucia Baratto, Ashok Theruvath, Rong Lu, Michael Link, Sheri Spunt, Heike Daldrup-Link <i>Stanford University School of Medicine, Stanford (USA)</i>	
10:31-10:39	COMBINED METABOLIC AND FUNCTIONAL TUMOR VOLUMES ON PET/MRI IN NEUROBLASTOMA: COMPLEMENTARY OR REDUNDANT INFORMATION BY18F-FDG UPTAKE AND DIFFUSION RESTRICTION? Maryanna Chaika ⁽¹⁾ , Simon Männlin ⁽¹⁾ , Sebastian Gassenmaier ⁽¹⁾ , Steven Warmann ⁽²⁾ , Cristian Urla ⁽²⁾ , Michael Esser ⁽¹⁾ , Ilias Tsiplikas ⁽¹⁾ , Sergios Gatidis ⁽¹⁾ , Jürgen Schäfer ⁽¹⁾ <i>⁽¹⁾ Department of diagnostic and interventional Radiology, Tübingen (GERMANY), ⁽²⁾ Pediatric Surgery and Urology, Tübingen (GERMANY)</i>	



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- 10:39-10:47 **WHOLE-BODY MRI VERSUS AN FDG-PET/CT-BASED REFERENCE STANDARD FOR EARLY RESPONSE ASSESSMENT AND RESTAGING OF PAEDIATRIC HODGKIN LYMPHOMA: A PROSPECTIVE MULTICENTRE STUDY**
Suzanne Spijkers ⁽¹⁾, Annemieke S. Littooij ^(1,2), Thomas C. Kwee ⁽³⁾, Nelleke Tolboom ^(1,2), Auke Beishuizen ^(2,4), Marrie C.A. Bruin ⁽²⁾, Goya Enriquez ⁽⁵⁾, Constantino Sabado ⁽⁶⁾, Elka Miller ⁽⁷⁾, Claudio Granata ⁽⁸⁾, Charlotte de Lange ⁽⁹⁾, Federico Verzegnassi ⁽¹⁰⁾, Bart de Keizer ^(1,2), Rutger A.J. Nievelstein ^(1,2)
⁽¹⁾ Department of Radiology and Nuclear Medicine, University Medical Centre Utrecht/Wilhelmina Children's Hospital, Utrecht (THE NETHERLANDS), ⁽²⁾ Princess Máxima Centre for Paediatric Oncology, Utrecht (THE NETHERLANDS), ⁽³⁾ Medical Imaging Centre, Department of Radiology, University Medical Centre Groningen, Groningen (THE NETHERLANDS), ⁽⁴⁾ Department of paediatric Oncology/Haematology, Erasmus Medical Centre-Sophia Children's Hospital, Rotterdam (THE NETHERLANDS), ⁽⁵⁾ Department of Pediatric Radiology, University Hospital Vall dHebron, Institut de Recerca Vall dHebron, Barcelona (SPAIN), ⁽⁶⁾ Department of Paediatric Oncology and Haematology, University Hospital Vall dHebron, Barcelona (SPAIN), ⁽⁷⁾ Department of Medical Imaging, CHEO, University of Ottawa, Ottawa (CANADA), ⁽⁸⁾ Department of Radiology, Institute for Maternal and Child Health IRCCS Burlo Garofolo, Trieste (ITALY), ⁽⁹⁾ Department of Diagnostic Imaging and Intervention, Oslo University Hospital, Rikshospitalet, Oslo (NORWAY), ⁽¹⁰⁾ Oncohematology Unit, Institute for Maternal and Child Health IRCCS Burlo Garofolo, Trieste (ITALY)
- 10:47-10:55 **ACCELERATING WHOLE-BODY MRI IN PEDIATRIC PATIENTS WITH CANCER PREDISPOSITION SYNDROME: PRELIMINARY RESULTS.**
Judith Herrmann ⁽¹⁾, Michael Esser ⁽¹⁾, Ilias Tsiflikas ⁽¹⁾, Marcel Dominik Nickel ⁽²⁾, Ralph Strecker ⁽²⁾, Ines Brecht ⁽³⁾, Jürgen Schäfer ⁽¹⁾
⁽¹⁾ University of Tuebingen, Department of Diagnostic and Interventional Radiology, Tuebingen (GERMANY), ⁽²⁾ Siemens Healthcare GmbH, Erlangen (GERMANY), ⁽³⁾ University of Tuebingen, Department of Pediatric Hematology and Oncology, Tuebingen
- 10:55-11:03 **IMPACT OF RESIDUAL DISEASE ANALYSIS BY MRI IN NEUROBLASTIC TUMORS ON TUMOR PROGRESSION EVENTS.**
Sebastian Gassenmaier ⁽¹⁾, Ilias Tsiflikas ⁽¹⁾, Joerg Fuchs ⁽²⁾, Christian Urla ⁽²⁾, Steven Warmann ⁽²⁾, Jürgen Schäfer ⁽¹⁾
⁽¹⁾ Eberhard-Karls-University Tuebingen - Department of Diagnostic and Interventional Radiology, Tuebingen (GERMANY), ⁽²⁾ Eberhard-Karls-University Tuebingen - Department of Pediatric Surgery and Pediatric Urology, Tuebingen (GERMANY)



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- 11:03-11:11 **MULTIMODAL VOXEL-WISE ANALYSIS OF EARLY RESPONSE TO CHEMOTHERAPY IN CHILDHOOD RHABDOMYOSARCOMA.**
Simon Maennlin ⁽¹⁾, Sebastian Gassenmaier ⁽¹⁾, Andreas Schmidt ⁽²⁾, Joerg Fuchs ⁽²⁾, Robert Grimm ⁽³⁾, Monika Scheer ⁽⁴⁾, Sergios Gatidis ⁽¹⁾, Juergen Frank Schaefer ⁽¹⁾
⁽¹⁾ University Hospital Hospital Tuebingen, Diagnostic and Interventional Radiology, Tuebingen (GERMANY), ⁽²⁾ University Hospital Tuebingen, Kinderheilkunde 5, Tuebingen (GERMANY), ⁽³⁾ Siemens Healthcare MR, Erlangen (GERMANY), ⁽⁴⁾ Olgahospital, Hospital Stuttgart, Stuttgart (GERMANY)
- 11:11-11:19 **THE EVOLUTION OF MRI IN THE DIAGNOSIS AND FOLLOW UP OF PAEDIATRIC EXTRACRANIAL SOLID TUMOURS - A 10 YEAR REVIEW IN A TERTIARY PAEDIATRIC HOSPITAL.**
Sparsh Prasher, Amy Price, Joshua Taylor, Thomas McDonald, Srikrishna Harave
Alderhey Children's Hospital, Liverpool (UNITED KINGDOM)
- 11:19-11:27 **IMAGING FEATURES OF CONGENITAL INFANTILE FIBROSARCOMA**
Eleti Saigeet ⁽¹⁾, Nasim Tahir ⁽²⁾
⁽¹⁾ Department of Radiology - Great Ormond Street Hospital, London (UNITED KINGDOM), ⁽²⁾ Department of Radiology - Leeds Children's Hospital, Leeds (UNITED KINGDOM)
- 11:30-11:45 **A forecast for PET/MRI in predisposing cancer conditions**
Mary-Louise Greer (Toronto, Canada) **ROOM: TIZIANO 2**
- 12:15-13:00 Industry - Sponsored Symposium (NO CME ACCREDITATION)**
ROOM: MICHELANGELO
- 13:10-14:15 Jacques Lefèbvre/Edward B. Neuhauser Lecture**
Moderators: Andrea Rossi (Genoa, Italy) and Damien Grattan-Smith (Atlanta, USA)
Lessons of a life as a pediatric radiologist
Paolo Tomà (Rome, Italy)
- 14:15-15:15 CATEGORICAL COURSE IV-A Gastrointestinal: the essentials**
Moderator: Giulia Perucca (Turin, Italy) **ROOM: TIZIANO 2**
- 14:15-14:30 **Bowel obstruction by age**
Martin Stenzel (Cologne, Germany)
- 14:30-14:45 **Congenital anomalies of the abdomen that should be followed post-natally**
Christopher Ian Cassady (Houston, USA)
- 14:45-15:00 **Diagnosis of neonatal jaundice**
Patricia Acharya (Loma Linda, USA)
- 15:00-15:15 **STAT! Emergencies you can't miss (cases)**
Giulia Perucca (Turin, Italy)

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14:15-15:15 CATEGORICAL COURSE IV-B Musculoskeletal: tips for specialists

ROOM:
CARAVAGGIO

Moderator: Lil-Sofie Ording Muller (Oslo, Norway)

14:15-14:30 **Newest Imaging techniques for MSK**

Diego Jaramillo (New York, USA)

14:30-14:45 **Marrow: normal to abnormal and why**

Lil-Sofie Ording Muller (Oslo, Norway)

14:45-15:00 **Metabolic bone disease made simple**

Eric Crotty (Cincinnati, USA)

15:00-15:15 **Challenging MSK ultrasound (cases)**

Thekla von Kalle (Stuttgart, Germany)

15:15-15:45 *Break*

15:50-16:50 SCIENTIFIC SESSION II-A CHEST - The floppy windpipe: Is it always tracheomalacia?

ROOM:
MICHELANGELO

Moderator: Pierluigi Ciet (Rotterdam, The Netherlands)

15:50-16:05 **Current imaging techniques and definitions of tracheomalacia**

Efthymia Alexopoulou (Athens, Greece)

16:05-16:35 SCIENTIFIC PAPERS

16:05-16:12 **CONCURRENT CT ANGIOGRAPHY AND DYNAMIC AIRWAY CT IN CHILDREN IN THE EVALUATION OF EXTRINSIC AIRWAY COMPRESSION**

Jordan B. Rapp^(1,2), Karen I. Ramirez, Hansel J. Otero^(1,2), Seth E. Vatsky^(1,2),
Ammie M. White^(1,2), David M. Biko^(1,2)

⁽¹⁾ Children's Hospital of Philadelphia, Philadelphia (USA), ⁽²⁾ University of Pennsylvania, Perelman School of Medicine, Philadelphia (USA)

16:12-16:19 **BRONCHOPULMONARY MALFORMATIONS. PRE AND POSTNATAL IMAGING AND FOLLOW-UP OF NON-OPERATIVE CASES.**

Beverley Newman, Claudia Mueller, Matias Bruzoni, Modupeola Diyaolu,
Richard Barth

Stanford Children's Hospital at Stanford University, Stanford (USA)

16:19-16:26 **LOW DOSE CHEST CT FOR DIAGNOSIS OF PEDIATRIC ESOPHAGEAL FOREIGN BODIES**

Victor Seghers, Herman Kan, Ray Somcio, Paul Guillerma, Carly Hansen,
Raymond Pahlka, Andy Sher, Marla Sammer

Texas Children's Hospital, Houston (USA)

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16:26-16:33 **THE ROLE OF SUPERB MICROVASCULAR IMAGING AND SHEAR WAVE ELASTOGRAPHY IN DIFFERENTIATION OF THYROID NODULES FROM INTRATHYROIDAL ECTOPIC THYMUS IN CHILDREN**
Zuhal Bayramoglu, Igor Ihezagire, Yunus Emre Akpinar, Ibrahim Adaletli
Istanbul University, Istanbul Medical Faculty, Radiology Department, Istanbul (TURKEY)

16:35-16:50 **Future perspectives**
Pierluigi Ciet (Rotterdam, The Netherlands)

**15:50-16:50 SCIENTIFIC SESSION II-B
CONTRAST MATERIALS - New techniques in
MR vascular imaging**

**ROOM:
TIZIANO 2**

Moderator: Christian Kellenberger (Zurich, Switzerland)

15:50-16:05 **Old contrast, new contrast, no contrast: where we stand in vascular imaging**
Govind Chavhan (Toronto, Canada)

16:05-16:35 SCIENTIFIC PAPERS

16:05-16:12 **FERUMOXYTOL-ENHANCED 4D FLOW MRI FOR INTERROGATION OF RENAL BLOOD FLOW: COMPARATIVE ASSESSMENT IN CHILDREN WITH AND WITHOUT END-STAGE RENAL DISEASE**
Evan Zucker, Aya Kino, Richard Barth, Shreyas Vasanawala
Stanford University, Department of Radiology, Stanford (USA)

16:12-16:19 **SAFETY AND ACCEPTANCE OF ULTRASOUND CONTRAST AGENTS IN CHILDREN AND ADOLESCENTS - CONTRAST ENHANCED VOIDING UROSONOGRAPHY AND CONTRAST ENHANCED ULTRASOUND**
Katja Glutig, Josefina Seelbach, Paul-C. Krüger, Matthias Waginger, Diane M. Renz, Hans-Joachim Mentzel
Section of Pediatric Radiology, University hospital Jena, Jena (GERMANY)

16:19-16:26 **CONTRAST-ENHANCED ULTRASOUND (CEUS) IN THREE PATIENTS WITH MULTISYSTEM INFLAMMATORY SYNDROME IN CHILDREN (MIS-C)**
Misun Hwang ^(1,2), Luis Octavio Tierradentro-García, Laura Poznick, Todd Kilbaugh ^(2,3), Kathleen Chiotos ^(2,3)
⁽¹⁾ Department of Radiology, Children's Hospital of Philadelphia, Philadelphia (USA), ⁽²⁾ Perelman School of Medicine, University of Pennsylvania, Philadelphia (USA), ⁽³⁾ Department of Anesthesiology and Critical Care Medicine, Children's Hospital of Philadelphia, Philadelphia (USA)



Tuesday, October 12, 2021

16:26-16:33 **ADAPTING THE REALIZING IMPROVEMENT THROUGH TEAM EMPOWERMENT (RITE) PROGRAM TO A VIRTUAL FORMAT IN THE MIDST OF THE COVID-19 PANDEMIC**

Monica Miranda Schaeubinger ⁽¹⁾, Ethan Larsen ⁽¹⁾, Kandice Garcia Tomkins ⁽²⁾, Valerie Rigby ⁽¹⁾, Ammie White ⁽¹⁾, Raymond Sze ⁽¹⁾, David Larson ⁽²⁾

⁽¹⁾ Children's Hospital of Philadelphia, Department of Radiology, Philadelphia (USA), ⁽²⁾ Stanford University School of Medicine, Department of Radiology, Stanford (USA)

16:35-16:50 **Potential of non-contrast enhanced angiography**

Christian Kellenberger (Zurich, Switzerland)

15:50-16:50 SCIENTIFIC SESSION II-C: WORKING TOGETHER - Celebrating the 10th Anniversary of the WFPI

**ROOM:
TIZIANO 1**

Moderator: Joanna Kasznia-Brown (Bristol, UK)

15:50-16:05 **The time is now - urgent need for global approach in paediatric imaging**

Catherine Owens (Doha, Qatar)

16:05-16:20 **WFPI and current international initiatives in paediatric radiology**

Dorothy Bulas (Washington, USA)

16:20-16:35 **The importance of understanding cultural and political differences in large international societies**

Timothy Cain (Melbourne, Australia)

16:35-16:50 **The WFPI: a success story**

Maria Ines Boechat (Los Angeles, USA)



Tuesday, October 12, 2021

**15:50-16:50 SCIENTIFIC SESSION II-D:
IMAGE GENTLY/EUROSAFE SESSION
Pediatric CT diagnostic reference levels:
paradigm or paradox?**

**ROOM:
CARAVAGGIO**

Moderator: Donald Frush (Durham, USA)

15:50-16:00 **DRL: potentials and challenges in children**
Virginia Tsapaki (Vienna, Austria)

16:00-16:10 **Current status of pediatric DRL in North America**
Priscilla Butler (Philadelphia, USA)

16:10-16:20 **PiDRL: an EC tender initiative**
Claudio Granata (Trieste, Italy)

16:20-16:30 **iGuide and lessons learned from CT dose workshops**
Erich Sorantin (Graz, Austria)

16:30-16:40 **Other applications, collaborations and innovations in the paradigm
of pediatric CT DRLs**
Donald Frush (Durham, USA)

16:40-16:50 **Discussion**

**ROOM:
MICHELANGELO**

17:00-18:15 ESPR & SPR Awards and Honorary Members Ceremony

18:15 Adjourn

07:00-17:00 Cases of the Day

Moderators: Neil Johnson (Cincinnati, USA), Aurelio Secinaro (Rome, Italy)

NO CME ACCREDITATION

7:00-13:00 **Registration**



Wednesday, October 13, 2021

7:30-8:20	SUNRISE SESSION I-A Education	ROOM: MICHELANGELO
	<i>Moderator:</i> Cynthia Rigsby (Chicago, USA)	
7:30-7:55	Reviewing for pediatric radiology Peter Strouse (Ann Arbor, USA)	
7:55-8:20	Statistics for reading or writing a scientific publication: what a pediatric radiologist should know Øystein Olsen (London, UK)	
7:30-8:20	SUNRISE SESSION I-B Nuclear medicine	ROOM: TIZIANO 2
	<i>Moderator:</i> Victor J. Seghers (Houston, USA)	
7:30-7:55	How to optimize nuclear medicine techniques in children Hedieh Khalatbari (Seattle, USA)	
7:55-8:20	Use of 18F-DOPA PET/CT in children with hyperinsulinism Lisa States (Philadelphia, USA)	
7:30-8:20	SUNRISE SESSION I-C Musculoskeletal	ROOM: TIZIANO 1
	<i>Moderator:</i> ESPR/SPR	
7:30-7:55	Image-guided MSK interventions Sarah Menashe (Seattle, USA)	
7:55-8:20	Contrast enhanced ultrasound for evaluation of hip dysplasia/AVN Harriet Paltiel (Boston, USA)	



Wednesday, October 13, 2021

8:30-10:00 CATEGORICAL COURSE V-A **Genitourinary: the essentials** **ROOM: TIZIANO 2**

Moderator: Marie Cassart (Brussels, Belgium)

8:30-8:50 **UTD refresher**

Marie Cassart (Brussels, Belgium)

8:50-9:10 **Don't be confused: common congenital GU anomalies**

Veronica Rooks (Honolulu, USA)

9:10-9:30 **Imaging of the pelvis: when is US enough**

Maria Luisa Lobo (Lisbon, Portugal)

9:30-9:50 **STAT! Emergencies you can't miss (cases)**

Patricia Acharya (Loma Linda, USA)

8:30-10:00 CATEGORICAL COURSE V-B **Interventional: tips for specialists** **ROOM: CARAVAGGIO**

Moderator: Ryne Didier (Philadelphia, USA)

8:30-8:50 **Cryoablation, microwave, RFA: when, where, why ?**

João Amaral (Toronto, Canada)

8:50-9:10 **Inflammatory vs noninflammatory arterial stenosis: how and when to treat?**

Premal Patel (London, UK)

9:10-9:30 **Fetal vascular tumors: role of IR**

Josee Dubois (Montreal, Canada)

9:30-9:50 **Difficult cases or TEN commandments in IR - case experience**

Ralph Gnannt (Zurich, Switzerland)

10:00-10:30 **Break**

10:30-11:30 CATEGORICAL COURSE VI-A **Interventional: the essentials** **ROOM: TIZIANO 2**

Moderator: Anne Elizabeth Gill (Atlanta, USA)

10:30-10:45 **To drain or not to drain, and how!**

Julian Jürgens (Hamburg, Germany)

10:45-11:00 **Vascular malformations, practical approach**

Premal Patel (London, UK)

11:00-11:15 **Biliary intervention: tricks**

Anne Elizabeth Gill (Atlanta, USA)

11:15-11:30 **Renovascular disease - an update**

Anne Marie Cahill (Philadelphia, USA)



Wednesday, October 13, 2021

10:30-11:30 CATEGORICAL COURSE VI-B **Genitourinary: tips for specialists** **ROOM: CARAVAGGIO**

Moderator: Kassa Darge (Philadelphia, USA)

10:30-10:45 **MR of the GU tract: when and how**

Kassa Darge (Philadelphia, USA)

10:45-11:00 **Functional imaging of the urinary tract: when does dilation matter?**

Michael Riccabona (Graz, Austria)

11:00-11:15 **The management of UTD**

Samuel Stafrace (Doha, Qatar)

11:15-11:30 **GU-ess what? GU unknowns for the intrepid**

Boaz Karmazyn (Indianapolis, USA)

11:35-13:15 SCIENTIFIC SESSION III-A: **NEURO - From structural to functional pediatric neuroimaging** **ROOM: MICHELANGELO**

Moderator: Maarten Lequin (Utrecht, The Netherlands)

11:35-11:50 **Is functional neuroimaging adding value in daily practice?**

Shivaram Avula (Liverpool, UK)

11:50-13:00 SCIENTIFIC PAPERS

11:50-11:58 **STRUCTURAL HETEROGENEITY IN ADOLESCENT BRAIN AGE ASSOCIATED WITH DISTINCT COGNITIVE PROFILES.**

Susan Sotardi ⁽¹⁾, Monica Truelove-Hill ⁽²⁾, Guray Erus ⁽²⁾, Jimit Doshi ⁽²⁾, Raquel Gur ⁽²⁾, Ruben Gur ⁽²⁾, Daniel Wolf ⁽²⁾, Tyler Moore ⁽²⁾, Theodore Satterthwaite ⁽²⁾, Christos Davatzikos ⁽²⁾

⁽¹⁾ Children's Hospital of Philadelphia, Philadelphia (USA), ⁽²⁾ University of Pennsylvania, Philadelphia (USA)

11:58-12:06 **THE PEDIATRIC MILD TRAUMATIC INJURY DIFFUSION-TENSOR IMAGING STUDY AT 3 TESLA.**

Andrei Manzhurtsev, Maxim Ublinskiy ^(1,2), Alexey Yakovlev, Olga Bozhko, Tolib Akhadov, Natalia Semenova ^(1,2)

⁽¹⁾ Clinical and Research Institute of Emergency Pediatric Surgery and Trauma, Moscow (RUSSIA), ⁽²⁾ Emanuel Institute of Biochemical Physics of the Russian Academy of Sciences, Moscow (RUSSIA)



Wednesday, October 13, 2021

- 12:06-12:14 **EVALUATING BRAIN ELASTOGRAPHY CORRELATIONS IN A PEDIATRIC PORCINE MODEL OF ASPHYXIA ASSOCIATED CARDIAC ARREST**
Kristina Khaw ⁽¹⁾, Anush Sridharan ⁽²⁾, Sunil Unnikrishnan ⁽²⁾, Todd Kilbaugh ⁽³⁾, Misun Hwang ⁽²⁾
⁽¹⁾ University of Pennsylvania - Department of Bioengineering, Philadelphia (USA), ⁽²⁾ Children's Hospital of Philadelphia - Department of Radiology, Philadelphia (USA), ⁽³⁾ Children's Hospital of Philadelphia - Department of Anesthesiology and Critical Care Medicine, Philadelphia (USA)
- 12:14-12:22 **CEREBRAL PH IN ACUTE MILD TRAUMATIC BRAIN INJURY MEASURED BY 1H MAGNETIC RESONANCE SPECTROSCOPY**
Petr Bulanov, Andrei Manzhurts ^(1,2,3), Alexey Yakovlev ^(1,3,5), Petr Menshchikov ^(3,4), Maxim Ublinskiy ^(1,3), Natalia Semenova ^(1,2,3,5), Tolib Akhadov ^(1,2)
⁽¹⁾ Clinical and Research Institute of Emergency Pediatric Surgery and Traumatology, Moscow (RUSSIAN FEDERATION), ⁽²⁾ Lomonosov Moscow State University, Moscow (RUSSIAN FEDERATION), ⁽³⁾ Emanuel Institute of Biochemical Physics of RAS, Moscow (RUSSIAN FEDERATION), ⁽⁴⁾ Philips Healthcare, Moscow (RUSSIAN FEDERATION), ⁽⁵⁾ Semenov Institute of Chemical Physics of the Russian Academy of Sciences, Moscow (RUSSIAN FEDERATION)
- 12:22-12:30 **WILL THE REAL PAPILLEDEMA PLEASE COME FORWARD: DIFFERENTIATING CONCERNING AND CONGENITAL OPTIC NERVE DISK ELEVATION.**
Adam Goldman-Yassen ⁽¹⁾, Anna Shifrin ⁽²⁾, Avrum Pollock ⁽³⁾, Tamara Feygin ⁽³⁾
⁽¹⁾ Children's Healthcare of Atlanta, Atlanta (USA), ⁽²⁾ North Shore Radiological Associates, Winchester (USA), ⁽³⁾ Children's Hospital of Philadelphia, Philadelphia (USA)
- 12:30-12:38 **MRI-GUIDED LASER ABLATION FOR CHILDREN WITH REFRACTORY EPILEPSY RELATED TO HYPOTHALAMIC HAMARTOMA (HH): TECHNIQUE, PITFALLS AND INITIAL RESULTS IN 11 PATIENTS**
Jordi Muchart ⁽¹⁾, Santiago Candela ⁽²⁾, Monica Rebollo ⁽¹⁾, Marta Gomez-Chiari ⁽¹⁾, Javier Aparicio ⁽³⁾, Silvia Serrano ⁽⁴⁾, Mariana Alamar ⁽²⁾, Alia Ramirez ⁽³⁾, Maria Victoria Becerra ⁽²⁾, Alba Carrillo ⁽¹⁾, Ferran Pifarre ⁽¹⁾, Jose Hinojosa ⁽²⁾, Josep Munuera ⁽¹⁾
⁽¹⁾ Diagnostic Imaging Department, Sant Joan de Deu Barcelona Children's Hospital, Barcelona (SPAIN), ⁽²⁾ Neurosurgery Department, Sant Joan de Deu Barcelona Children's Hospital, Barcelona (SPAIN), ⁽³⁾ Neuropediatric Department, Sant Joan de Deu Barcelona Children's Hospital, Barcelona (SPAIN), ⁽⁴⁾ Anaesthesiology Department, Sant Joan de Deu Barcelona Children's Hospital, Barcelona (SPAIN)



Wednesday, October 13, 2021

- 12:38-12:46 **IMAGING OF PEDIATRIC SPINAL CORD INFARCT ASSOCIATED WITH FIBROCARILAGINOUS EMBOLISM**
Alireza Zandifar ⁽¹⁾, Luis O. Tierradentro-García ⁽¹⁾, Jorge Du Ub Kim ⁽¹⁾, Lauren A. Beslow ⁽²⁾, Arastoo Vossough ⁽³⁾
⁽¹⁾ Department of Radiology, Children's Hospital of Philadelphia, Philadelphia (USA), ⁽²⁾ Department of Neurology, Children's Hospital of Philadelphia, University of Pennsylvania, Philadelphia (USA), ⁽³⁾ Department of Radiology, Children's Hospital of Philadelphia, University of Pennsylvania, Philadelphia (USA)
- 12:46-12:54 **RED FLAGS OF TORTICOLLIS: RETROSPECTIVE STUDY OF 540 CHILDREN ADMITTED TO EMERGENCY DEPARTMENT**
Antonio Marrazzo ⁽¹⁾, Alessia Carboni ⁽¹⁾, Alessandro Ferretti ⁽²⁾, Eleonora Piccirilli ⁽⁵⁾, Francesco Dotta ⁽¹⁾, Carlo Gandolfo ⁽¹⁾, Umberto Raucci ⁽³⁾, Paolo Tomà ⁽⁴⁾, G. Stefania Colafati ⁽¹⁾
⁽¹⁾ Neuroradiology Unit, Department of Imaging, Bambino Gesù Children's Hospital, IRCCS, Rome (ITALY), ⁽²⁾ Rare and Complex Epilepsy Unit, Department of Neurosciences, Bambino Gesù Children's Hospital, IRCCS, Rome (ITALY), ⁽³⁾ Emergency Department, Bambino Gesù Children's Hospital, IRCCS, Rome (ITALY), ⁽⁴⁾ Department of Imaging, Bambino Gesù Children's Hospital, IRCCS, Rome (ITALY), ⁽⁵⁾ Department of Neuroscience, Imaging and Clinical Science, University "G. D'Annunzio" of Chieti, Chieti
- 13:00-13:15 **Functional neuroimaging - state of the art and future directions**
Avner Meoded (Houston, USA)

11:35-13:15 SCIENTIFIC SESSION III-B: CARDIAC - 4D flow MRI

**ROOM:
TIZIANO 2**

Moderator: ESPR/SPR

- 11:35-11:50 **4D MR in congenital heart failure**
Prakash Masand (Houston, USA)

11:50-13:00 SCIENTIFIC PAPERS

- 11:50-11:58 **BIOMECHANICAL FLOW MODELING USING PATIENT-SPECIFIC 3D PRINTED MODELS FOR SURGICAL DECISION-MAKING IN ANOMALOUS AORTIC ORIGIN OF THE CORONARY ARTERIES (AAOCA)**
Yasaman Farsiani ⁽¹⁾, Jayanthi Parthasarathy ⁽¹⁾, Silvana Molossi ⁽²⁾, Carlos Mery ⁽³⁾, Atefe Razavi ⁽⁴⁾, Lakshmi Prasad Dasi ⁽⁴⁾, Rajesh Krishnamurthy ⁽¹⁾
⁽¹⁾ Nationwide Children's Hospital, Columbus (USA), ⁽²⁾ Baylor College of Medicine, Houston (USA), ⁽³⁾ University of Texas Austin, Austin (USA), ⁽⁴⁾ Georgia Institute of Technology, Atlanta (USA)



Wednesday, October 13, 2021

- 11:58-12:06 **UNDERSTANDING FONTAN ASSOCIATED LIVER DISEASE (FALD): CORRELATION OF VASCULAR FLOW IN THE LIVER WITH FONTAN HEMODYNAMICS IN CHILDREN**
Karen I. Ramirez-Suarez ⁽¹⁾, Ensar Yekeler ⁽¹⁾, Suraj D. Serai ⁽¹⁾, Jordan B Rapp ^(1,3), Sara L. Partington ⁽²⁾, Matthew A Harris ⁽²⁾, Kevin K. Whitehead ^(2,3), Jack Rychik ^(2,3), David M. Biko ^(1,3)
⁽¹⁾ Department of Radiology, Children's Hospital of Philadelphia, 3401 Civic Center Blvd, Philadelphia (USA), ⁽²⁾ Division of Cardiology, Children's Hospital of Philadelphia, Pennsylvania 3401 Civic Center Blvd, Philadelphia (USA), ⁽³⁾ University of Pennsylvania, Perelman School of Medicine, Philadelphia (USA)
- 12:06-12:14 **FREE-BREATHING NON-CONTRAST MR ANGIOGRAPHY IN CHILDREN USING 3D DUAL-ECHO DIXON TECHNIQUE: INITIAL CLINICAL EXPERIENCE**
Madeleine Fischer ⁽¹⁾, Jan-Malte Ambs ⁽¹⁾, Mischa Sommer ⁽¹⁾, Undine Wilke ⁽²⁾, Masami Yoneyama ⁽³⁾, Shuo Zhang ⁽²⁾, Carl-Martin Junge ⁽¹⁾
⁽¹⁾ Altonaer Kinderkrankenhaus gGmbH, Hamburg (GERMANY), ⁽²⁾ Philips Healthcare, Hamburg (GERMANY), ⁽³⁾ Philips Healthcare, Tokyo (JAPAN)
- 12:14-12:22 **QUANTITATIVE CT IN INFANTS WITH BRONCHOPULMONARY DYSPLASIA ASSOCIATED WITH AND WITHOUT PULMONARY HYPERTENSION**
Karen I. Ramirez-Suarez, Christian A. Barrera, Erik A. Jensen ^(2,3), Jordan B. Rapp ^(1,3), David M. Biko ^(1,3), Ammie M. White ^(1,3), Hansel J. Otero ^(1,3)
⁽¹⁾ Department of Radiology, Children's Hospital of Philadelphia, 3401 Civic Center Blvd, Philadelphia, PA (USA), ⁽²⁾ Division of Neonatology, The Children's Hospital of Philadelphia, 3401 Civic Center Blvd, Philadelphia, PA (USA), ⁽³⁾ University of Pennsylvania, Perelman School of Medicine, Philadelphia, PA (USA)
- 12:22-12:30 **NON-CONTRAST PULMONARY MRI: LONG-TERM MONITORING OF STRUCTURAL LUNG DISEASE IN PATIENTS WITH CYSTIC FIBROSIS.**
Mareen Kraus ⁽¹⁾, Michael Esser ⁽¹⁾, Lena Kiefer ⁽¹⁾, Ricarda Schwarz ⁽¹⁾, Philipp Utz ⁽²⁾, Ute Graepler Mainka ⁽²⁾, Ilias Tsiflikas ⁽¹⁾, Jürgen F Schäfer ⁽¹⁾
⁽¹⁾ Diagnostic and interventional Radiology, Tübingen (GERMANY), ⁽²⁾ Paediatrics, Tübingen (GERMANY)
- 12:30-12:38 **LUNG MR-IMAGING WITH 3D ULTRASHORT-TE IN FREE BREATHING IN COMPARISON WITH CONVENTIONAL T2 SEQUENCES IN PEDIATRIC RADIOLOGY**
Franz-Wolfgang Hirsch ⁽¹⁾, Rebecca Anders ⁽¹⁾, Thomas Benkert ⁽²⁾, Daniel Gräfe ⁽¹⁾
⁽¹⁾ Department of Pediatric Radiology, University of Leipzig, Leipzig (GERMANY), ⁽²⁾ Siemens Healthcare GmbH, Erlangen (GERMANY)



Wednesday, October 13, 2021

- 12:38-12:46 **FAST LUNG MRI AS A DIAGNOSTIC IMAGING TOOL FOR CONGENITAL DIAPHRAGMATIC HERNIA**
Sureyya Burcu Gorkem ⁽¹⁾, Hazal Bercem Gurleyen ⁽²⁾
⁽¹⁾ Erciyes University Department of Pediatric Radiology, Kayseri (TURKEY), ⁽²⁾ Erciyes University Department of Pediatric Surgery, Kayseri (TURKEY)
- 12:46-12:54 **THORACIC IMAGING FEATURES OF ANTI-MDA5 JUVENILE DERMATOMYOSITIS**
HaiThuy Nguyen ⁽¹⁾, David Moreno-McNeill ⁽²⁾, Manuel Silva-Carmona ⁽²⁾, Tiphane Vogel ⁽³⁾, R. Paul Guillerman ⁽¹⁾
⁽¹⁾ Texas Children's Hospital - Department of Radiology, Houston (USA), ⁽²⁾ Texas Children's Hospital - Department of Pediatrics, Pulmonology, Houston (USA), ⁽³⁾ Texas Children's Hospital - Department of Pediatrics, Rheumatology, Houston (USA)
- 13:00-13:15 **New applications of 4D MRI**
Andrew Taylor (London, UK)

11:35-13:15 SCIENTIFIC SESSION III-C: GENITOURINARY - New approaches to detect damage to the pediatric kidney

**ROOM:
TIZIANO 1**

Moderator: Fred Avni (Brussels, Belgium)

- 11:35-11:50 **What did we learn from imaging renal damage in children?**
Fred Avni (Brussels, Belgium)

11:50-13:00 SCIENTIFIC PAPERS

- 11:50-11:58 **MRI-CHARACTERISTICS OF PEDIATRIC RENAL TUMORS: A SIOP-RTSG RADIOLOGY PANEL DELPHI STUDY**
Justine N. van der Beek ^(1,2), Tom A. Watson ⁽³⁾, Rutger A.J. Nieuvelstein ^(1,2), Ronald R. de Krijger ^(2,4), Norbert Graf ⁽⁵⁾, Østein E. Olsen ⁽³⁾, Jens-Peter Schenk ⁽⁶⁾, Marry M. van den Heuvel-Eibrink ⁽²⁾, Annemieke S. Littooj ^(1,2)
⁽¹⁾ Department of Radiology and Nuclear Medicine, University Medical Center Utrecht/Wilhelmina Children's Hospital, Utrecht (THE NETHERLANDS), ⁽²⁾ Princess Máxima Center for Pediatric Oncology, Utrecht (THE NETHERLANDS), ⁽³⁾ Department of Paediatric Radiology, Great Ormond Street Hospital NHS Foundation Trust, London (UNITED KINGDOM), ⁽⁴⁾ Department of Pathology, University Medical Center Utrecht, Utrecht (THE NETHERLANDS), ⁽⁵⁾ Department of Paediatric Oncology&Hematology, Saarland University Medical Center-Saarland University Faculty of Medicine, Homburg (GERMANY), ⁽⁶⁾ Clinic of Diagnostic and Interventional Radiology, Division of Pediatric Radiology, Heidelberg University Hospital, Heidelberg (GERMANY)



Wednesday, October 13, 2021

- 11:58-12:06 **ROLE OF INTRA-VOXEL INCOHERENT DIFFUSION (IVIM) MRI IN SURVEILLANCE OF KIDNEY TRANSPLANT DYSFUNCTION: PRELIMINARY FINDINGS.**
Adarsh Ghosh, Bernarda Viteri, Erum A Hartung, Tricia Bhatti, Dmitry Khrichenko, Mohini Dutt, Robert Carson, Hansel J. Otero, Suraj Serai
Children's Hospital of Philadelphia, Philadelphia (USA)
- 12:06-12:14 **FUNCTIONAL MAGNETIC RESONANCE UROGRAPHY (FMRU) IN URETEROPELVIC JUNCTION OBSTRUCTION (UPJO): PROPOSAL FOR A PEDIATRIC QUANTITATIVE SCORE**
Fiammetta Sertorio ⁽¹⁾, Maria Beatrice Damasio ⁽¹⁾, Irene Campo ⁽²⁾, Luca Basso ⁽¹⁾, Lorenzo Anfigeno ⁽³⁾, Michela Cing Yu Wong ⁽⁴⁾, Angela Pistorio ⁽⁵⁾, Monica Bodria ⁽⁶⁾, Giorgio Piaggio ⁽⁶⁾, Girolamo Mattioli ⁽⁴⁾
⁽¹⁾ IRCCS Giannina Gaslini, Radiology Department, Genova (ITALY), ⁽²⁾ UOC di Radiologia Ospedale Civile Conegliano Veneto, ULSS 2, Conegliano (ITALY), ⁽³⁾ Università degli Studi di Genova, DISSAL, Radiology Department, Genova (ITALY), ⁽⁴⁾ IRCCS Giannina Gaslini, Pediatric Surgery Department, Genova (ITALY), ⁽⁵⁾ IRCCS Giannina Gaslini, Epidemiology and Biostatistics Unit, Genova (ITALY), ⁽⁶⁾ IRCCS Giannina Gaslini, Nephrology and Renal Transplantation Department, Genova (ITALY)
- 12:14-12:22 **FEASIBILITY OF QUANTITATIVE ASSESMENT OF RENAL FUNCTION USING MOTION-INSENSITIVE MR UROGRAPHY IN PEDIATRIC PATIENTS**
Ramkumar Krishnamurthy ⁽¹⁾, Dmitry Khrichenko ⁽²⁾, Tobias Block ⁽³⁾, Sila Kurugol ⁽⁴⁾, Jeanne Chow ⁽⁴⁾, Rajesh Krishnamurthy ⁽¹⁾
⁽¹⁾ Nationwide Children's Hospital - Radiology, Columbus (USA), ⁽²⁾ Children's Hospital of Philadelphia - Radiology, Philadelphia (USA), ⁽³⁾ NYU Langone health - Radiology, NewYork (USA), ⁽⁴⁾ Boston Children's Hospital - Radiology, Boston (USA)
- 12:22-12:30 **DIFFUSION-WEIGHTED MRI IN THE EVALUATION OF RENAL PARENCHYMAL INVOLVEMENT DURING FEBRILE URINARY TRACT INFECTIONS IN CHILDREN: PRELIMINARY DATA**
Lorenzo Anfigeno ⁽¹⁾, Fiammetta Sertorio ⁽¹⁾, Luca Basso ⁽¹⁾, Andrea Fontana ⁽²⁾, Monica Bodria ⁽³⁾, Angela Pistorio ⁽⁴⁾, Gian Marco Ghiggeri ⁽³⁾, Maria Beatrice Damasio ⁽¹⁾
⁽¹⁾ Radiology Department, IRCCS Giannina Gaslini, Genoa (ITALY), ⁽²⁾ Postgraduation School in Radiodiagnostics, Università degli Studi di Milano, Milan (ITALY), ⁽³⁾ Nephrology Department, IRCCS Giannina Gaslini, Genoa (ITALY), ⁽⁴⁾ Epidemiology and Biostatistics Department, IRCCS Giannina Gaslini, Genoa (ITALY)



Wednesday, October 13, 2021

- 12:30-12:38 **MULTIPARAMETRIC QUANTITATIVE RENAL MRI IN CHILDREN AND YOUNG ADULTS: COMPARISON BETWEEN HEALTHY PARTICIPANTS AND PATIENTS WITH CHRONIC KIDNEY DISEASE**
Jonathan Dillman, Stefanie Benoit, Deep Gandhi, Prasad Devarajan, Jean Tkach, Andrew Trout
Cincinnati Children's Hospital Medical Center, Cincinnati, OH (USA)
- 12:38-12:46 **COMPARISON OF DEEP LEARNING RECONSTRUCTION OF UNENHANCED CT FOR URINARY TRACT STONE DETECTION**
Samjhana Thapaliya, Elanchezhian Somasundaram, Samuel Brady, Christopher Anton, Brian Coley, Alexander Towbin, Jonathan Dillman, Andrew Trout
Cincinnati Children's Hospital Medical Center Department of Radiology, Cincinnati (USA)
- 12:46-12:54 **ROLE OF ELASTOSONOGRAPHY IN THE MANAGEMENT OF POST-OPERATIVE UNDESCENDED TESTES IN CHILDREN**
Silvia Storer ⁽¹⁾, Costanza Bruno ⁽²⁾, Simone Patanè ⁽³⁾, Nicola Zampieri ⁽⁴⁾, Stefania Montemezzi ⁽⁵⁾, Francesco Camoglio ⁽⁶⁾
⁽¹⁾ Radiology Unit, Department of Pathology and Diagnostics, AOUI, Verona (ITALY), ⁽²⁾ Radiology Unit, Department of Pathology and Diagnostics, AOUI, Verona (ITALY), ⁽³⁾ Pediatric Surgery Unit, Department of Surgery, Dentistry, Pediatrics and Gynaecology, AOUI, Verona (ITALY), ⁽⁴⁾ Pediatric Surgery Unit, Department of Surgery, Dentistry, Pediatrics and Gynaecology, AOUI, Verona (ITALY), ⁽⁵⁾ Radiology Unit, Department of Pathology and Diagnostics, AOUI, Verona (ITALY), ⁽⁶⁾ Pediatric Surgery Unit, Department of Surgery, Dentistry, Pediatrics and Gynaecology, AOUI, Verona (ITALY)
- 13:00-13:15 **Advanced imaging of the renal parenchyma**
Gabrielle Collieran (Dublin, Ireland)
- 11:35-13:15 SCIENTIFIC SESSION III-D: ONCOLOGY - Current controversies in childhood cancer** **ROOM: CARAVAGGIO**
Moderator: Kieran McHugh (London, UK)
- 11:35-11:50 **Pitfalls and errors in pediatric oncologic imaging**
Kieran McHugh (London, UK)



Wednesday, October 13, 2021

11:50-13:00 SCIENTIFIC PAPERS

- 11:50-11:58 **RADIOGENOMICS PREDICTION OF MYCN STATUS IN NEUROBLASTOMA: A HYPOTHESIS GENERATING STUDY**
Pier Luigi Di Paolo ⁽¹⁾, Davide Curione ⁽¹⁾, Angela Di Giannatale ⁽²⁾, Jacopo Lenkowicz ⁽³⁾, Antonio Napolitano ⁽¹⁾, Franco Locatelli ⁽²⁾, Paolo Tomà ⁽¹⁾, Luca Boldrini ⁽³⁾, Aurora Castellano ⁽²⁾, Aurelio Secinaro ⁽¹⁾
⁽¹⁾ Bambino Gesù Children's Hospital IRCCS, Department of Imaging, Rome (ITALY), ⁽²⁾ Bambino Gesù Children's Hospital IRCCS, Department of Pediatric Onco-Hematology, Rome (ITALY), ⁽³⁾ Fondazione Policlinico Universitario A. Gemelli IRCCS, Department of Radiology, Rome (ITALY)
- 11:58-12:06 **QUANTITATIVE CT TEXTURE FEATURES CAN NON-INVASIVELY PREDICT MYCN GENE AMPLIFICATION STATUS IN NEUROBLASTOMA**
Eelin Tan ⁽¹⁾, Khurshid Merchant ⁽²⁾, Seyed Ehsan Saffari ⁽³⁾, Joseph Zhao ⁽⁴⁾, Edna Aw ⁽¹⁾, Kenneth Chang ⁽²⁾, Phua Hwee Tang ⁽¹⁾
⁽¹⁾ KK Womens and Children's Hospital - Diagnostic and Interventional Imaging, Singapore (SINGAPORE), ⁽²⁾ KK Womens and Children's Hospital - Department of Pathology and Laboratory Medicine, Singapore (SINGAPORE), ⁽³⁾ Duke NUS Medical School - Centre for Quantitative Medicine, Singapore (SINGAPORE), ⁽⁴⁾ National University of Singapore - Yong Loo Lin School of Medicine, Singapore (SINGAPORE)
- 12:06-12:14 **VALIDATION OF LOW DOSE CHEST CT EQUIVALENT TO TWO TWO-VIEW CHEST RADIOGRAPHS FOR DETECTION OF LUNG NODULES**
Samjhana Thapaliya ⁽¹⁾, Leah Gilligan ⁽²⁾, Samuel Brady ⁽¹⁾, Christopher Anton ⁽¹⁾, Michael Nasser ⁽¹⁾, Eric Crotty ⁽¹⁾, Jonathan Dillman ⁽¹⁾, Andrew Trout ⁽¹⁾
⁽¹⁾ Cincinnati Children's Hospital Medical Center, Department of Radiology, Cincinnati (USA), ⁽²⁾ Northwestern University Feinberg School of Medicine; Department of Radiology, Chicago (USA)
- 12:14-12:22 **VIRTUAL SURGICAL PLANNING AND PATIENT-SPECIFIC 3D-PRINTED MODELS FROM MULTIMODAL IMAGING FOR IMPROVED OUTCOMES IN PEDIATRIC ORTHOPEDIC TUMOR RESECTION**
Jayanthi Parthasarathy, Mitchell Rees, Bhavani Selvaraj, Thomas Scharschmidt
Nationwide Children's hospital, Columbus (USA)
- 12:22-12:30 **E-CIGARETTE OR VAPING PRODUCT USE ASSOCIATED LUNG INJURY (EVALI) IN ADOLESCENTS**
Jihyun Kang, Brandon Lei, Ryan Webb, Haneen Ali, Ami Gokli
⁽¹⁾ Staten Island University Hospital, Staten Island (USA)



Wednesday, October 13, 2021

- 12:30-12:38 **MR-EVALUATION OF WHITE MATTER AFTER THERAPY WITH HIGH-DOSE METHOTREXATE USING QUANTITATIVE T2 RELAXATION TIME AND ADC VALUES IN PEDIATRIC PATIENTS WITH LEUKEMIA**
Luciana Porto, Rafael Willems
Goethe Frankfurt University, Frankfurt (GERMANY)
- 12:38-12:46 **EXTERNAL VALIDATION OF THE 2017 2017 CHILDREN'S HEPATIC TUMORS INTERNATIONAL COLLABORATION-HEPATOBLASTOMA STRATIFICATION (CHIC-HS) SYSTEM IN PATIENTS WITH HEPATOBLASTOMA**
Pyeong Hwa Kim ⁽¹⁾, Hee Mang Yoon ⁽¹⁾, Hyun Joo Shin ⁽²⁾, Ah Young Jung ⁽¹⁾, Young Ah Cho ⁽¹⁾, Jin Seong Lee ⁽¹⁾
⁽¹⁾ Asan Medical Center, Seoul (SOUTH KOREA), ⁽²⁾ Severance Children's Hospital, Seoul (SOUTH KOREA)
- 12:46-12:54 **DIRECT CORRELATION OF MRI WITH HISTOPATHOLOGY IN PEDIATRIC RENAL TUMORS THROUGH THE USE OF A PATIENT-SPECIFIC 3D-PRINTED CUTTING GUIDE: A PILOT STUDY**
Justine N. van der Beek ^(1,2), Matthijs Fitski ⁽³⁾, Ronald R. de Krijger ^(1,4), Marc H.W.A. Wijnen ⁽³⁾, Marry M. van den Heuvel-Eibrink, Alida F.W. van der Steeg ⁽³⁾, Annemieke S. Littooi ^(1,2)
⁽¹⁾ Princess Máxima Center for Pediatric Oncology, Utrecht (THE NETHERLANDS), ⁽²⁾ Department of Radiology and Nuclear Medicine, University Medical Center Utrecht/Wilhelmina Children's Hospital, Utrecht (THE NETHERLANDS), ⁽³⁾ Department of Pediatric Surgery, Princess Máxima Center for Pediatric Oncology, Utrecht (THE NETHERLANDS), ⁽⁴⁾ Department of Pathology, University Medical Center Utrecht, Utrecht (THE NETHERLANDS)
- 13:00-13:15 **Approach to thyroid nodules in children**
Monica Epelman (Orlando, USA)

13:30 **Adjourn**

07:00-17:00 Cases of the Day

Moderators: Neil Johnson (Cincinnati, USA), Aurelio Secinaro (Rome, Italy)

NO CME ACCREDITATION



Thursday, October 14, 2021

7:00-18:00 **Registration**

7:30-8:20 SUNRISE SESSION II-A **ROOM:**
Technology & AI **MICHELANGELO**

Moderator: Lil-Sofie Ording Muller (Oslo, Norway)

7:30-7:55 **Deep Learning and AI in abdominal imaging**
Jonathan Dillman (Cincinnati, USA)

7:55-8:20 **Deep learning algorithms for detection of pediatric chest pathology**
Evan Zucker (California, USA)

7:30-8:20 SUNRISE SESSION II-B **ROOM:**
Neuro **TIZIANO 2**

Moderator: Laura Fenton (Aurora, USA)

7:30-7:55 **ASL perfusion of the pediatric brain: advantages and pitfalls**
Arastoo Vossough (Philadelphia, USA)

7:55-8:20 **Voxel wise analysis of the brain: making it easy for pediatric radiologists**
Loukas G. Astrakas (Ioannina, Greece)

7:30-8:20 SUNRISE SESSION II-C **ROOM:**
Radioprotection **TIZIANO 1**

Moderator: Erich Sorantin (Graz, Austria)

7:30-7:55 **Radiation protection issues in nuclear medicine: an update**
Raymond Benton Pahlka (Texas, USA)

7:55-8:20 **Radiation protection issues in CT: an update**
Erich Sorantin (Graz, Austria)



Thursday, October 14, 2021

8:30-10:00 CATEGORICAL COURSE VII-A

Oncology: the essentials

ROOM:
TIZIANO 2

Moderator: Annemieke Littooij (Utrecht, The Netherlands)

8:30-8:48 Common abdominal tumors : location, location location!

Annemieke Littooij (Utrecht, The Netherlands)

8:48-9:06 Lumps and bumps of the extremities

Jesse Courtier (San Francisco, USA)

9:06-9:24 Common CNS tumors: location, location, location!

Marjolein Dremmen (Rotterdam, The Netherlands)

9:24-9:42 Common chest masses

Robert Paul Guillerma (Houston, USA)

9:42-10:00 Cases: name that mass

Oystein Olsen (London, UK)

8:30-10:00 CATEGORICAL COURSE VII-B

Thoracic: tips for specialists

ROOM:
CARAVAGGIO

Moderator: Lil-Sofie Ording Muller (Oslo, Norway)

8:30-8:48 Lung infections in 2021: what is new and what we have learned

György Balázs (Budapest, Hungary)

8:48-9:06 Pattern recognition for a new classification system (ILD)

Edward Y. Lee (Boston, USA)

9:06-9:24 Pediatric thoracic neoplasms: beyond the imaging and above genetics

Ignasi Barber (Barcelona, Spain)

9:24-9:42 Private tour of pediatric thoracic trauma imaging

Domen Plut (Ljubljana, Slovenia)

9:42-10:00 Pediatric chest : "zebra" diagnoses (cases)

Monica Epelman (Orlando, USA)

10:00-10:30 Break



Thursday, October 14, 2021

10:30-11:55 SCIENTIFIC SESSION IV-A:

NEURO - Are genes or environments in control with CNS diseases?

**ROOM:
MICHELANGELO**

Moderator: Kshitij Mankad (London, UK)

10:30-10:45 **Emerging genotype/phenotype correlations in neuro-oncology**

David Mirsky (Aurora, USA)

10:45-11:40 **SCIENTIFIC PAPERS**

10:45-10:53 **GENETIC, CLINICAL, AND IMAGING PREDICTORS OF ATAXIA IN PEDIATRIC PRIMARY MITOCHONDRIAL DISORDERS**

Luis Octavio Tierradentro-García, Juan Sebastian Martin-Saavedra ^(1,2,3), Sara Reis Teixeira, Cesar Augusto Alves, Fabrício Gonçalves, Martin Kidd ⁽⁴⁾, Colleen Muraresku ⁽⁵⁾, Amy Goldstein ^(5,6), Arastoo Vossough ^(1,7)

⁽¹⁾ Division of Neuroradiology, Department of Radiology, Children's Hospital of Philadelphia, Philadelphia (USA), ⁽²⁾ Department of Pediatrics, St. Christopher's Hospital for Children, Philadelphia (USA), ⁽³⁾ Clinical Research Group, Escuela de Medicina y Ciencias de la Salud, Universidad del Rosario, Bogota (COLOMBIA), ⁽⁴⁾ Central for Statistical Consultation, Stellenbosch University, Stellenbosch (SOUTH AFRICA), ⁽⁵⁾ Mitochondrial Medicine Frontier Program, Division of Human Genetics, Department of Pediatrics, CHOP, Philadelphia (USA), ⁽⁶⁾ Department of Pediatrics, University of Pennsylvania Perelman School of Medicine, Philadelphia (USA), ⁽⁷⁾ Department of Radiology, University of Pennsylvania Perelman School of Medicine, Philadelphia (USA)



Thursday, October 14, 2021

10:53-11:01

WIDENING THE NEUROIMAGING FEATURES OF ADENOSINE DEAMINASE 2 DEFICIENCY

Ana Geraldo ⁽¹⁾, Roberta Caorsi ⁽²⁾, Domenico Tortora ⁽³⁾, Carlo Gandolfo ⁽⁴⁾, Rosa Ammendola ⁽³⁾, Maria Alessio ⁽⁵⁾, Giovanni Conti ⁽⁶⁾, Antonella Insalaco ⁽⁷⁾, Serena Pastore ⁽⁸⁾, Silvana Martino ⁽⁹⁾, Isabella Ceccherini ⁽¹⁰⁾, Sara Signa ⁽²⁾, Marco Gattorno ⁽²⁾, Andrea Rossi ⁽¹⁾, Mariasavina Severino ⁽¹⁾

⁽¹⁾ Diagnostic Neuroradiology Unit, Centro Hospitalar Vila Nova de Gaia/ Espinho EPE, Vila Nova de Gaia (PORTUGAL), ⁽²⁾ Center for Autoinflammatory diseases and Immunodeficiencies, IRCCS Istituto Giannina Gaslini, Genoa (ITALY), ⁽³⁾ Neuroradiology Unit, IRCCS Istituto Giannina Gaslini, Genoa (ITALY), ⁽⁴⁾ Interventional Unit, IRCCS Istituto Giannina Gaslini, Genoa (ITALY), ⁽⁵⁾ Department of Translational Medical Sciences Federico II University of Naples, Naples (ITALY), ⁽⁶⁾ Pediatric Nephrology and Rheumatology Unit, AOU G Martino, Messina (ITALY), ⁽⁷⁾ Division of Rheumatology, IRCCS Ospedale Pediatrico Bambino Gesù, Rome (ITALY), ⁽⁸⁾ Department of Pediatrics, Institute for Maternal and Child Health - IRCCS Burlo Garofolo, Trieste (ITALY), ⁽⁹⁾ Division of Pediatric Immunology and Rheumatology, Department of Public Health and Pediatrics, Regina Margherita Children's Hospital, Turin (ITALY), ⁽¹⁰⁾ UOSD Genetics and Genomics of Rare Diseases, IRCCS Istituto Giannina Gaslini, Genoa (ITALY)

11:01-11:09

SWALLOWING DIFFICULTIES AND BREATHING DIFFICULTIES IN CHILDREN WITH SPINA BIFIDA- ARE THESE A COMPLICATION OF COMPRESSION AT THE FORAMEN MAGNUM OR OF DYSPLASTIC BRAIN DEVELOPMENT?

Matylda Sheehan ⁽¹⁾, Fiona Healy ⁽²⁾, Aoibhinn Walsh ⁽²⁾, Irwin Gill ⁽²⁾, Jane Leonard ⁽²⁾, Kieron Sweeney ⁽³⁾, Stephanie Ryan ⁽¹⁾

⁽¹⁾ Children's Health Ireland at Temple Street, Dept of Radiology, Dublin (IRELAND), ⁽²⁾ Children's Health Ireland at Temple Street, Dept of Paediatrics, Dublin (IRELAND), ⁽³⁾ Children's Health Ireland at Temple Street, Dept of Neurosurgery, Dublin (IRELAND)

11:09-11:17

KRABBE DISEASE AND METACHROMATIC LEUKODYSTROPHY: COMPARISON OF INITIAL MRI FINDINGS FOR DIFFERENTIAL DIAGNOSIS

YoungHun Choi ⁽¹⁾, Seulbi Lee ⁽¹⁾, Seunghyun Lee ⁽¹⁾, Yeon Jin Cho ⁽¹⁾, Jung-Eun Cheon ⁽¹⁾, Woo Sun Kim ⁽¹⁾, Jae-Yeon Hwang ⁽²⁾

⁽¹⁾ Seoul National University Children's Hospital, Seoul (SOUTH KOREA), ⁽²⁾ Pusan National University Yangsan Hospital, Seoul (SOUTH KOREA)



Thursday, October 14, 2021

- 11:17-11:25 **CORPUS CALLOSUM THICKNESS IN NF1 AND ITS CORRELATION WITH COGNITIVE, DEVELOPMENTAL, INTELLECTUAL ASSESSMENT, AUTISM SPECTRUM, AND ADHD**
Monica Miranda Schaeubinger, Luis Tierradentro Garcia, Jorge Kim, Cesar Alves, Savvas Andronikou
Children's Hospital of Philadelphia, Department of Radiology, Philadelphia (USA)
- 11:25-11:33 **CERVICAL INTERNAL CAROTID ARTERIOPATHY IN CHILDREN WITH SICKLE CELL ANEMIA. TEN-YEAR FOLLOW-UP**
Suzanne Verlhac ⁽¹⁾, Alexandra Ntorkou ⁽¹⁾, Ghislaine Ithier ⁽²⁾, Camelia Oloukoi ⁽¹⁾, Mariane Alison ⁽¹⁾
⁽¹⁾ *Pediatric Imaging Department, Robert Debre Hospital, APHP, PARIS (FRANCE)*, ⁽²⁾ *Referral center for sickle cell disease, Robert Debre Hospital, APHP, PARIS (FRANCE)*
- 11:40-11:55 **Should we know more about genetic pathways in cortical malformations?**
Kshitij Mankad (London, UK)

10:30-11:55 SCIENTIFIC SESSION IV-B:
GASTROINTESTINAL - Star Trek here we come!
Changes in abdominal imaging and biological markers

ROOM:
TIZIANO 2

Moderator: Rutger-Jan Nievelstein (Utrecht, The Netherlands)

- 10:30-10:45 **What we know so far**
Rutger-Jan Nievelstein (Utrecht, The Netherlands)

10:45-11:40 SCIENTIFIC PAPERS

- 10:45-10:53 **MULTI-INSTITUTIONAL SPR-VENDOR COLLABORATION FOR PEDIATRIC FREE-BREATHING ABDOMINAL MRI PROTOCOL OPTIMIZATION**
Cara Morin ⁽¹⁾, Vibhas Deshpande ⁽²⁾, Lindsay Griffin ⁽³⁾, Pedro Itriago Leon ⁽²⁾, Brian Dale ⁽²⁾, Sherwin Chan ⁽⁴⁾, Govind Chavhan ⁽⁵⁾, Michael Gee ⁽⁶⁾, Suraj Serai ⁽⁷⁾, Susan Sotardi ⁽⁷⁾, Teresa Victoria ⁽⁷⁾, Michael Moore ⁽⁸⁾
⁽¹⁾ *St. Jude Children's Research Hospital, Memphis (USA)*, ⁽²⁾ *Siemens Healthineers, Malvern (USA)*, ⁽³⁾ *Ann & Robert H Lurie Children's Hospital of Chicago, Chicago (USA)*, ⁽⁴⁾ *Children's Mercy Hospital, Kansas City (USA)*, ⁽⁵⁾ *Hospital for Sick Children, University of Toronto, Toronto (CANADA)*, ⁽⁶⁾ *Mass General Hospital/Harvard Medical School, Boston (USA)*, ⁽⁷⁾ *Children's Hospital of Philadelphia, Philadelphia (USA)*, ⁽⁸⁾ *Penn State Children's Hospital, Hershey (USA)*



Thursday, October 14, 2021

- 10:53-11:01 **SURVEY OF PEDIATRIC RADIOLOGY DEPARTMENTS REGARDING THE USE OF RAPID MRI FOR ABDOMINAL PAIN**
Pinar Karakas Rothey ⁽¹⁾, Govind Chavlan ⁽²⁾, Taylor Chung ⁽¹⁾, Cara Morin ⁽³⁾, Lara Farras ⁽²⁾, Subramanian Subramanian ⁽⁴⁾, Summer Kaplan ⁽⁵⁾, James Brian ⁽⁶⁾, Michael Aquino ⁽⁷⁾
⁽¹⁾ UCSF Benioff Children's Hospital Oakland, Oakland, CA (USA), ⁽²⁾ The Hospital for Sick Children, Toronto (CANADA), ⁽³⁾ St. Jude Hospital, Memphis, TN (USA), ⁽⁴⁾ UPMC Children's Hospital of Pittsburgh, Pittsburgh, PA (USA), ⁽⁵⁾ Children's Hospital of Philadelphia, Philadelphia (USA), ⁽⁶⁾ Penn State Hershey Medical Center, Hershey, PA (USA), ⁽⁷⁾ Cleveland Clinic, Cleveland, OH (USA)
- 11:01-11:09 **SHEAR WAVE ELASTOGRAPHY HAS POTENTIAL TO CLASSIFY NON-FIBROTIC LIVER TISSUE IN CHILDREN WITH SUSPECTED OR ESTABLISHED LIVER DISEASE NON-INVASIVELY: A PROSPECTIVE STUDY WITH HISTOLOGIC CORRELATION**
Hanna Hebelka ⁽¹⁾, Charlotte De Lange ⁽¹⁾, Håkan Boström ⁽¹⁾, Jenny Ahlin ⁽¹⁾, Mela Brink ⁽¹⁾, Nils Ekvall ⁽³⁾, Kerstin Lagerstrand ⁽²⁾
⁽¹⁾ Institute of Clinical Sciences, Sahlgrenska Academy, University of Gothenburg, Dept. of Pediatric Radiology, Gothenburg (SWEDEN), ⁽²⁾ Institute of Clinical Sciences, Sahlgrenska Academy, University of Gothenburg, Dept. of Medical Physics and Techniques, Gothenburg (SWEDEN), ⁽³⁾ Institute of Clinical Sciences, Sahlgrenska Academy, University of Gothenburg, Dept. of Pediatric Medicine, Gothenburg (SWEDEN)
- 11:09-11:17 **IMPACT OF PREOPERATIVE CT-BASED BODY METRICS ON POSTOPERATIVE COMPLICATIONS IN PEDIATRIC LIVER TRANSPLANT RECIPIENTS.**
Martijn Verhagen ⁽¹⁾, Stef Levolger ⁽¹⁾, Jan Binne Hulshoff ⁽¹⁾, Maureen Werner ⁽²⁾, Hubert van der Doef ⁽³⁾, Alain Viddeleer ⁽¹⁾, Ruben de Kleine ⁽²⁾, Robbert de Haas ⁽¹⁾
⁽¹⁾ UMCG, Department of radiology, Groningen (THE NETHERLANDS), ⁽²⁾ UMCG, Department of hepatobiliary surgery, Groningen (THE NETHERLANDS), ⁽³⁾ UMCG, Department of pediatric gastroenterology, Groningen (THE NETHERLANDS)
- 11:17-11:25 **ULTRASOUND LIVER STIFFNESS IS A GOOD BIOMARKER OF GRAFT CONDITION AT THE EARLY PHASE FOLLOWING PAEDIATRIC LIVER TRANSPLANTATION**
David Missud, Clément Escallard, Hélène Agostini, Inès Mannes, Danièle Pariente, Catherine Adamsbaum, Stéphanie Franchi-Abella
Hôpital Bicêtre - APHP, Le Kremlin-Bicêtre (FRANCE)



Thursday, October 14, 2021

- 11:25-11:33 **CORRELATION BETWEEN QUANTITATIVE MRI BIOMARKERS AND CLINICAL RISK SCORES IN CHILDREN AND YOUNG ADULTS WITH AUTOIMMUNE LIVER DISEASE**
Joseph McCrary, Jonathan Dillman ^(1,2), Neeraja Mahalingam, Ruchi Singh ⁽³⁾, Andrew Trout ^(1,2), Cyd Castro Rojas ⁽³⁾, Alexander Miethke ^(3,4)
⁽¹⁾ Cincinnati Children's Hospital Medical Center, Department of Radiology, Cincinnati (USA), ⁽²⁾ University of Cincinnati College of Medicine, Department of Radiology, Cincinnati (USA), ⁽³⁾ Cincinnati Children's Hospital Medical Center, Division of Pediatric Gastroenterology, Hepatology and Nutrition, Cincinnati (USA), ⁽⁴⁾ University of Cincinnati College of Medicine, Department of Pediatrics, Cincinnati (USA)
- 11:40-11:55 **Functional imaging of the future**
Jonathan Dillman (Cincinnati, USA)
- 10:30-11:55 SCIENTIFIC SESSION IV-C: THORACIC - Fifty shades of lymphatic imaging: visualization of the invisible vessels** **ROOM: TIZIANO 1**
Moderator: Willemijn M. Klein (Nijmegen, The Netherlands)
- 10:30-10:45 **In acquired diseases**
Dave Biko (Philadelphia, USA)
- 10:45-11:40 SCIENTIFIC PAPERS**
- 10:45-10:53 **THE USE OF MAGNETIC RESONANCE LYMPHANGIOGRAPHY TO IMPROVE OUR UNDERSTANDING OF LYMPHATIC DISEASE IN NOONAN SYNDROME**
Lotte Elisabeth Kleimeier, Jos M.T. Draaisma, Willemijn M. Klein
Radboud university medical centre, Nijmegen (THE NETHERLANDS)
- 10:53-11:01 **FERUMOXYTOL-ENHANCED DYNAMIC MR LYMPHANGIOGRAPHY: A NOVEL ALTERNATIVE METHOD TO GADOLINIUM-BASED CONTRAST AGENTS IN MR LYMPHATIC IMAGING IN CHRONIC KIDNEY DISEASE**
Ensar Yekeler ⁽¹⁾, Ganesh Krishnamurthy ⁽²⁾, Christopher L. Smith ⁽³⁾, Fernando A. Escobar ⁽²⁾, Erin Pinto ⁽⁴⁾, Jordan B. Rapp ⁽²⁾, Hansel J. Otero ⁽²⁾, Ammie M. White ⁽²⁾, Yoav Dori ⁽³⁾, David M. Biko ⁽²⁾
⁽¹⁾ Department of Radiology, Children's Hospital of Philadelphia, Philadelphia (USA), ⁽²⁾ Department of Radiology, Children's Hospital of Philadelphia, University of Pennsylvania Perelman School of Medicine, Philadelphia (USA), ⁽³⁾ Division of Cardiology, Children's Hospital of Philadelphia, University of Pennsylvania Perelman School of Medicine, Philadelphia (USA), ⁽⁴⁾ Center for Lymphatic Imaging and Interventions, Children's Hospital of Philadelphia, Philadelphia (USA)



Thursday, October 14, 2021

- 11:01-11:09 **THE USE OF INTRANODAL MR LYMPHANGIOGRAPHY IN PEDIATRIC UNIVERSITY HOSPITAL**
Caroline van Schaik ⁽¹⁾, Jan Jaap Janssen ⁽²⁾, Sjoerd Jenniskens ⁽³⁾, Leo Schultze Kool ⁽⁴⁾, Willemijn Klein ⁽⁵⁾
⁽¹⁾ Radboudumc, Nijmegen (THE NETHERLANDS), ⁽²⁾ Radboudumc, Nijmegen (THE NETHERLANDS), ⁽³⁾ Radboudumc, Nijmegen (THE NETHERLANDS), ⁽⁴⁾ Radboudumc, Nijmegen (THE NETHERLANDS), ⁽⁵⁾ Radboudumc, Nijmegen (THE NETHERLANDS)
- 11:09-11:17 **DYNAMIC CONTRAST-ENHANCED MAGNETIC RESONANCE LYMPHANGIOGRAPHY IN A PEDIATRIC TERTIARY HOSPITAL IN SWITZERLAND**
Ralph Gnannt, Hitendu Dave, Luregn Schlapbach, Christian Kellenberger
Children's Hospital Zurich, Zurich (SWITZERLAND)
- 11:17-11:25 **IMAGING FINDINGS OF COPA SYNDROME**
HaiThuy Nguyen ⁽¹⁾, Tiphonie Vogel ⁽²⁾, Manuel Silva-Carmona ⁽³⁾, Marietta DeGuzman ⁽²⁾, R. Paul Guillermin ⁽¹⁾
⁽¹⁾ Texas Children's Hospital - Department of Radiology, Houston (USA), ⁽²⁾ Texas Children's Hospital - Department of Pediatrics, Rheumatology, Houston (USA), ⁽³⁾ Texas Children's Hospital - Department of Pediatrics, Pulmonology, Houston (USA)
- 11:25-11:33 **THORACIC MDCT FINDINGS OF DOCK8 IMMUNODEFICIENCY SYNDROME IN CHILDREN**
Edward Y. Lee ⁽¹⁾, Sara Vargas ⁽²⁾, Jonathan Gaffin ⁽³⁾, Janet Chou ⁽⁴⁾, Abbey Winant ⁽⁵⁾
⁽¹⁾ Boston Children's Hospital and Harvard Medical School, Department of Radiology, Boston (USA), ⁽²⁾ Boston Children's Hospital and Harvard Medical School, Department of Pathology, Boston (USA), ⁽³⁾ Boston Children's Hospital and Harvard Medical School, Department of Pediatrics, Boston (USA), ⁽⁴⁾ Boston Children's Hospital and Harvard Medical School, Department of Pediatrics, Boston (USA), ⁽⁵⁾ Boston Children's Hospital and Harvard Medical School, Department of Radiology, Boston (USA)
- 11:40-11:55 **In congenital disorders**
Willemijn Klein (Nijmegen, The Netherlands)



Thursday, October 14, 2021

10:30-11:55	SCIENTIFIC SESSION IV-D: NUCLEAR MEDICINE - The world of PET/MR	ROOM: CARAVAGGIO
	<i>Moderator: Maria Carmen Garganese (Rome, Italy)</i>	
10:30-10:45	Whole-body PET/MRI of pediatric patients: details that matter in the clinic <i>Heike Daldrup-Link (Stanford, USA)</i>	
10:45-11:40	SCIENTIFIC PAPERS	
10:45-10:53	ROLE OF LOW DOSE 18F-FDG-PET/MRI IN THE DETECTION OF INFLAMMATORY AIRWAY CHANGES IN CHILDREN WITH CYSTIC FIBROSIS <i>Ricarda Schwarz ⁽¹⁾, Mareen Kraus ⁽¹⁾, Philipp Utz ⁽²⁾, Ute Graepler-Mainka ⁽²⁾, Helmut Dittmann ⁽³⁾, Ilias Tsiflikas ⁽¹⁾, Sergios Gatidis ⁽¹⁾, Jürgen Schäfer ⁽¹⁾, Michael Esser ⁽¹⁾</i> <i>⁽¹⁾ Radiology Department, university hospital Tübingen, Tübinge (GERMANY), ⁽²⁾ Pediatric Department, university hospital Tübingen, Tübingen (GERMANY), ⁽³⁾ Department for nuclear medicine, university hospital Tübingen, Tübingen (GERMANY)</i>	
10:53-11:01	GASTROINTESTINAL INVOLVEMENT OF POST-TRANSPLANT LYMPHOPROLIFERATIVE DISORDER (PTLD) AND THE UTILITY OF 18F-FDG POSITRON EMISSION TOMOGRAPHY (PET) <i>Jennifer Gillman, J. Christopher Davis, Lisa J. States Children's Hospital of Philadelphia, Philadelphia (USA)</i>	
11:01-11:09	IMAGING CHEMOTHERAPY-INDUCED BRAIN DAMAGE IN PEDIATRIC CANCER SURVIVORS. <i>Diana Lopez, Lucia Baratto, Florian Siedek, Ali Rashidi, Michael Iv, Hieke Dandrupl Stanford University, Palo Alto (USA)</i>	
11:09-11:17	ULTRASOUND DETERMINATION OF PEDIATRIC THYROID MASS <i>Abigail Crothers ⁽¹⁾, Janet Chuang ⁽²⁾, Susan Sharp ⁽³⁾, Sarah Szabo ⁽⁴⁾, Bin Zhang ⁽⁵⁾, Andrew Trout ⁽³⁾</i> <i>⁽¹⁾ University of Cincinnati College of Medicine, Cincinnati (USA), ⁽²⁾ Cincinnati Children's Hospital Medical Center, Division of Endocrinology, Cincinnati (USA), ⁽³⁾ Cincinnati Children's Hospital Medical Center, Department of Radiology, Cincinnati (USA), ⁽⁴⁾ Cincinnati Children's Hospital Medical Center, Division of Pathology and Laboratory Medicine, Cincinnati (USA), ⁽⁵⁾ Cincinnati Children's Hospital Medical Center, Division of Biostatistics and Epidemiology, Cincinnati (USA)</i>	



Thursday, October 14, 2021

- 11:17-11:25 **CLINICAL SIGNIFICANCE OF MULTIPLE COLLOID NODULES IN CHILDREN**
Zuhal Bayramoglu, Zeynep Nur Akyol Sari
Istanbul University, Istanbul Medical Faculty, Radiology Department, Istanbul (TURKEY)
- 11:25-11:33 **A META-ANALYSIS ON THE DIAGNOSTIC PERFORMANCE OF WHOLE-BODY MRI VERSUS FDG-PET/CT FOR THE INITIAL STAGING OF HODGKIN LYMPHOMA**
Suzanne Spijkers ⁽¹⁾, Annemieke S. Littooi ^(1,2), Auke Beishuizen ⁽²⁾, Marnix G.E.H. Lam ^(1,2), Rutger A.J. Nievelstein ^(1,2)
⁽¹⁾ Department of Radiology and Nuclear Medicine, University Medical Centre Utrecht/Wilhelmina Children's Hospital, Utrecht (THE NETHERLANDS), ⁽²⁾ Princess Máxima Center for Pediatric Oncology, Utrecht (THE NETHERLANDS)
- 11:40-11:55 **Will hybrid imaging replace conventional MR in pediatric oncology?**
Maria Carmen Garganese (Rome, Italy)

ROOM: MICHELANGELO

12:00-12:30 JESPeR Lecture

Moderator: Damien Grattan-Smith (Atlanta, USA)

Imaging challenges in the assessment of response to therapy in pediatric neurooncology

Zoltan Patay (Memphis, USA)

ROOM: TIZIANO 2

13:00-13:30 Industry - Sponsored Symposium (NO CME ACCREDITATION)

ROOM: MICHELANGELO

13:50-15:15 IPR Olympics Panel

Quiz Masters: Thierry A.G.M Huisman (Houston, USA); Rutger-Jan Nievelstein (Utrecht, The Netherlands)

Team ESPR: Fred Avni (Brussels, Belgium); Franz Wolfgang Hirsch (Leipzig, Germany); Pek-Lan Khong (Hong Kong); Catherine Owens (Doha, Qatar); Rick van Rijn (Amsterdam, The Netherlands); Mariasavina Severino (Genoa, Italy)

Team SPR: Kassa Darge (Philadelphia, USA); Nilesh Desai (Houston, USA); Pilar Dies-Suarez (Mexico City, Mexico); Monica Epelman (Orlando, USA); Rajesh Krishnamurthy (Columbus, USA); Peter Strouse (Ann Arbor, USA)



Thursday, October 14, 2021

15:20-16:20 CATEGORICAL COURSE VIII-A Thoracic: the essentials

ROOM:
TIZIANO 2

Moderator: Annie Paterson (Belfast, UK)

15:20-15:35 **Neonatal chest imaging: old fashioned cookies with new sprinkles**

Mark Liszewski (Bronx, USA)

15:35-15:50 **Congenital malformations of lungs and airways**

Eleonore Blondiaux (Paris, France)

15:50-16:05 **Chest wall masses**

Annie Paterson (Belfast, UK)

16:05-16:20 **Pediatric chest "must know diagnoses" (cases)**

Winnie Chu (Hong Kong)

15:20-16:20 CATEGORICAL COURSE VIII-B Oncology: tips for specialists

ROOM:
CARAVAGGIO

Moderator: Maria Raissaki (Iraklion, Greece)

15:20-15:35 **Contrast enhanced ultrasound as a problem solving tool in pediatric oncology**

Beth McCarville (Memphis, USA)

15:35-15:50 **AI in pediatric oncologic imaging**

Heike Daldrup-Link (Stanford, USA)

15:50-16:05 **Tumors in syndromes: what is important, when to screen**

Ellen Chung (Columbus, USA)

16:05-16:20 **Tumor or not (tumors vs their mimics; cases)**

Maria Raissaki (Iraklion, Greece)

16:20-16:50 **Break**



Thursday, October 14, 2021

16:50-18:00 SCIENTIFIC SESSION V-A:

ARTIFICIAL INTELLIGENCE AND INFORMATICS

Integrating AI tools into pediatric radiology practice

**ROOM:
MICHELANGELO**

Moderator: ESPR/SPR

16:50-17:05 **Current state of artificial intelligence tools in pediatric radiology: how can we improve our workflow?**

Safwan Halabi (Stanford, USA)

17:05-17:45 SCIENTIFIC PAPERS

17:05-17:13 **MOST OF WHAT YOU NEED TO KNOW ABOUT THE PEDS AI LITERATURE IN 6 MINUTES OR LESS**

Brendan Kelly ⁽¹⁾, Ronan Killeen ⁽¹⁾, Aonghus Lawlor ⁽²⁾, Gabrielle Colleran ⁽³⁾

⁽¹⁾ St Vincents University Hospital, Dublin (IRELAND), ⁽²⁾ Insight @ UCD, Dublin (IRELAND), ⁽³⁾ CHI @ Temple Street University Hospital, Dublin (IRELAND)

17:13-17:21 **DEEP LEARNING ASSISTED DIAGNOSIS OF PEDIATRIC SKULL FRACTURE ON PLAIN RADIOGRAPHY**

Yeon Jin Cho, Seul Bi Lee, Jae Won Choi, Seunghyun Lee, Young Hun Choi, Jung-Eun Cheon, Woo Sun Kim

Seoul National University Hospital-Department of Radiology, Seoul (SOUTH KOREA)

17:21-17:29 **CONVOLUTIONAL NEURAL NETWORK FOR AUTOMATIC QUANTIFICATION OF LOWER EXTREMITY ALIGNMENT IN CHILDREN**

Andy Tsai

Boston Children's Hospital, Boston (USA)

17:29-17:37 **CAN A DEEP LEARNING MODEL AUTOMATE RADIOLOGICAL ANGLE MEASURES USED TO EVALUATE AND MANAGE CLUBFOOT?**

Daniella Patton, Adarsh Ghosh, Amy Farkas, Susan Sotardi ^(1,2), Michael Francavilla ^(1,2), Shyam Venkatakrishna, Minuhi Ouyang ⁽³⁾, Hao Huang ^(1,3), Richard Davidson, Raymond Sze ^(1,2), Jie Nguyen ^(1,2)

⁽¹⁾ Department of Radiology, The Children's Hospital of Philadelphia, Philadelphia (USA), ⁽²⁾ University of Pennsylvania School of Medicine, Philadelphia (USA), ⁽³⁾ Department of Radiology, Perelman School of Medicine, University of Pennsylvania, Philadelphia (USA)



Thursday, October 14, 2021

17:37-17:45 **INFERRING PEDIATRIC KNEE SKELETAL MATURITY FROM MRI USING DEEP LEARNING**

John Zech ⁽¹⁾, Giuseppe Carotenuto ⁽²⁾, Diego Jaramillo ⁽³⁾

⁽¹⁾ New York Presbyterian - Columbia University Irving Medical Center, New York (USA), ⁽²⁾ New York Presbyterian - Columbia University Irving Medical Center, New York (USA), ⁽³⁾ New York Presbyterian - Columbia University Children's Hospital of New York, New York (USA)

17:45-18:00 **Human-machine partnership in pediatric radiology: how can AI help us?** Susan Shelmerdine (London, UK)

16:50-18:00 **SCIENTIFIC SESSION V-B : EDUCATION AND CAREER DEVELOPMENT**

**ROOM:
TIZIANO 2**

Moderator: Maria Raissaki (Iraklion, Greece)

16:50-17:05 **Across the big pond: fostering career development** Birgit Ertl-Wagner (Toronto, Canada)

17:05-17:20 **Pediatric radiology - perspectives from a medical student** Arielle Vansyckel (Indianapolis, USA)

17:20-17:35 **Establishing competence in pediatric radiology** William Ramsden (Leeds, UK)

17:35-17:50 **What is so great about pediatric radiology?** Brandon Brown (Indianapolis, USA)

17:50-18:00 **Discussion**

16:50-18:00 **SCIENTIFIC SESSION V-C: ONCOLOGY - Late effects in survivors of childhood cancer, brain and spine**

**ROOM:
TIZIANO 1**

Moderator: Jean-Francois Chateil (Bordeaux, France)

16:50-17:05 **What are the late effects in survivors of childhood cancer?** Jean-François Chateil (Bordeaux, France)

17:05-17:45 **SCIENTIFIC PAPERS**

17:05-17:12 **FOLLOW-UP MRI AFTER INTRA-ARTERIAL CHEMOTHERAPY FOR RETINOBLASTOMA: SIGNIFICANCE OF OPTIC NERVE ENHANCEMENT** Liesbeth Cardoen ⁽¹⁾, Arnaud Gauthier ⁽¹⁾, Alexandre Matet ⁽¹⁾, Nayla Nicolas ⁽¹⁾, Livia Lumbroso-Le Rouic ⁽¹⁾, Isabelle Aerts ⁽¹⁾, Paul Freneaux ⁽¹⁾, Nathalie Cassoux ⁽¹⁾, François Doz ⁽¹⁾, Raphaël Blanc ⁽²⁾, Hervé J. Brisse ⁽¹⁾ ⁽¹⁾ Institut Curie, Paris (FRANCE), ⁽²⁾ Hôpital Fondation Adolphe de Rothschild, Paris (FRANCE)



Thursday, October 14, 2021

17:12-17:19

MAGNETIC RESONANCE ELASTOGRAPHY OF PEDIATRIC GLIOMAS: A PRELIMINARY EXPERIENCE

Rahul Nikam ⁽¹⁾, Grace McIlvain ⁽²⁾, Vinay Kandula ⁽¹⁾, Gurcharanjeet Kaur ⁽¹⁾, Andrew Walter ⁽¹⁾, Lauren Averill ⁽¹⁾, Arabinda Choudhary ⁽³⁾, Curtis Johnson ⁽²⁾
⁽¹⁾ Nemours Alfred I. duPont Hospital for Children, Wilmington (USA), ⁽²⁾ University of Delaware, Newark (USA), ⁽³⁾ University for Arkansas for Medical Sciences, Little Rock (USA)

17:19-17:26

MAGNETIC RESONANCE FEATURES AND CRANIAL NERVE INVOLVEMENT IN PEDIATRIC HEAD AND NECK RHABDOMYOSARCOMA

Giacomo Talenti ⁽¹⁾, Stefania Picariello ⁽²⁾, Caroline Robson ⁽³⁾, Russo Carmela ⁽⁴⁾, Slater Olga ⁽⁵⁾, Mertiri Livja ⁽⁶⁾, Bisdas Sotirios ⁽⁷⁾, Massimo Eraldo Abate ⁽⁸⁾, Perrotta Silverio ⁽⁹⁾, Richard Hewitt ⁽¹⁰⁾, Kshitij Mankad ⁽¹¹⁾, Felice D'Arco ⁽¹²⁾
⁽¹⁾ Azienda Ospedaliera Universitaria di Verona, Neuroradiology Unit, Verona, Italy, Verona (ITALY), ⁽²⁾ Department of Woman, Child and General and Specialized Surgery, University of Campania Luigi Vanvitelli, Naples, Ital, Naples (ITALY), ⁽³⁾ Boston Children's Hospital, Department of Radiology, Boston, Massachussets, USA, Boston (USA), ⁽⁴⁾ Neuroradiology Department, Santobono Children's Hospital, Naples, Italy., Naples (ITALY), ⁽⁵⁾ Neuro Oncology Department, Great Ormond Street Hospital for Children, London, UK., London (UNITED KINGDOM), ⁽⁶⁾ Great Ormond Street Hospital for Sick Children, Neuroradiology Department, London, UK, London (UNITED KINGDOM), ⁽⁷⁾ Lysholm Department of Neuroradiology, The National Hospital for Neurology and Neurosurgery, Queen Square 8-11, London WC, London (UNITED KINGDOM), ⁽⁸⁾ Pediatric Oncology, AORN Santobono-Pausilipon, Napoli, Italy, Naples (ITALY), ⁽⁹⁾ Pediatric Oncology, AORN Santobono-Pausilipon, Napoli, Italy, Naples (ITALY), ⁽¹⁰⁾ Ear, Nose and Throat Surgery Department, Great Ormond Street Hospital for Children NHS Trust, London, UK, London (UNITED KINGDOM), ⁽¹¹⁾ Great Ormond Street Hospital for Sick Children, Neuroradiology Department, London, UK, London (UNITED KINGDOM), ⁽¹²⁾ Great Ormond Street Hospital for Sick Children, Neuroradiology Department, London, UK, London (UNITED KINGDOM)



Thursday, October 14, 2021

- 17:26-17:33 **RADIOLOGIC CHARACTERIZATION OF PEDIATRIC POSTERIOR FOSSA EPENDYMOMAS: THE ROLE OF NEUROIMAGING IN DISTINGUISHING MOLECULAR SUBTYPES**
Jorge Kim ⁽¹⁾, Fabricio Goncalves ⁽¹⁾, Luis Tierradentro-Garcia ⁽¹⁾, Alireza Zandifar ⁽¹⁾, Adarsh Ghosh ⁽²⁾, Dmitry Khrichenko ⁽¹⁾, Angela Viaene ⁽³⁾, Cesar Alves ⁽¹⁾, Sara Teixeira ⁽¹⁾, Savvas Andronikou ^(1,4), Arastoo Vossough ^(1,4)
⁽¹⁾ Department of Radiology, Division of Neuroradiology, The Children's Hospital of Philadelphia, Philadelphia (USA), ⁽²⁾ Department of Radiology, Division of Body Imaging, The Children's Hospital of Philadelphia, Philadelphia (USA), ⁽³⁾ Department of Pathology and Laboratory Medicine, Perelman School of Medicine, University of Pennsylvania, Philadelphia (USA), ⁽⁴⁾ Department of Radiology, Perelman School of Medicine, University of Pennsylvania, Philadelphia (USA)
- 17:33-17:40 **PATIENTS DOSE COMMUNICATIONS IN PEDIATRIC SETTING FOR COMMONS RADIOLOGICAL EXAMINATIONS: WHAT THE PARENTS WANT TO KNOW**
Mario Pace ⁽¹⁾, Domenico Gagliano ⁽¹⁾, Claudio Granata ⁽²⁾, Andrea Magistrelli ⁽³⁾, Sergio Salerno ⁽¹⁾, Paolo Tomà ⁽³⁾
⁽¹⁾ Dipartimento di Biomedicina, Neuroscienze e Diagnostica avanzata, Policlinico Università di Palermo, Palermo (ITALY), ⁽²⁾ SCR di Radiologia Institute for Maternal and Child Health - IRCCS Burlo Garofolo, Trieste (ITALY), ⁽³⁾ Dipartimento Diagnostica per Immagini IRCCS Ospedale pediatrico Bambino Gesù Roma, Roma (ITALY)
- 17:45-18:00 **How to optimize detection of late effects, new techniques, or methods**
Chang Y. Ho (Indianapolis, USA)

**16:50-18:00 SCIENTIFIC SESSION V-D:
NUCLEAR MEDICINE - Theranostics:
more than just a difficult word to pronounce**

**ROOM:
CARAVAGGIO**

Moderator: Laura Fenton (Aurora, USA)

- 16:50-17:05 **Theranostics: update on a silent revolution**
Andrew Trout (Cincinnati, USA)

17:05-17:45 SCIENTIFIC PAPERS

- 17:05-17:12 **EFFICIENCY OF RADIOLOGISTS WORKING FROM HOME DURING A PANDEMIC AT A QUATERNARY PEDIATRIC ACADEMIC HOSPITAL**
Andrew Sher, Siddharth Jadhav, Victor Seghers, Nilesh Desai, Thierry Huisman, Marla Sammer
Texas Children's Hospital - Department of Radiology, Baylor College of Medicine, Houston (USA)



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- 17:12-17:19 **A PHANTOM STUDY FOR DEEP LEARNING BASED CT IMAGE CONVERSION IMPROVING REPRODUCIBILITY OF RADIOMICS FOR PEDIATRIC ABDOMEN CT**
Seul Bi Lee ⁽¹⁾, Yeon Jin Cho ⁽¹⁾, Seunghyun Lee ⁽¹⁾, Young Hun Choi ⁽¹⁾, Jung-Eun Cheon ⁽¹⁾, Woo Sun Kim ⁽¹⁾, Youngtaek Hong ⁽²⁾, Hackjoon Shim ⁽²⁾, Dawun Jeong ⁽³⁾
⁽¹⁾ Seoul National University Hospital, Seoul (SOUTH KOREA), ⁽²⁾ CONNECT-AI Research Center, Yonsei University College of Medicine, Seoul (SOUTH KOREA), ⁽³⁾ Division of Biomedical Engineering, Hankuk University of Foreign Studies, Yongin, Seoul (SOUTH KOREA)
- 17:19-17:26 **AI IN PAEDIATRIC RADIOLOGY: AN INTERNATIONAL SURVEY OF HEALTHCARE PROFESSIONALS' OPINIONS**
Susan Shelmerdine, Owen Arthurs
Great Ormond Street Hospital for Children, London (UNITED KINGDOM)
- 17:26-17:33 **E-PEER LEARNING: OUR MULTI-INSTITUTION EXPERIENCE.**
Kathleen Schenker ⁽¹⁾, Angie Miller ⁽²⁾, Cicero Silva ⁽³⁾, Douglas Moote ⁽⁴⁾, Shailee Lala ⁽⁵⁾, Sarah Milla ⁽⁶⁾, Jonathan Loewen ⁽⁶⁾, Monica Epelman ⁽⁷⁾
⁽¹⁾ Department of Medical Imaging, Nemours/Alfred I duPont Hospital for Children, Wilmington, DE (USA), ⁽²⁾ Department of Pediatric Radiology, University of Colorado School of Medicine, Children's Hospital of Colorado, Aurora, CO (USA), ⁽³⁾ Department of Radiology and Biomedical Imaging, Yale School of Medicine, New Haven, CT (USA), ⁽⁴⁾ Department of Radiology, Connecticut Children's Medical Center, Hartford, CT (USA), ⁽⁵⁾ Department of Radiology, New York University School of Medicine, New York, NY (USA), ⁽⁶⁾ Division of Pediatric Radiology, Emory University School of Medicine, Children's Healthcare of Atlanta, Atlanta, GA (USA), ⁽⁷⁾ Department of Radiology, Nemours Children's Hospital, Orlando, FL (USA)
- 17:33-17:40 **THE EVOLUTION OF A PEDIATRIC RADIOLOGY ELECTIVE: A SHIFT FROM READING-ROOM BASED INSTRUCTION TO A HYBRID MODEL OF LEARNING**
Melissa Hilmes ⁽¹⁾, Jacob Ramsey ⁽²⁾, Sudha Singh ⁽¹⁾
⁽¹⁾ Vanderbilt University Medical Center, Nashville, Tennessee (USA), ⁽²⁾ Vanderbilt School of Medicine, Nashville, Tennessee (USA)
- 17:45-18:00 **Hot issues and new frontiers in theranostics in children**
Andrew Trout (Cincinnati, USA)

18:00 **Adjourn**

07:00-17:00 **Cases of the Day**

Moderators: Neil Johnson (Cincinnati, USA), Aurelio Secinaro (Rome, Italy)

NO CME ACCREDITATION



Friday, October 15, 2021

7:00-17:30 **Registration**

7:30-8:20 SUNRISE SESSION III-A
Body imaging

ROOM:
MICHELANGELO

Moderator: Teresa Victoria (Philadelphia, USA)

7:30-7:55 **How to optimize MRI for appendicitis**
Shailee V. Lala (New York, USA)

7:55-8:20 **MRI and ultrasound of the pelvic floor in anorectal malformation**
Jeanne (Mei Mei) Chow (Boston, USA)

7:30-8:20 SUNRISE SESSION III-B
MRI

ROOM:
TIZIANO 2

Moderator: Daniel Gräfe (Leipzig, Germany)

7:30-7:55 **Real-time MRI in children: what does it mean?**
Daniel Gräfe (Leipzig, Germany)

7:55-8:20 **Whole body MRI - technique optimization**
Paul Humphries (London, UK)

7:30-8:20 SUNRISE SESSION III-C
Chest

ROOM:
TIZIANO 1

Moderator: Robert Paul Guillerma (Houston, USA)

7:30-7:55 **Lung MRI: current practical techniques and how to optimize it**
Edward Y. Lee (Boston, USA)

7:55-8:20 **Functional MR imaging of the lung**
Jens Vogel-Claussen (Hannover, Germany)

8:30-10:00 CATEGORICAL COURSE IX-A
Imaging strategies: the essentials

ROOM:
TIZIANO 2

Moderator: ESPR/SPR

8:30-8:52 **For the patient: child life and patient preparation**
Murat Oztek (Seattle, WA)

8:52-9:14 **For the patient: the latest in sedation/sedatives techniques**
Andrea Wolfler (Genoa, Italy)

9:14-9:36 **For the patient: CT and MRI techniques: faster is better**
Camillo Jaimes (Boston, USA)

9:36-9:58 **Challenging children: how to prepare (cases, strategies)**
Sobia Mirza (Washington, DC, USA)



Friday, October 15, 2021

8:30-10:00 CATEGORICAL COURSE IX-B Imaging strategies: tips for specialists ROOM: CARAVAGGIO

Moderator: Owen Arthurs (London, UK)

8:30-8:52 **For the radiologist: ergonomics and screen management**

Raymond Wang Sze (Philadelphia, USA)

8:52-9:14 **For the radiologist: preventing and managing burnout**

Erin Simon Schwartz (Philadelphia, USA)

9:14-9:36 **For the radiologist: AI ready for prime time**

Sanjay Prabhu (Boston, USA)

9:36-9:58 **For the radiologist: children centered care: beyond the waiting room**

Ib Erik Jensen (Odense, Denmark)

10:00-10:30 Break

10:30-11:55 SCIENTIFIC SESSION VI-A JUNIOR IPR SESSION ROOM: MICHELANGELO How to build an academic career in pediatric radiology

Moderator: Laura Fenton (Aurora, USA)

10:30-10:45 **Tips to do your first research project**

Owen Arthurs (London, UK)

10:45-11:00 **Tips to write your first manuscript**

Peter Strouse (Ann Arbor, USA)

11:00-11:15 **Fellowships available in Europe**

Julian Jürgens (Hamburg, Germany)

11:15-11:30 **Fellowships available in USA**

Laura Fenton (Aurora, USA)

11:30-11:45 **Fellowships available in Canada**

Oscar Navarro (Toronto, Canada)

11:45-11:55 **ESOR-ESPR exchange program for paediatric radiology fellowships**

Greg Chambers (Leeds, UK)



Friday, October 15, 2021

10:30-11:55 SCIENTIFIC SESSION VI-B

GASTROINTESTINAL

Quantitative imaging of the bowel: peristalsing to the future

**ROOM:
TIZIANO 2**

Moderator: Hansel Otero (Philadelphia, USA)

10:30-10:45 State of the art

Tom Watson (London, UK)

10:45-11:40 SCIENTIFIC PAPERS

10:45-10:53 2D SHEAR WAVE ELASTOGRAPHY IN STRICTURING CROHN'S DISEASE: CORRELATION WITH HISTOLOGY AND CONVENTIONAL US FINDINGS

Nadeen Abu Ata, Jonathan R. Dillman ^(1,2), Jonathan M. Rubin ⁽³⁾,
Laura A. Johnson ⁽⁴⁾, Margaret Collins ^(2,5), Lee A. Denson ^(2,6),
Peter D. Higgins ⁽⁴⁾

⁽¹⁾ Cincinnati Children's Hospital Medical Center - Department of Radiology, Cincinnati (USA), ⁽²⁾ University of Cincinnati - College of Medicine, Cincinnati (USA), ⁽³⁾ University of Michigan - Department of Radiology, Michigan (USA), ⁽⁴⁾ University of Michigan - Division of Gastroenterology and Hepatology, Michigan (USA), ⁽⁵⁾ Cincinnati Children's Hospital Medical Center - Division of Pathology, Cincinnati (USA), ⁽⁶⁾ Cincinnati Children's Hospital Medical Center - Division of Gastroenterology and Hepatology, Cincinnati (USA)

10:53-11:01 EFFECT OF BIOLOGIC THERAPY ON MESENTERIC BLOOD FLOW USING VELOCITY-ENCODED PHASE CONTRAST MRI IN NEWLY DIAGNOSED SMALL BOWEL CROHN'S DISEASE

Nadeen Abu Ata, Jonathan R. Dillman ^(1,2), Jean A. Tkach ^(1,2), Deep B. Ghandi, Lee A. Denson ^(2,3)

⁽¹⁾ Cincinnati Children's Hospital Medical Center - Department of Radiology, Cincinnati (USA), ⁽²⁾ University of Cincinnati - College of Medicine, Cincinnati (USA), ⁽³⁾ Cincinnati Children's Hospital Medical Center - Division of Gastroenterology, Hepatology and Nutrition, Cincinnati (USA)

11:01-11:09 DISTINGUISHING TERMINAL ILEITIS FROM LYMPHOID NODULAR HYPERPLASIA IN PEDIATRIC CROHN DISEASE - DOES USE OF STANDARDIZED NOMENCLATURE HELP WHEN REPORTING MRE?

Abdullah Alshabanat ⁽¹⁾, Ghufuran Alhashmi ⁽²⁾, Denise Castro ⁽³⁾, Joseph Yang ⁽³⁾, Catharine Walsh ⁽⁴⁾, Afsaneh Amirabadi ⁽⁵⁾, Oscar Navarro ⁽⁴⁾, Juan Putra ⁽⁴⁾, Iram Siqqiqi ⁽⁴⁾, Mary-Louise Greer ⁽⁴⁾

⁽¹⁾ King Faisal Specialist Hospital and Research Center, Riyadh (SAUDI ARABIA), ⁽²⁾ King AbdulAziz University Hospital, Jeddah (SAUDI ARABIA), ⁽³⁾ Kingston Health Sciences Centre/Queen's University, Kingston (CANADA), ⁽⁴⁾ The Hospital for Sick Children/University of Toronto, Toronto (CANADA), ⁽⁵⁾ The Hospital for Sick Children, Toronto (CANADA)

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Friday, October 15, 2021

- 11:09-11:17 **EXPERIENCE WITH PEDIATRIC APPENDICITIS DURING THE COVID-19 PANDEMIC AT A REFERRAL PEDIATRIC HOSPITAL**
Andrew Sher, Paul Guillerman, Victor Seghers, Rida Salman, Ananth Annapragada, Marla Sammer
Texas Children's Hospital, Baylor College of Medicine, Houston (USA)
- 11:17-11:25 **RADIOGRAPHIC ASSESSMENT OF TRACTION-INDUCED ESOPHAGEAL GROWTH PATTERNS AND TRACTION-RELATED COMPLICATIONS OF THE FOKER PROCESS FOR THE TREATMENT OF LONG GAP ESOPHAGEAL ATRESIA IN CHILDREN.**
Alexandra Foust ⁽¹⁾, Benjamin Zendejas-Mummert ⁽²⁾, Somala Mohammed ⁽²⁾, Jay Meisner ⁽²⁾, Thomas Hamilton ⁽²⁾, David Zurakowski ⁽³⁾, Steven Staffa ⁽⁴⁾, Russell Jennings ⁽²⁾, Michael Callahan ⁽¹⁾
⁽¹⁾ *Boston Children's Hospital: Department of Radiology, Boston (USA)*, ⁽²⁾ *Boston Children's Hospital: Department of Surgery, Boston (USA)*, ⁽³⁾ *Boston Children's Hospital: Department of Orthopedics, Boston (USA)*, ⁽⁴⁾ *Boston Children's Hospital: Department of Anesthesia Research, Boston (USA)*
- 11:25-11:33 **ACNES – A COMMONLY OVERLOOKED CAUSE OF CHRONIC ABDOMINAL PAIN IN CHILDREN. PRELIMINARY RESULTS.**
Sven Weum ⁽¹⁾, Thomas Augdal ⁽¹⁾, Niklas Stabell ⁽²⁾, Lene Nymo Trulsen ⁽²⁾, Thorsten Köhler ⁽¹⁾, Karen Rosendahl ⁽¹⁾
⁽¹⁾ *University Hospital of North Norway, Dept. of Radiology, Tromsø (NORWAY)*, ⁽²⁾ *University Hospital of North Norway, Dept. of Pediatrics, Tromsø (NORWAY)*
- 11:40-11:55 **New directions for understanding bowel physiology**
Ethan Smith (Cincinnati, USA)



Friday, October 15, 2021

10:30-11:55	SCIENTIFIC SESSION VI-C: MUSCULOSKELETAL - New developments in MSK imaging	ROOM: TIZIANO 1
	<i>Moderator: Karen Rosendahl (Tromsø, Norway)</i>	
10:30-10:45	Fast and accurate: the new challenge in pediatric MSK imaging <i>Karen Rosendahl (Tromsø, Norway)</i>	
10:45-11:40	SCIENTIFIC PAPERS	
10:45-10:53	RATE AND SEVERITY OF PHYSICAL ABUSE IN HOSPITALISED CHILDREN DURING THE FIRST UK WIDE COVID-19 ENFORCED NATIONAL LOCKDOWN <i>Michael Paddock, Amaka C Offiah ^(2,3), Helen Cliffe ⁽⁷⁾, Daniel JA Connolly ⁽³⁾, Robert Dineen ⁽⁸⁾, Rachel Dixon ⁽⁹⁾, Harriet Edwards ⁽¹⁰⁾, Emily Evans ⁽¹¹⁾, Kath Halliday ⁽⁸⁾, Kandise Jackson ⁽¹²⁾, Caren Landes ⁽¹⁰⁾, Adam Oates ⁽¹¹⁾, Neil Stoodley ⁽¹³⁾, Stavros Stivaros ^(4,5,6)</i> <i>⁽¹⁾ Barnsley Hospital NHS Foundation Trust, Barnsley (UNITED KINGDOM), ⁽²⁾ Academic Unit of Child Health, University of Sheffield, Sheffield (UNITED KINGDOM), ⁽³⁾ Sheffield Children's NHS Foundation Trust, Sheffield (UNITED KINGDOM), ⁽⁴⁾ Academic Unit of Paediatric Radiology, Royal Manchester Children's Hospital, Manchester (UNITED KINGDOM), ⁽⁵⁾ Division of Informatics, Imaging, and Data Sciences, School of Health Sciences, Faculty of Biology, Medicine, and Health, Manchester (UNITED KINGDOM), ⁽⁶⁾ The Geoffrey Jefferson Brain Research Centre, University of Manchester, Manchester Academic Health Science Centre, Manchester (UNITED KINGDOM), ⁽⁷⁾ Leeds Teaching Hospitals NHS Trust, Leeds (UNITED KINGDOM), ⁽⁸⁾ Nottingham University NHS Foundation Trust, Nottingham (UNITED KINGDOM), ⁽⁹⁾ Manchester University NHS Foundation Trust, Manchester (UNITED KINGDOM), ⁽¹⁰⁾ Alder Hey Children's NHS Foundation Trust, Liverpool (UNITED KINGDOM), ⁽¹¹⁾ Birmingham Womens and Children's NHS Foundation Trust, Birmingham (UNITED KINGDOM), ⁽¹²⁾ Pennine Acute Hospitals NHS Trust, Oldham (UNITED KINGDOM), ⁽¹³⁾ North Bristol NHS Trust, Bristol (UNITED KINGDOM)</i>	
10:53-11:01	THE IMPACT OF COVID-19 ON NON-ACCIDENTAL INJURY IN AN IRISH TERTIARY REFERRAL CENTRE <i>Caoimhe McDonnell ⁽¹⁾, Angela Byrne ⁽²⁾</i> <i>⁽¹⁾ St James Hospital, Department of Diagnostic Imaging, Dublin (IRELAND), ⁽²⁾ Children's Health Ireland at Crumlin, Department of Radiology, Dublin (IRELAND)</i>	



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- 11:01-11:09 **FATAL NON-ACCIDENTAL INJURY IN SOUTH AFRICA: A GAUTENG HOSPITAL'S PERSPECTIVE ON THE INCIDENCE AND FRACTURE TYPES ON POST-MORTEM SKELETAL SURVEYS**
Robyn Meryl Wessels ⁽²⁾, Halvani Moodley ^(1,2)
⁽¹⁾ Charlotte Maxeke Johannesburg Academic Hospital, Johannesburg (SOUTH AFRICA), ⁽²⁾ University of the Witwatersrand, Johannesburg (SOUTH AFRICA)
- 11:09-11:17 **SKELETAL SURVEY IN SUSPECTED CHILD ABUSE – THE GERMAN WAY**
Mark Born
University of Bonn, Department of Radiology, Bonn (GERMANY)
- 11:17-11:25 **VALIDATION OF DIFFUSION TENSOR IMAGING OF THE PHYSIS AND METAPHYSIS AS PREDICTOR OF CHILD GROWTH**
Diego Jaramillo ⁽¹⁾, Phuong Dong ⁽¹⁾, Jie Chen Nguyen ⁽²⁾, Sogol Mostoufi-Moab ⁽²⁾, Michael Nguyen ⁽²⁾, Andrew Moreau ⁽²⁾, Christian Barrera ⁽³⁾, Shijie Hong ⁽²⁾, Jose Raya ⁽⁴⁾
⁽¹⁾ Columbia University Medical Center, New York (USA), ⁽²⁾ Children's Hospital of Philadelphia, Philadelphia (USA), ⁽³⁾ Massachusetts General Hospital, Boston (USA), ⁽⁴⁾ New York University Medical Center, New York (USA)
- 11:25-11:33 **MR IMAGING OF PRIMARY LYMPHOMA OF BONE IN CHILDREN AND YOUNG ADULTS**
Patrick Duffy ⁽¹⁾, Kirsten Ecklund ⁽²⁾
⁽¹⁾ Boston Children's Hospital, Boston (USA), ⁽²⁾ Boston Children's Hospital, Boston (USA)
- 11:40-11:55 **The future of qualitative and quantitative musculoskeletal imaging in children**
Maria Beatrice Damasio (Genoa, Italy)



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10:30-11:55	SCIENTIFIC SESSION VI-D: FETAL IMAGING - New steps in imaging the fetus	ROOM: CARAVAGGIO
	Moderator: Catherine Garel (Paris, France)	
10:30-10:45	What have we done so far to image the fetus? Catherine Garel (Paris, France)	
10:45-11:40	SCIENTIFIC PAPERS	
10:45-10:53	CHARACTERIZATION OF RETROPLACENTAL CLEAR SPACE IN A MURINE MODEL OF PLACENTA ACCRETA SPECTRUM (PAS) USING CONTRAST-ENHANCED MRI Andrew Badachhape ⁽¹⁾ , Laxman Devkota ⁽²⁾ , Prajwal Bhandari ⁽¹⁾ , Mayank Srivastava ⁽³⁾ , Poonam Sarkar ⁽²⁾ , Verghese George ⁽¹⁾ , Eric Tanifum ⁽³⁾ , Karin Fox ⁽⁴⁾ , Ketan Ghaghada ⁽³⁾ , Chandrasekhar Yallampalli ⁽⁴⁾ , Ananth Annapragada ⁽³⁾ ⁽¹⁾ Baylor College of Medicine - Department of Radiology, Houston (USA), ⁽²⁾ Baylor College of Medicine - Department of Pediatrics-Oncology, Houston (USA), ⁽³⁾ Texas Children's Hospital - The Singleton Department of Pediatric Radiology, Houston (USA), ⁽⁴⁾ Texas Children's Hospital - Department of Obstetrics and Gynecology, Houston (USA)	
10:53-11:01	PLACENTAL SURFACE HETEROGENEITY IN FETAL GROWTH RESTRICTION USING DIFFUSION WEIGHTED IMAGING: A FETAL MRI PILOT STUDY Meyers Mariana, David Mirsky (1,2,3), Camille Driver ^(1,4) , John Hobbins ^(1,4) , Erin Englund ^(1,2,3) ⁽¹⁾ Children's Hospital colorado, Aurora (USA), ⁽²⁾ University of Colorado School of Medicine, Aurora (USA), ⁽³⁾ Department of Radiology, Aurora (USA), ⁽⁴⁾ Department of Obstetrics and Gynecology, Aurora (USA)	
11:01-11:09	PLACENTAL VOLUME IN PREGNANT WOMEN WITH OPIOID USE: PRENATAL MRI ASSESSMENT Rachel Wise ⁽¹⁾ , Brandon Brown ⁽¹⁾ , David Haas ⁽²⁾ , Christina Sparks ⁽³⁾ , Senthilkumar Sadhasivam ⁽³⁾ , Rupa Radhakrishnan ⁽¹⁾ ⁽¹⁾ Indiana University School of Medicine Department of Radiology & Imaging Sciences, Indianapolis (USA), ⁽²⁾ Indiana University School of Medicine Department of Obstetrics & Gynecology, Indianapolis (USA), ⁽³⁾ Indiana University School of Medicine Department of Anesthesia, Indianapolis (USA)	



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- 11:09-11:17 **OUR INITIAL EXPERIENCE WITH A DEEP LEARNING RECONSTRUCTION ALGORITHM IN FETAL MRI**
Jane Lyon ⁽¹⁾, Kara Gill ⁽¹⁾, Susan Rebsamen ⁽¹⁾, R. Marc Lebel ⁽²⁾, Ty A. Cashen ⁽³⁾
⁽¹⁾ University of Wisconsin School of Medicine and Public Health, Department of Radiology, Madison, WI (USA), ⁽²⁾ GE Healthcare, MR Applications and Workflow, Calgary (CANADA), ⁽³⁾ GE Healthcare, Magnetic Resonance, Madison, WI (USA)
- 11:17-11:25 **VIRTUAL AUTOPSY OF THE BRAIN USING POST-MORTEM MRI: IS IT HELPFUL?**
Neetika Gupta, Claudia Martinez-Rios, Elka Miller, Dina El Demellawy, Nick Barrowman
CHEO, University of Ottawa, Ottawa (CANADA)
- 11:25-11:33 **OPTIMISATION OF HUMAN POST-MORTEM MICRO-CT SERVICE - IODINATION AND IMAGE QUALITY PREDICTORS**
Ian Simcock, Susan Shelmerdine, Dean Langan, Neil Sebire, Owen Arthurs
Great Ormond Street Hospital for Children and UCL/Institute of Child Health Biomedical Research Centre, London (UNITED KINGDOM)
- 11:40-11:55 **The future in imaging the conceptus: new coils, sequences, and all the new bells and whistles**
Lawrence Wald (Boston, USA)

12:00-13.30 ESPR General Assembly

13:00-14:00 Lunch



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14:10-15:30	SCIENTIFIC SESSION VII-A: INTERVENTIONAL RADIOLOGY Pediatric endovascular therapy	ROOM: MICHELANGELO
	Moderator: Jim Donaldson (Chicago, USA)	
14:10-14:25	Endovascular interventions in Children Jim Donaldson (Chicago, USA)	
14:25-15:15	SCIENTIFIC PAPERS	
14:25-14:32	MINIMALLY INVASIVE INTERVENTIONS UNDER ULTRASOUND NAVIGATION FOR ABDOMINAL ABSCESES TREATMENT IN CHILDREN Akif Yusuf, Alexey Plyukhin Tver State Medical University, Tver (RUSSIAN FEDERATION)	
14:32-14:39	IMAGING FEATURES OF SURGICAL AND PERCUTANEOUS CHOLECYSTOCHOLANGIOGRAPHY FOR SUSPECTED BILIARY ATRESIA Abhay Srinivasan ⁽¹⁾ , Naif Alsaikhan ⁽¹⁾ , Michael Acord ⁽¹⁾ , Ganesh Krishnamurthy ⁽¹⁾ , Fernando Escobar ⁽¹⁾ , Seth Vatsky ⁽¹⁾ , Marian Gaballah ⁽¹⁾ , Fikadu Worede ⁽¹⁾ , Richard Bellah ⁽¹⁾ , Elizabeth Rand ⁽²⁾ , Anne Marie Cahill ⁽¹⁾ ⁽¹⁾ The Children's Hospital of Philadelphia - Department of Radiology, Philadelphia (USA), ⁽²⁾ The Children's Hospital of Philadelphia - Dept. of Gastroenterology, Hepatology, and Nutrition, Philadelphia (USA)	
14:39-14:46	PERCUTANEOUS MANAGEMENT OF BENIGN BILIARY STRICTURES AFTER LIVER TRANSPLANTATION IN PEDIATRIC PATIENTS: A SINGLE-CENTER EXPERIENCE Ludovico Dulcetta ⁽¹⁾ , Paolo Marra ⁽²⁾ , Francesco Saveri Carbone ⁽¹⁾ , Claudio Sallemi ⁽²⁾ , Pietro Andrea Bonaffini ^(1,2) , Sandro Sironi ^(1,2) ⁽¹⁾ University of Milano-Bicocca, Monza (MB) (ITALY), ⁽²⁾ ASST Papa Giovanni XXIII Bergamo Hospital - Department of Radiology, Bergamo (BG) (ITALY)	
14:46-14:53	DIFFICULT CENTRAL VENOUS PORT REMOVAL IN CHILDREN; ANALYSIS OF RISK FACTORS. Fikadu Worede Worede, Alireza Zandifar, Michael Acord, Srinivasan Abhay, Seth Vatsky, Fernando Escobar, Ganesh Krishnamurthy, Anne Marie Cahill Children's Hospital of Philadelphia, Philadelphia (USA)	
14:53-15:00	AN EMPIRICAL MODEL FOR COMPARING RADIATION DOSE IN PEDIATRIC PATIENTS UNDERGOING INTERVENTIONAL RADIOLOGY PROCEDURES UNDER C-ARM CONE BEAM CT VERSUS CONVENTIONAL CT Samuel Brady ^(1,2) , Nicole Hilvert, John Racadio ^(1,2) ⁽¹⁾ Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio (USA), ⁽²⁾ University of Cincinnati College of Medicine, Cincinnati, Ohio (USA)	



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15:00-15:07 **THE PEDIATRIC INTERVENTIONAL RADIOLOGY EXPERIENCE: PERSPECTIVE OF PATIENT FAMILIES**
Maria Velez-Florez, Tigist Hailu, Abigail Ginader, Nicole Bodo, Alyssa Sze, William Corder, Lynn Thompson, Fernando Escobar, Dorene Balmer, Raymond Sze
Children's Hospital of Philadelphia, Philadelphia, PA (USA)

15:15-15:30 **New ideas for vascular repair: where are we going to?**
Timo Krings (Toronto, Canada)

14:10-15:30 SCIENTIFIC SESSION VII-B: GASTROINTESTINAL - It is not just about the heart: GI pathology in children with congenital cardiovascular disease

**ROOM:
TIZIANO 2**

Moderator: ESPR/SPR

14:10-14:25 **State of the art**
Charlotte De Lange ((Gothenburg, Sweden)

14:25-15:15 SCIENTIFIC PAPERS

14:25-14:32 **ASSESSMENT OF HEPATIC ARTERY ANATOMY IN PEDIATRIC LIVER TRANSPLANT RECIPIENTS: MR ANGIOGRAPHY VERSUS CT ANGIOGRAPHY.**
Martijn Verhagen ⁽¹⁾, Riksta Dijkers ⁽¹⁾, Ruben de Kleine ⁽²⁾, Thomas Kwee ⁽¹⁾, Hubert van der Doef ⁽³⁾, Robbert de Haas ⁽¹⁾
⁽¹⁾ UMCG, department of radiology, Groningen (THE NETHERLANDS), ⁽²⁾ UMCG, department of hepatobiliary surgery, Groningen (THE NETHERLANDS), ⁽³⁾ UMCG, department of pediatric gastroenterology, Groningen (THE NETHERLANDS)

14:32-14:39 **ABDOMINAL ULTRASOUND FINDINGS IN PAEDIATRIC INFLAMMATORY MULTISYSTEM SYNDROME TEMPORALLY ASSOCIATED WITH COVID-19 (PIMS-TS).**
Saigeet Eleti, Myriam Guessoum, Riwa Meshaka, Fern Whittam, Tom Watson
Department of Paediatric Radiology - Great Ormond Street Hospital, London (UNITED KINGDOM)

14:39-14:46 **SPECTRUM OF IMAGING FINDINGS IN PAEDIATRIC MULTISYSTEM INFLAMMATORY SYNDROME – TEMPORALLY ASSOCIATED WITH SARS-COV-2 (PIMS-TS)**
Shema Hameed ⁽¹⁾, Heba Elbaaly ⁽¹⁾, Catriona Reid ⁽¹⁾, Rui Santos ⁽¹⁾, Vinay Shivamurthy ⁽²⁾, James Wong ⁽³⁾, Haran Jogeessvaran ⁽¹⁾
⁽¹⁾ Department of children's imaging, Evelina London children's hospital, London (UNITED KINGDOM), ⁽²⁾ Department of paediatric rheumatology, Evelina London children's hospital, London (UNITED KINGDOM), ⁽³⁾ Department of paediatric cardiology, Evelina London children's hospital, London (UNITED KINGDOM)

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- 14:46-14:53 **SPONTANEOUS EVOLUTION PATTERNS OF FOCAL CONGENITAL HEPATIC HEMANGIOMAS: A CASE SERIES OF 25 PATIENTS**
Caroline Rutten ⁽¹⁾, Delphine Ladarre ⁽²⁾, Stéphanie Franchi-Abella ⁽¹⁾
⁽¹⁾ Department of Pediatric Radiology, Hôpital Bicêtre, Kremlin-Bicêtre (FRANCE), ⁽²⁾ Department of Pediatric Hepatology, Hôpital Bicêtre, Kremlin-Bicêtre (FRANCE)
- 14:53-15:00 **IMAGE QUALITY ASSESSMENT OF PEDIATRIC CHEST AND ABDOMEN CT BY DEEP LEARNING AND ITERATIVE IMAGING RECONSTRUCTION**
Haesung Yoon, Hyun Ji Lim, Jisoo Kim, Mi-Jung Lee
Severance Hospital. Department of Radiology, Seoul (SOUTH KOREA)
- 15:00-15:07 **SHEAR WAVE ELASTOGRAPHY EVALUATION OF LIVER, PANCREAS, SPLEEN, AND KIDNEYS IN PATIENTS WITH FMF AND AMYLOIDOSIS**
Zuhal Bayramoglu ⁽¹⁾, Zeynep Nur Akyol Sari ⁽¹⁾, Oya Koker ⁽²⁾, Ibrahim Adaletli ⁽¹⁾, Rukiye Eker Omeroglu ⁽²⁾
⁽¹⁾ Istanbul University, Istanbul Medical Faculty, Pediatric Radiology Department, Istanbul (TURKEY), ⁽²⁾ Istanbul University, Istanbul Medical Faculty, Pediatric Rheumatology Department, Istanbul (TURKEY)
- 15:15-15:30 **The fontan liver: what do all those nodules mean?**
Geetika Khanna (St. Louis, USA)

**14:10-15:30 SCIENTIFIC SESSION VII-C:
MUSCULOSKELETAL IMAGING
Emerging quantitative MR imaging biomarkers
in inflammatory arthritis**

**ROOM:
TIZIANO 1**

Moderator: Ola Kvist (Stockholm, Sweden)

- 14:10-14:25 **Quantitative imaging of juvenile inflammatory arthritis: where we stand**
Nancy Chauvin (Philadelphia, USA)

14:25-15:15 SCIENTIFIC PAPERS

- 14:25-14:32 **MRI FINDINGS OF PROLIFERATIVE AND INFLAMMATORY SYNOVITIS IN THE KNEE IN CHILDREN: ARE THERE QUALITATIVE AND SEMI-QUANTITATIVE DIFFERENCES?**
Jie C. Nguyen ^(1,2), Alyssa Sze, Andressa Guariento Alves, Michael K. Nguyen, Alexandre Arkader ^(1,2), David M. Biko ^(1,2)
⁽¹⁾ Department of Radiology, Children's Hospital of Philadelphia, Philadelphia (USA), ⁽²⁾ University of Pennsylvania School of Medicine, Philadelphia, Philadelphia (USA), ⁽³⁾ Division of Orthopedic Surgery, Children's Hospital of Philadelphia, Philadelphia (USA)



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- 14:32-14:39 **A SEMIQUANTITATIVE COLOR DOPPLER ULTRASOUND SCORING SYSTEM FOR EVALUATION OF SYNOVITIS IN JOINTS OF PATIENTS WITH BLOOD-INDUCED ARTHROPATHY**
 Ningning Zhang ⁽¹⁾, Sheng Yang ⁽²⁾, Anne-Fleur Zwagemaker ⁽³⁾, Aihua Huo ⁽¹⁾, Ying-Jia Li ⁽⁴⁾, Fang Zhou ⁽⁴⁾, Pamela Hilliard ⁽⁵⁾, Sandra Squire ⁽⁶⁾, Vanessa Bouskill ⁽⁷⁾, Arun Mohanta ⁽⁸⁾, Alex Zhou ⁽⁸⁾, Jose Jarrin ⁽⁸⁾, Runhui Wu ⁽⁹⁾, Jing Sun ⁽¹⁰⁾, Brian Luke ⁽¹¹⁾, Rahim Moineddin ⁽¹²⁾, Carina Man ⁽⁸⁾, Victor Blanchette ⁽⁷⁾, Yun Peng ⁽¹⁾, Andrea Doria ⁽⁸⁾
⁽¹⁾ Beijing Children's Hospital - Department of Radiology, Toronto (CHINA),
⁽²⁾ Chengdu Women's and Children's Central Hospital - Department of Ultrasound, Sichuan (CHINA), ⁽³⁾ Amsterdam UMC - Department of Pediatric Hematology, Amsterdam (NETHERLANDS), ⁽⁴⁾ Nanfang Hospital - Department of Radiology, Guangzhou (CHINA), ⁽⁵⁾ The Hospital for Sick Children - Rehabilitation Service, Toronto (CANADA), ⁽⁶⁾ St Paul Hospital, Providence Health Care -Service of Physiotherapy, Vancouver (CANADA), ⁽⁷⁾ The Hospital for Sick Children - Hematology/Oncology, Toronto (CANADA), ⁽⁸⁾ The Hospital for Sick Children - Diagnostic Imaging, Toronto (CANADA), ⁽⁹⁾ Beijing Children's Hospital - Hematology/Oncology Center, Beijing (CHINA), ⁽¹⁰⁾ Nanfang Hospital - Department of Hematology, Guangzhou (CHINA), ⁽¹¹⁾ Children's Hospital of Eastern Ontario -Division of Haematology & Transfusion Medicine, Ottawa (CANADA), ⁽¹²⁾ University of Toronto-Division of Family & Community Medicine, Toronto (CANADA)
- 14:39-14:46 **INTRA ARTICULAR INJECTIONS WITH PLATELET RICH PLASMA IN PATIENTS WITH JUVENILE OSTEOCHONDritis DISSECANS OF THE KNEE: DOES IT HELP? A CLINICAL AND MR STUDY.**
 Michael Fadell ^(1,2), David Howell ^(3,4), Jill Stein ^(3,4), Matthew Monson ^(3,4), Kari Hayes ^(3,4), Katherine Dahab ^(3,4)
⁽¹⁾ Lucille Packard Children's Hospital, Palo alto (USA), ⁽²⁾ Stanford University, Palo Alto (USA), ⁽³⁾ Children's Hospital Colorado, Aurora (USA), ⁽⁴⁾ University of Colorado, Aurora (USA)
- 14:46-14:53 **NORMAL SONOGRAPHIC APPEARANCE AND PITFALLS IN PEDIATRIC FINGER JOINTS**
 Jesse Sandberg, Max Zalcmán, Sarah Harris, Erika Rubesova
 Lucile Packard Children's Hospital, Department of Pediatric Radiology, Stanford University, Stanford (USA)



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- 14:53-15:00 **A CROSS SECTIONAL MAGNETIC RESONANCE IMAGING STUDY OF FACTORS INFLUENCING GROWTH PLATE CLOSURE IN ADOLESCENTS AND YOUNG ADULTS**
Ola Kvist ⁽¹⁾, Ana Luiza Dallora ⁽²⁾, Ola Nilsson ^(1,3), Peter Anderberg ^(2,4), Johan Sanmartin Berglund ⁽²⁾, Carl-Johan Flodmark ⁽⁵⁾, Sandra Diaz ^(1,6)
⁽¹⁾ Karolinska Institute, Department of Womens and Children's Health, Stockholm (SWEDEN), ⁽²⁾ Blekinge Institute of Technology, Department of Health, Karlskrona (SWEDEN), ⁽³⁾ Örebro University, School of Medical Science, Örebro (SWEDEN), ⁽⁴⁾ Skövde University, Department of Health, Skövde (SWEDEN), ⁽⁵⁾ Lunds University, Department of Clinical Science, Lund (SWEDEN), ⁽⁶⁾ Lunds University, Department of Radiology, Lund (SWEDEN)
- 15:00-15:07 **DISRUPTION OF THE ZONE OF PROVISIONAL CALCIFICATION: AN MRI INDICATOR OF PHYSEAL STRESS INJURY OF THE PEDIATRIC KNEE**
Maria Alejandra Bedoya ⁽¹⁾, Diego Jaramillo ⁽²⁾, Tal Laor ⁽¹⁾
⁽¹⁾ Boston Children's Hospital, Harvard Medical School, Boston (USA), ⁽²⁾ Morgan Stanley Children's Hospital, Columbia University, New York (USA)
- 15:15-15:30 **MRI imaging of biomarkers: the future of diagnosis and targeted treatment in JIA**
Ola Kvist (Stockholm, Sweden)

14:10-15:30 SCIENTIFIC SESSION VII-D:

FETAL IMAGING - From fetal to postnatal, pushing the edge of lethality: diagnosis we know, diagnosis we don't

**ROOM:
CARAVAGGIO**

Moderator: Brandon Brown (Indianapolis, USA)

- 14:10-14:25 **Tricks and troubleshooting to reach the correct diagnosis**
Andrea Righini (Milan, Italy)

14:25-15:15 SCIENTIFIC PAPERS

- 14:25-14:32 **TWO-YEAR NEURODEVELOPMENTAL OUTCOMES OF HEALTHY FETUSES SCANNED AT 3 TESLA**
Fedel Machado Rivas ⁽¹⁾, Anjali Sadhwani ⁽²⁾, Julia Rohde ⁽³⁾, Caitlin K. Rollins ⁽⁴⁾, Camilo Jaimes ⁽¹⁾
⁽¹⁾ Boston Children's Hospital - Department of Radiology, Boston (USA), ⁽²⁾ Boston Children's Hospital - Department of Psychiatry, Boston (USA), ⁽³⁾ Boston Children's Hospital - Department of Developmental Medicine, Boston (USA), ⁽⁴⁾ Boston Children's Hospital - Department of Neurology, Boston (USA)



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- 14:32-14:39 **DIFFERENT PATTERNS OF VENTRICULAR DELINEATION IN SPINAL DYSRAPHISM BEFORE AND AFTER SURGERY.**
Frederic Guffens ⁽¹⁾, M. Ebner ^(2,3), L. Fidon ⁽²⁾, J. Deprest ^(4,5), P. Demaerel ⁽¹⁾, T. Vercauteren ^(2,3), L. De Catte ⁽⁵⁾, S. Dymarkowski ⁽¹⁾, M. Aertsen ⁽¹⁾
⁽¹⁾ Department of Radiology, University Hospitals Leuven, Herestraat 49, 3000 Leuven, Belgium, Leuven (BELGIUM), ⁽²⁾ School of Biomedical Engineering & Imaging Sciences (BMEIS), Kings College London, UK, London (UNITED KINGDOM), ⁽³⁾ Medical Physics and Biomedical Engineering, University College London, UK, London (UNITED KINGDOM), ⁽⁴⁾ Elizabeth Garrett Anderson Institute for Womens Health, University College London, UK, London (UNITED KINGDOM), ⁽⁵⁾ Department of Obstetrics and Gynaecology, University Hospitals and cluster Women and Child, Dept. Development and Rege, Leuven (BELGIUM)
- 14:39-14:46 **CHANGES IN HINDBRAIN HERNIATION ON FETAL MRI PRIOR TO AND FOLLOWING PRENATAL REPAIR OF OPEN SPINAL DYSRAPHISM**
Saad Ranginwala, Robin Bowman, Federico Scorletti, Aimen Shaaban Ann and Robert H. Lurie's Children's Hospital of Chicago, Chicago (USA)
- 14:46-14:53 **EVALUATION OF POSTERIOR FOSSA BIOMETRIC MEASUREMENTS ON FETAL MRI IN THE EVALUATION OF "DANDY-WALKER CONTINUUM"**
Usha Nagaraj, Beth Kline-Fath, Paul Horn, Charu Venkatesan
⁽¹⁾ Cincinnati Children's Hospital Medical Center, Cincinnati (USA),
⁽²⁾ University of Cincinnati College of Medicine, Cincinnati (USA)
- 14:53-15:00 **SUPER RESOLUTION MR IMAGE RECONSTRUCTION IMPROVES IMAGE QUALITY AND DIAGNOSTIC CONFIDENCE IN FETUSES WITH BRAIN MALFORMATION**
Dianna Bardo, Nicholas Rubert, Patricia Cornejo, Jennifer Vaughn, Luis Goncalves
Phoenix Children's Hospital, Phoenix (USA)
- 15:00-15:07 **WHAT IMAGING FEATURES DIFFERENTIATE LETHAL FROM NON-LETHAL PERINATALLY DIAGNOSED OSTEOGENESIS IMPERFECTA? A SYSTEMATIC REVIEW WITH NARRATIVE SYNTHESIS**
Mohamed Hassan Mahmoud ⁽¹⁾, Mohamed Hassan Mahmoud ⁽⁵⁾, Ciara McDonnell ⁽²⁾, Ciara McDonnell ⁽³⁾, Amaka C. Offiah ⁽⁴⁾, Amaka C. Offiah ⁽⁵⁾
⁽¹⁾ Radiology Department, Ismailia (EGYPT), ⁽²⁾ Children's Health Ireland, Temple St & Tallaght, Dublin (IRELAND), ⁽³⁾ Trinity Research in Childhood Centre (TRICC), Paediatrics, Trinity College, The University of Dublin, Dublin (IRELAND), ⁽⁴⁾ Department of Oncology & Metabolism, University of Sheffield, Sheffield (UNITED KINGDOM), ⁽⁵⁾ Department of Radiology, Sheffield Children's NHS Foundation Trust, Sheffield (UNITED KINGDOM)
- 15:15-15:30 **What can we now diagnose that we didn't know before?**
Teresa Victoria (Philadelphia, USA)



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15:30-16:00 *Break*

16:00-17:20 **SCIENTIFIC SESSION VIII-A:**

INTERVENTIONAL RADIOLOGY

Interventional oncology for local delivery of therapies

**ROOM:
MICHELANGELO**

Moderator: ESPR/SPR

16:00-16:15 **Pediatric oncology and IR**

Avnesh Thakor (Stanford, USA)

16:15-17:05 **SCIENTIFIC PAPERS**

16:15-16:23

A COLLABORATIVE HYBRID OPERATING ROOM APPROACH TO PULMONARY NODULE LOCALIZATION AND RESECTION AS A TOOL FOR QUALITY IMPROVEMENT IN PEDIATRIC INTERVENTIONAL RADIOLOGY AND SURGERY

John Racadio, Alejandra Casar Berazaluze, Nicole Hilvert, Daniel von Allmen

Cincinnati Children's Hospital Medical Center, Departments of Radiology and Surgery, Cincinnati, OH (USA)

16:23-16:31

LYMPHATIC INTERVENTION FOR HEPATOPULMONARY CONNECTIONS IN CHILDREN WITH PLASTIC BRONCHITIS AND CHYLOTHORAX: INITIAL EXPERIENCE

Fernando Escobar ⁽¹⁾, Catherine Tomasulo ⁽²⁾, Abhay Srinivasan ⁽¹⁾, Ganesh Krishnamurthy ⁽¹⁾, Yoav Dori ⁽²⁾, Christopher Smith ⁽²⁾

⁽¹⁾ Children's Hospital of Philadelphia, Department of Radiology, Philadelphia (USA), ⁽²⁾ Children's Hospital of Philadelphia, Division of Cardiology, Philadelphia (USA)

16:31-16:39

SCLEROTHERAPY IN THE TREATMENT OF COMMON LYMPHATIC MALFORMATIONS "MYTH OR REALITY": A 23 YEARS SINGLE CENTER EXPERIENCE.

Heba Elbaaly Elbaaly ⁽¹⁾, Josée Dubois ⁽¹⁾, Niina Kleiber ⁽²⁾, Louise Caouette-Laberge ⁽³⁾, Jean-Nicolas Racicot ⁽¹⁾, Françoise Rypens ⁽¹⁾, Julie Powell ⁽⁴⁾

⁽¹⁾ Medical Imaging Department, CHU Sainte-Justine, Montréal (CANADA), ⁽²⁾ Pediatrics, CHU Sainte-Justine, Montréal (CANADA), ⁽³⁾ Surgery Department, CHU Sainte-Justine, Montréal (CANADA), ⁽⁴⁾ Dermatology Department, CHU Sainte-Justine, Montréal (CANADA)



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- 16:39-16:47 **MESENTERICO-ILIAC CONGENITAL SHUNT A PARTICULAR FORM OF CONGENITAL PORTO-SYSTEMIC SHUNT: FROM PRENATAL DIAGNOSIS TO POST-NATAL MANAGEMENT**
Solène Le Cam ⁽¹⁾, Romain Pommier ⁽¹⁾, Olivier Meyrignac ⁽²⁾, Catherine Garel ⁽³⁾, Catherine Adamsbaum ⁽¹⁾, Stéphanie Franchi Abella ⁽¹⁾
⁽¹⁾ Pediatric radiology department, Bicetre Hospital APHP - Kremlin Bicetre - FRANCE, Kremlin Bicetre (FRANCE), ⁽²⁾ Adult radiology department, Bicetre Hospital APHP - Kremlin Bicetre - FRANCE, Kremlin Bicetre (FRANCE), ⁽³⁾ Pediatric radiology department, Armand-Trousseau Hospital APHP - Paris - FRANCE, Paris (FRANCE)
- 16:47-16:55 **MINIMALLY-INVASIVE, IMAGE-GUIDED TREATMENT OF FIBROADIPOSE VASCULAR ANOMALIES (FAVA): A SINGLE CENTER EXPERIENCE**
Vaz Zavaletta ⁽¹⁾, C. Matt Hawkins ⁽¹⁾, Rachel Swerdlin ⁽²⁾, Anne Gill ⁽¹⁾
⁽¹⁾ Children's Healthcare of Atlanta, Department of Radiology, Atlanta (USA), ⁽²⁾ Children's Healthcare of Atlanta, Vascular Anomalies Clinic, Atlanta (USA)
- 16:55-17:03 **THE ROLE OF CT IN DIAGNOSIS AND PERCUTANEOUS TREATMENT PLANNING OF POST-PNEUMONIC PNEUMATOCELES IN INFANTS.**
Elisa Mercanzin ⁽¹⁾, Pietro Andrea Bonaffini ^(1,2), Antonino Barletta ⁽²⁾, Francesco Stanco ^(1,2), Paolo Marra ⁽²⁾, Sandro Sironi ^(1,2)
⁽¹⁾ Milano-Bicocca University, Milan (ITALY), ⁽²⁾ Papa Giovanni XXIII Hospital, Bergamo (ITALY)
- 17:05-17:20 **Minimally invasive cancer therapies of the future**
Fernando Gómez Muñoz (Barcelona, Spain)
- 16:00-17:20 SCIENTIFIC SESSION VIII-B: CONTRAST MATERIALS - Bubbles in radiology: CEUS** **ROOM: TIZIANO 2**
Moderator: Damjana Ključevšek (Ljubljana, Slovenia)
- 16:00-16:15 **Current applications and limitations of CEUS in pediatric radiology**
Damjana Ključevšek (Ljubljana, Slovenia)
- 16:15-17:05 SCIENTIFIC PAPERS**
- 16:15-16:23 **EFFECT OF GADOLINIUM-BASED CONTRAST MEDIA ON THE DIAGNOSTIC PERFORMANCE OF MRI FOR SUSPECTED ACUTE APPENDICITIS**
Michael Callahan, Kumar Shashi, Laura Cadogan, Kellyn Mahan, Sarah Bixby
Boston Children's Hospital, Boston (USA)
- 16:23-16:31 **THE IMPACT OF CONTRAST ENHANCED ULTRASOUND (CEUS) ASSESSMENT ON THE MANAGEMENT OF ABDOMINAL SOLID ORGAN INJURIES IN CHILDREN.**
Terry Humphrey, Helen Woodley
Leeds Children's Hospital -Department of Radiology, Leeds (UNITED KINGDOM)



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- 16:31-16:39 **CONTRAST-ENHANCED ULTRASOUND OF THE CHEST IN CHILDREN: ASSESSMENT OF ADDED DIAGNOSTIC VALUE**
Halley Park ⁽¹⁾, Edward Y. Lee ⁽¹⁾, Kumar Shashi ⁽¹⁾, Wendy G. Kim ⁽¹⁾, Abbey J. Winant ⁽¹⁾, Gail MacCallum ⁽¹⁾, Domen Plut ⁽²⁾, Harriet J. Paltiel ⁽¹⁾
⁽¹⁾ Boston Children's Hospital, Boston (USA), ⁽²⁾ Clinical Institute of Radiology, University Medical Centre Ljubljana, Ljubljana (SLOVENIA)
- 16:39-16:47 **EFFECT OF HYPERBILIRUBINEMIA ON THE EXCRETION OF HEPATOCYTE SPECIFIC CONTRAST IN CHILDREN UNDERGOING MAGNETIC RESONANCE CHOLANGIOGRAPHY**
Michael Acord, Anilawan Smithimedhin, Rama Ayyala ⁽³⁾, Janet Reid ^(1, 2), Sudha Anupindi ^(1, 2)
⁽¹⁾ Children's Hospital of Philadelphia, Philadelphia (USA), ⁽²⁾ University of Pennsylvania, Philadelphia (USA), ⁽³⁾ Cincinnati Children's Hospital, Cincinnati (USA)
- 16:47-16:55 **THE CLINICAL USEFULNESS OF INTRAVENOUS CONTRAST-ENHANCED ULTRASONOGRAPHY IN CHILDREN: A SINGLE CENTRE EXPERIENCE**
Martin Thaler, Mojca Glusic, Damjana Kljucevsek
University Children's Hospital Ljubljana, Ljubljana (SLOVENIA)
- 16:55-17:03 **INITIAL EXPERIENCE WITH CONTRAST-ENHANCED ULTRASOUND AS AN ADJUNCT TO CT FOR BLUNT ABDOMINAL TRAUMA IN CHILDREN WITH CONCERN FOR PHYSICAL ABUSE**
M Katherine Henry ⁽¹⁾, Susan J Back ⁽¹⁾, Aaron E Chen ⁽³⁾, Kassa Darge ⁽¹⁾, Teniola I Egbe ⁽⁴⁾, Laura Poznick ⁽¹⁾, Philip V Scribano ⁽²⁾, Sabah Servaes ⁽¹⁾, Joanne N Wood ⁽²⁾
⁽¹⁾ Department of Radiology, Children's Hospital of Philadelphia, Philadelphia (USA), ⁽²⁾ Division of General Pediatrics, Children's Hospital of Philadelphia, Philadelphia (USA), ⁽³⁾ Division of Emergency Medicine, Children's Hospital of Philadelphia, Philadelphia (USA), ⁽⁴⁾ Center for Pediatric Clinical Effectiveness, Children's Hospital of Philadelphia, Philadelphia (USA)
- 17:05-17:20 **From lesion characterization to targeted drug delivery: the future of CEUS**
Erika Rubesova (Stanford, USA)



Friday, October 15, 2021

16:00-17:20 SCIENTIFIC SESSION VIII-C:

GASTROINTESTINAL

Imaging of pancreatitis in pediatrics

ROOM:
TIZIANO 1

Moderator: Philippe Petit (Marseille, France)

16:00-16:15 Present techniques in pediatric pancreatic imaging

Philippe Petit (Marseille, France)

16:15-17:05 SCIENTIFIC PAPERS

16:15-16:23 NORMAL SPLEEN STIFFNESS VALUES IN HEALTHY CHILDREN BY SHEAR WAVE ELASTOGRAPHY AND ASSOCIATIONS (WITH AGE, GENDER, AND SPLEEN SIZE)

Zuhal Bayramoglu, Elif Hazal Karli, Ayse Ibis

Istanbul University, Istanbul Medical Faculty, Radiology Department, Istanbul (TURKEY)

16:23-16:31 CAN MRI DIFFERENTIATE HEPATIC HEMANGIOMA FROM OTHER LESIONS IN EARLY INFANCY?

Dan Halevy ⁽¹⁾, Blayne Sayed ⁽²⁾, Furqan Shaikh ⁽³⁾, Simon Ling ⁽⁴⁾, Iram Siddiqui ⁽⁵⁾, Govind Chavhan ⁽⁶⁾

⁽¹⁾ Hospital for Sick Children, Toronto (CANADA), ⁽²⁾ Hospital for Sick Children, Toronto (CANADA), ⁽³⁾ Hospital for Sick Children, Toronto (CANADA), ⁽⁴⁾ Hospital for Sick Children, Toronto (CANADA), ⁽⁵⁾ Hospital for Sick Children, Toronto (CANADA), ⁽⁶⁾ Hospital for Sick Children, Toronto (CANADA)

16:31-16:39 DEVELOPMENT AND USE OF A SPIO NANOPARTICLES-BASED PHANTOM FOR VALIDATION AND DISSEMINATION OF NONINVASIVE MRI METHODS FOR EVALUATION OF LIVER IRON OVERLOAD

Petr Bulanov, Evelina Nazarova, Petr Menshchikov ^(1,2),

Dmitry Kupriyanov ^(1,2), Galina Tereshchenko, Galina Novichkova

⁽¹⁾ Dmitry Rogachev National Medical Research Center of Pediatric Hematology, Oncology and Immunology, Moscow (RUSSIAN FEDERATION), ⁽²⁾ Philips Healthcare, Moscow (RUSSIAN FEDERATION)

16:39-16:47 LIVER IRON QUANTIFICATION IN CHILDREN: COMPARISON OF MULTI-ECHO DIXON VIBE WITH T2* RELAXOMETRY

Geetika Khanna, Sudhir Bhimaniya, Zhongwei Zhang

Washington University, St Louis (USA)



Friday, October 15, 2021

16:47-16:55

PROSPECTIVE STUDY OF QUANTITATIVE MRI IN CYSTIC FIBROSIS LIVER DISEASE: FEASIBILITY AND COMPARISON TO ULTRASOUND

Towbin Alexander ⁽¹⁾, Wen Ye ⁽²⁾, Suiyuan Huang ⁽²⁾, Jean Molleston ⁽³⁾, Boaz Karmazyn ⁽⁴⁾, Prakash Masand ⁽⁵⁾, Daniel Leung ⁽⁶⁾, Samuel Chang ⁽⁷⁾, Michael Narkewicz ⁽⁸⁾, Adina Alazraki ⁽⁹⁾, Alvin Freeman ⁽¹⁰⁾, Randolph Otto ⁽¹¹⁾, Nicole Green ⁽¹²⁾, Wikrom Karnsakul ⁽¹³⁾, Ihab Kamel ⁽¹⁴⁾, John Magee ⁽¹⁵⁾, Joseph Palermo ⁽¹⁶⁾

⁽¹⁾ Department of Radiology, Cincinnati Children's Hospital, Cincinnati (USA),

⁽²⁾ Department of Biostatistics, University of Michigan, Ann Arbor (USA),

⁽³⁾ Pediatric Gastroenterology, Hepatology and Nutrition, Indiana University School of Medicine Riley Hospital for Children, Indianapolis (USA),

⁽⁴⁾ Department of Pediatric Radiology, Riley Hospital for Children, Indianapolis (USA), ⁽⁵⁾ Department of Radiology, Texas Children's Hospital, Houston (USA), ⁽⁶⁾ Division of Gastroenterology, Hepatology and Nutrition, Texas Children's Hospital, Houston (USA), ⁽⁷⁾ Department of Radiology, University of Colorado, Aurora (USA), ⁽⁸⁾ Section of Pediatric Gastroenterology, Hepatology and Nutrition, Department of Pediatrics, University of Colorado SOM, Aurora (USA), ⁽⁹⁾ Department of Radiology, Children's Hospital of Atlanta, Atlanta (USA), ⁽¹⁰⁾ Division of Pediatric Gastroenterology, Hepatology and Nutrition, Emory University School of Medicine, Atlanta (USA), ⁽¹¹⁾ Department of Radiology, Seattle Children's Hospital, Seattle (USA), ⁽¹²⁾ Division of Gastroenterology and Hepatology, Seattle Children's Hospital and University of Washington, Seattle (USA), ⁽¹³⁾ Division of Gastroenterology and Hepatology, Johns Hopkins University School of Medicine, Baltimore (USA), ⁽¹⁴⁾ Department of Radiology, Johns Hopkins University School of Medicine, Baltimore (USA), ⁽¹⁵⁾ Department of Surgery, University of Michigan, Ann Arbor (USA), ⁽¹⁶⁾ Division of Gastroenterology, Hepatology and Nutrition, Cincinnati Children's Hospital, Cincinnati (USA)

16:55-17:03

PRE- AND POST-OPERATIVE SONOGRAPHIC ASSESSMENT OF PORTAL VEIN FLOW IN A PEDIATRIC COHORT AFTER TOTAL PANCREATECTOMY WITH ISLET CELL AUTO-TRANSPLANTATION

Adam Yen ⁽¹⁾, Andrew Posselt ⁽²⁾, Emily Perito ⁽³⁾, Matthew Zapala ⁽¹⁾

⁽¹⁾ University of California, San Francisco, Department of Radiology and Biomedical Imaging, San Francisco (USA), ⁽²⁾ University of California, San Francisco, Department of Surgery, Division of Transplant Surgery,

San Francisco (USA), ⁽³⁾ University of California, San Francisco, Department of Pediatrics, Division of Pediatric Gastroenterology, San Francisco (USA)

17:05-17:20

New pathways to examine biliary disease

Michael Callahan (Boston, USA)



Friday, October 15, 2021

16:00-17:20	SCIENTIFIC SESSION VIII-D: FETAL IMAGING - Thoracic fetal imaging	ROOM: CARAVAGGIO
	<i>Moderator:</i> Lucia Manganaro (Rome, Italy)	
16:00-16:15	When to watch, when to cut, and when to ignore Amy Mehollin-Ray (Houston, USA)	
16:15-17:05	SCIENTIFIC PAPERS	
16:15-16:23	FEASIBILITY OF NON-GATED DYNAMIC FETAL CARDIAC MRI FOR IDENTIFICATION OF FETAL CARDIOVASCULAR ANATOMY	
	Julia Geiger ⁽¹⁾ , Ruth Tuura ⁽²⁾ , Fraser Callaghan ⁽²⁾ , Barbara Burkhardt ⁽³⁾ , Kelly Payette ⁽²⁾ , Andras Jakab ⁽²⁾ , Christian Kellenberger ⁽¹⁾ , Emanuela Valsangiacomo ⁽³⁾ ⁽¹⁾ Imaging Department, Zurich (SWITZERLAND), ⁽²⁾ Center for MR research, Zurich (SWITZERLAND), ⁽³⁾ Pediatric Cardiology, Zurich (SWITZERLAND)	
16:23-16:31	HIGH-RESOLUTION MORPHOLOGICAL AND FUNCTIONAL MR IMAGING OF THE FETAL HEART USING DOPPLER ULTRASOUND GATING: COMPARISON AND OPTIMIZATION ON A PULSE SEQUENCE ASPECT	
	Roland Cronenber ⁽¹⁾ , Shuo Zhang ⁽²⁾ , Barbara Ulm ⁽³⁾ , Hendrik Kooijman-Kurfuerst ⁽²⁾ , Fabian Kording ^(4, 5) , Daniela Prayer ⁽¹⁾ , Vanessa Berger-Kulemann ⁽¹⁾ ⁽¹⁾ Dept Biomed Imaging, Division Neuroradiology and Musculoskeletal Radiology, Medical University of Vienna, Vienna (AUSTRIA), ⁽²⁾ Philips Healthcare, Hamburg (GERMANY), ⁽³⁾ Dept Gynecology and Obstetrics, Division of Feto-Maternal Medicine, Medical University of Vienna, Vienna (AUSTRIA), ⁽⁴⁾ Dept Diagnostic and Interventional Radiology and Nuclear Medicine, University Hospital Hamburg-Eppendorf, Hamburg (GERMANY), ⁽⁵⁾ northh medical GmbH, Hamburg (GERMANY)	
16:31-16:39	FOUR-DIMENSIONAL FETAL CARDIAC MR IMAGING FOR FUNCTIONAL ASSESSMENT	
	Nicholas Rubert ⁽¹⁾ , Jonathan D. Plasencia ⁽²⁾ , Dianna M.E. Bardo ⁽¹⁾ , Christopher L. Lindblade ⁽²⁾ , Luis F. Goncalves ⁽¹⁾ , Gaurav Jategaonkar ⁽³⁾ ⁽¹⁾ Phoenix Children's Hospital -Department of Radiology, Phoenix (USA), ⁽²⁾ Phoenix Children's Hospital - Department of Cardiology, Phoenix (USA), ⁽³⁾ Arizona State University, Tempe, AZ. (USA)	
16:39-16:47	LOCATION, LOCATION, LOCATION: THE REAL ESTATE OF FETAL LUNG LESIONS	
	Edward Oliver ⁽¹⁾ , Ryne Didier ⁽¹⁾ , Suzanne DeBari ⁽¹⁾ , Teresa Victoria ⁽¹⁾ , Shelly Soni ⁽²⁾ , N. Scott Adzick ⁽²⁾ , Beverly Coleman ⁽¹⁾ ⁽¹⁾ Children's Hospital of Philadelphia - Department of Radiology, Philadelphia (USA), ⁽²⁾ Children's Hospital of Philadelphia - Department of Surgery, Philadelphia (USA)	



Friday, October 15, 2021

- 16:47-16:55 **EVOLUTION OF THE T1-WEIGHTED SIGNAL OF THE FETAL LIVER DURING PREGNANCY**
Max Zalcman, Aurélie D'hondt, Jarrett Rosenberg, Safwan Halabi,
Richard Barth, Erika Rubesova
*Lucille Packard Children's Hospital, Stanford University - Department of
Pediatric Radiology, Stanford (USA)*
- 16:55-17:03 **PRENATAL MRI IN DIFFERENTIATING CYSTIC TERATOMAS AND VENOLYMPHATIC MALFORMATIONS OF THE FETAL NECK.**
Sara Reis Teixeira, Cesar A.P.F. Alves, Juan Sebastian Martin-Saavedra,
Fabricio G. Guimaraes, Avrum Pollock, Edward Oliver, Teresa Victoria,
Larissa T. Bilaniuk, Tamara Feygin
Children's Hospital of Philadelphia, Philadelphia (USA)
- 17:05-17:20 **New directions in fetal lung imaging**
Lucia Manganaro (Rome, Italy)

17:25-17:45 Closing Ceremony

**ROOM:
MICHELANGELO**

07:00-17:00 Cases of the Day

Moderators: Neil Johnson (Cincinnati, USA), Aurelio Secinaro (Rome, Italy)

NO CME ACCREDITATION

PRE-COURSE COLLOQUIUM

CATEGORICAL COURSE

OLYMPICS, LECTURES

LUNCH SYMPOSIA

SCIENTIFIC SESSION

SUNRISE SESSION

CEREMONIES



Garden Level

ROOMS
BRAMANTE

COVID TEST
ROOM

PLENARY ROOM
MICHELANGELO

SPEAKER
READY ROOM

REGISTRATION

LOBBY

MAIN
ENTRANCE

ROOM CARAVAGGIO

EXHIBITION
& CATERING AREA

Donat

LMT
medico systems

FUJIFILM

PHILIPS

ROOM
TIZIANO 1

ROOM
TIZIANO 2

ROOM
TIZIANO 3

ROOMS
BERNINI

ROOM
INTRODOTTO 1

ROOM
INTRODOTTO 2

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SPEAKERS READY ROOM

Presentations should be delivered to the Speakers Ready Room the day before your session or at least two hours before the beginning of the session. The recommended format for PPT presentations is 16:9.

HOW TO USE THE VIRTUAL PLATFORM

THE IPR 2021 VIRTUAL PLATFORM WILL OPEN ON OCTOBER 9 AT 10 A.M.

To maximize your participation, please note:

- Login details are unique and non-transferable
- The platform is entirely web based, it is not necessary to install any software on your device
- You should only access the platform through 1 device
- We recommend viewing via PC or Mac with a stable internet connection (5 Mbit/sec in upload)
- All the Program schedule is expressed as Central European Summer Time (CEST): make sure to **convert your time zone to CEST**. You can convert in your local time here

LOGIN PAGE

To enter the IPR 2021 Virtual Platform the first time, please:

- ▶ Click on this link: <https://ipr2021.livebit.it/>
- ▶ Click on **ACCESS CODE** and enter your personal access code. Important: the access code will be **active only after the opening** of the Virtual Platform
- ▶ You will be requested to create a **USERNAME** and a **PASSWORD**. Important: please be sure to save and keep them, as **they will have to be used for all your following accesses**
- ▶ Make your choice about Chat function and Privacy Policy and **CONFIRM**.

CONGRESS ACCESS CODES TYPES

In person attendees: they will follow the onsite congress. They have access to on demand scientific sessions/rooms after the congress. During the congress they can access the platform without attending the live sessions that will be available on demand.

Registered Virtual Attendees October 10-15: they access live sessions and all the meeting information from October 9 + congress on demand

Registered Virtual Attendees October 11-15: they access live sessions and all the meeting information from October 10 evening + congress on demand



For the **following access**, insert your USERNAME and PASSWORD and click on **LOGIN**.



RADIOLOGY
8TH CONJOINT CONGRESS & EXHIBITION
Rome, October 11 -15, 2021
& Pre-course Colloquia October 10-11, 2021



IPR2021

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OR

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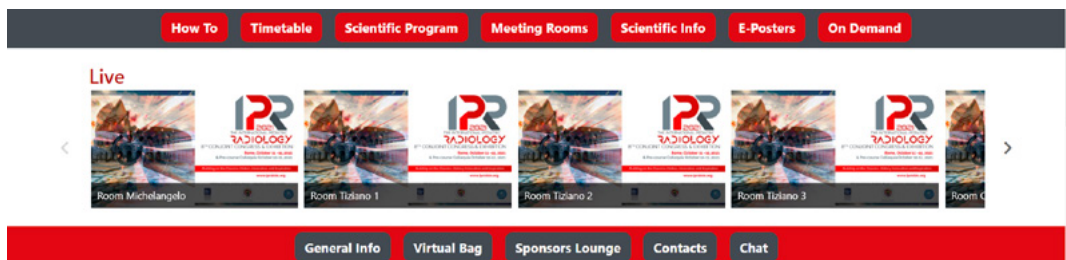
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HOW TO-

platform guidelines

TIMETABLE

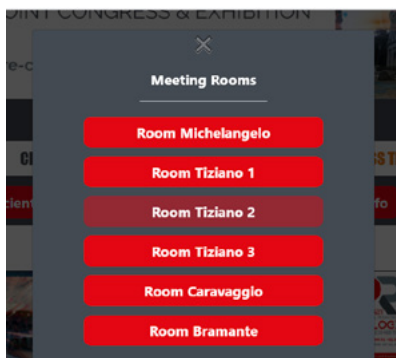
click here to open the timetable and look for the sessions of your interest (time zone will be automatically set by the system)

SCIENTIFIC PROGRAM

symposium program can be seen in pdf format

MEETING ROOMS

Area dedicated to join the live sessions of the Symposium. Click on the room you are interested in and follow the session.



You can also join the rooms by clicking on the main page of the platform



Live



SCIENTIFIC INFO

scientific information about the congress, including details on CME credits

E-POSTERS

to see all the posters submitted (no discussion is foreseen)

ON DEMAND

in this area will be uploaded all the scientific sessions, 48 hours after the live streaming. From this area it is possible to send messages/comments to the speakers and they can reply if interested. The content is public and will be available until the on demand area is open (1 year after the congress). Please note that no alert is foreseen therefore you are kindly requested to enter the platform sometimes and check if your question has been answered

VIRTUAL BAG

to view or download the product sheets, the Symposium program and other useful documents

SPONSOR LOUNGE

to see all the sponsor companies attending the congress

CONTACTS

to send an email to the organising secretariat

CHAT

Public area to chat with the others online participants/speakers

BREAKING NEWS

In the showreel at the top of the page will be posted important info/breaking news about the congress, stay tuned!



Everytime you wish to exit the page you are navigating, please click on the X button.

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BE CONNECTED

Wi-fi is available for Congress participants throughout the public areas of the venue. Click the **IPR21ITALY** for net and password to access the free wi-fi.

OPENING CEREMONY & WELCOME RECEPTION

Monday, October 11 – 17:00

The Opening Ceremony is the official starting point of the Congress. All participants are invited to the Room Michelangelo. It will be followed by a Welcome Reception in the Exhibition area.

REFRESHMENTS

Coffee and lunch box will be served to Congress participants in the Exhibition Area. A cash bar will be available at Lobby of the Hotel. Dinner can be reserved at the Marriott Resaturant.

FAREWELL BANQUET

Friday October 15 - 20:30

The enjoyable International evening will be held in one of the most beautiful location in Rome, Casina di Macchia Madama. Music and dancing will make this evening a special souvenir for the Congress guests. Tickets are subject to availability .

CLOAKROOM

A cloakroom is available according to the scientific schedule of the Congress. The cloakroom is available for medium or oversize deposit only and is located in Tiziano Foyer. Due to Covid restrictions participants are kindly requested not to leave their personal belongings.

ORGANIZING SECRETARIAT



AIM Group International – Milan Office

Via G. Ripamonti, 129 – 20141 Milan, Italy
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EDUCATIONAL POSTER

Poster: EDU-001

BRITISH SOCIETY OF PAEDIATRIC RADIOLOGY ANNUAL MEETING (2020): THE TRANSITION FROM A VENUE-BASED TO A VIRTUAL CONFERENCE AND LESSONS LEARNED FOR THE FUTURE

Nageena Suleman, Mark Bishay, Emily Evans, Ulya Malik, Fatemeh Hadian, William Hedges, Sana Ali, Hiten Patel, Manigandan Thyagarajan, Adam Oates, Samantha Low
Birmingham Children's Hospital, Birmingham, UNITED KINGDOM

Poster: EDU-002

"HOW TO REVIEW THE PAEDIATRIC RADIOLOGY ARTIFICIAL INTELLIGENCE EVIDENCE USING THE PICO/DATO METHOD"

Brendan Kelly ¹, Gabrielle Colleran ², Sibohan Hoare ², Aonghus Lawlor ³, Ronan Killeen ¹

¹ St Vincents University Hospital, Dublin, IRELAND

² CHI @ Temple Street, Dublin, IRELAND

³ Insight @ UCD, Dublin, IRELAND

Poster: EDU-003

ADVANCED CARDIOVASCULAR COMPUTED TOMOGRAPHY (CT) IMAGING IN CHILDREN WITH CONGENITAL VARIANTS AND ANOMALIES OF THE AORTIC ARCH: FROM VOLUME RENDERING (VR) TO 3D MODELS AND 3D PRINTING

Flavio Zuccarino ¹, María Clara Escobar-Díaz ², Alex Perez ², Maria Navallas ³, Ignaci Barber ⁴, Bosco Alejandro Moscoso ⁵, Congiu Stefano ⁵, Jose Maria Caffarena ⁵, Salvatore Marsico ⁶, Fredy Prada ², Juan Manuel Carretero ², Joan Sanchez De Toledo ², Javier Mayol ⁵, Ferran Pifarre ⁴, Irene Gomez ⁴, Laura Acosta ⁷, Arnau Valls ⁸, Enrique Ladera ⁴, Josep Munuera ⁴

¹ Hospital Sant Joan de Deu, Department of Radiology and Hospital del Mar, Chief of Cardiothoracic Radiology, Barcelona, SPAIN

² Hospital Sant Joan de Deu, Department of Cardiology, Barcelona, SPAIN

³ Hospital 12 de Octubre, Department of Radiology, Madrid, SPAIN

⁴ Hospital Sant Joan de Deu, Department of Radiology, Barcelona, SPAIN

⁵ Hospital Sant Joan de Deu, Department of Cardiovascular Surgery, Barcelona, SPAIN

⁶ Hospital del Mar, Department of Radiology, Barcelona, SPAIN

⁷ Children's Hospital of Eastern Ontario, Department of Radiology, Ottawa, CANADA

⁸ Hospital Sant Joan de Deu, 3 D Printing Unit, Barcelona, SPAIN

Poster: EDU-004

CONGENITAL ABSENCE OF THE PERICARDIUM

Beverly Newman

Stanford Childrens Hospital at Stanford University, Stanford, USA

Poster: EDU-005

UNTWISTING ARTERIAL TORTUOSITY SYNDROME

Gurdeep Mann ¹, Sandra Abusamaan ², Saad Saeed ³

¹ Sidra Medicine - Department of Radiology, Doha, QATAR

² Hamad General Hospital - Clinical Imaging, Doha, QATAR

³ Sidra Medicine - Heart Center, Doha, QATAR



Poster: EDU-006

SEGMENTAL ANALYSIS OF COMPLEX CONGENITAL HEART DISEASE: AN ODE TO CARDIAC IMAGING

Neetika Gupta ¹, Laura Acosta-Izquierdo ¹, Derek Wong ², Jorge Davila ¹

¹ Department of Medical Imaging, CHEO, University of Ottawa, Ottawa, CANADA

² Department of Pediatric Cardiology, CHEO, University of Ottawa, Ottawa, CANADA

Poster: EDU-007

MOCK ENDOVASCULAR STENTING AND COMPUTED TOMOGRAPHY OF A DISTENSIBLE 3D MODEL FOR COMPLEX CONGENITAL HEART DISEASE

Kenneth Cheung ¹, Sima Zakani ², John Jacob ², Eimear McGovern ², Martin Hosking ², John Mawson ¹, Gordon Culham ¹

¹ Department of Radiology, University of British Columbia, Vancouver, CANADA

² Department of Paediatrics, University of British Columbia, Vancouver, CANADA

Poster: EDU-008

3D PRINTED CARDIAC MAGNETIC RESONANCE IMAGING TRAINING PHANTOM WITH RESPIRATORY SIMULATION

Kenneth Cheung ¹, Carol Wing-Ki Ng ², Mei-Yu Poon ², Wai-Siu Kwok ³, Ka-Ho Leung ³, Chui-Kin Lau ³, Francis Lee ³, Madeleine Lam ³, Tiffany Chung ³, Nam-Hung Chia ³, Eric So ³, George Ng ³, Elaine Kan ²

¹ University of British Columbia, Vancouver, CANADA

² Hong Kong Childrens Hospital, Hong Kong, HONG KONG

³ Queen Elizabeth Hospital, Hong Kong, HONG KONG

Poster: EDU-009

DYNAMIC 4D AIRWAY CT: ACCOUNTING FOR VARIATIONS IN VENTILATION, POSITION, AND OTHER FACTORS IN INTERPRETATION AND OPTIMIZATION OF DIAGNOSTIC UTILITY

Elizabeth Tang, Erin Romberg, Sarah Menashe, Francisco Perez, Jeffrey Otjen
Seattle Children's Hospital - Department of Radiology, Seattle, USA

Poster: EDU-010

RADIOLOGIC FINDINGS IN THE VITAMIN K DEFICIENT INFANT

Emily Haas ¹, Asha Sarma ¹, Rekha Krishnasarma ¹, Alexandra Borst ², Elizabeth Snyder ¹

¹ Monroe Carell Jr. Children's Hospital at Vanderbilt Department of Pediatric Radiology, Nashville, TN, USA

² Monroe Carell Jr. Children's Hospital at Vanderbilt Department of Pediatric Hematology/Oncology, Nashville, TN, USA

Poster: EDU-011

CONGENITAL PERIPHERAL PULMONARY ARTERY ANOMALIES, SYNDROME ASSOCIATIONS - CT AND MR IMAGING

Beverly Newman

Stanford Childrens Hospital at Stanford University, Stanford, USA

Poster: EDU-012

PEDIATRIC THORACIC MASSES: A PICTORIAL REVIEW

Evangelos Mourtos ¹, Eva Penno ¹, Sandra Diaz Ruiz ²

¹ Dept of Radiology, Akademiska University Hospital, Uppsala, SWEDEN

² Dept of Pediatric Radiology, New Karolinska University Hospital, Stockholm, SWEDEN



Poster: EDU-013

HIGH-RESOLUTION COMPUTED TOMOGRAPHY IN CHILDHOOD INTERSTITIAL LUNG DISEASE: A HISTOLOGY-BASED APPROACH

Laura Martelius ¹, Päria Miraftabi ¹, Jouko Lohi ², Turkka Kirjavainen ³

¹ HUS Medical Imaging Center, Radiology, University of Helsinki and Helsinki University Hospital, Helsinki, FINLAND

² Department of Pathology, University of Helsinki and Helsinki University Hospital, Helsinki, FINLAND

³ Department of Pediatrics, Childrens Hospital, University of Helsinki and Helsinki University Hospital, Helsinki, FINLAND

Poster: EDU-014

SARS-COV-2 INFECTION IN CHILDREN: REVIEW OF IMAGING FINDINGS

Divya Kishore ¹, Ashishkumar Parikh ^{1,2}, Erica Riedesel ^{1,2}, Edward Richer ^{1,2}

¹ Department of Radiology and Imaging Sciences, Emory University School of Medicine, Atlanta, USA

² Department of Radiology, Children's Healthcare of Atlanta, Atlanta, USA

Poster: EDU-015

LOW DOSE DYNAMIC CHEST CT FOR DETERMINATION OF OPTIMAL VENTILATION PEEP VALUES

Harutyun Haroyan, Darragh Brady, Jane Kim, Narendra Shet
Children's National Medical Center, Washington, DC, USA

Poster: EDU-018

NON-NEOPLASTIC MEDIASTINAL MASSES IN PEDIATRICS

Hiral Banker, Preet Sandhu

Le Bonheur Children's Hospital, University of Tennessee, Memphis, USA

Poster: EDU-020

UNVEIL THE THYMUS SAIL

Reema Agarwal ¹, Joshua Wermers ², Rachel Berkovich ²

¹ SSM Saint Louis University Hospital - Department of Diagnostic Radiology, St. Louis, USA

² SSM Cardinal Glennon Hospital - Department of Pediatric Radiology, St. Louis, USA

Poster: EDU-021

IMAGING OF MALIGNANT PEDIATRIC CHEST MASSES

Kumar Shashi, Stephan Voss

Boston Childrens Hospital, Boston, USA

Poster: EDU-022

CHALLENGES WITH PEDIATRIC CENTRAL VENOUS CATHETER STUDIES: 10-YEAR EXPERIENCE AT A LARGE TERTIARY PEDIATRIC HOSPITAL

Kumar Shashi, Michael Callahan, Andy Tsai

Boston Childrens Hospital - Department of Radiology, Boston, USA



Poster: EDU-023

DEVELOPMENT AND IMPLEMENTATION OF A TRANSPARENT ORIGAMI FACE MASK FOR PATIENT AND FAMILY CENTERED CARE

MARIA Velez-Florez, ELIZABETH Silvestro, BRITTANY Bennett, ETHAN Larsen, ERIN Pohl, RAYMOND Sze

The Children's Hospital of Philadelphia, Philadelphia, USA

Poster: EDU-024

PANCREATIC AND THYROID INTRAGLANDULAR FATTY TISSUE: PAY ATTENTION TO AVOID THE SONOGRAPHIC DIAGNOSTIC TRAP!

Marina Vakaki ¹, Rodanthi Sfakiotaki ¹, Anna Chountala ¹, Despina Pitsoulaki ¹, Eleni Koutrouveli ¹, Irene Vraka ¹, George Daniel ², Ekaterini Haritou ¹, Chrysoula Koumanidou ¹

¹ 'P&A.Kyriakou' Children's Hospital, Athens, GREECE

² General Hospital of Thessaloniki G. Gennimatas, Thessaloniki, GREECE

Poster: EDU-025

A PICTORIAL REVIEW OF INJURIES CONSIDERED TO HAVE A HIGH SPECIFICITY FOR ABUSIVE INJURY IN CHILDREN

Nageena Suleman, Samantha Low, Adam Oates

Birmingham Children's Hospital, Birmingham, UNITED KINGDOM

Poster: EDU-026

ADDITIVE MANUFACTURING (3D PRINTING) IN THE TIME OF A PANDEMIC: LESSONS, SUGGESTIONS, AND WHAT'S NEXT

Elizabeth Silvestro ¹, Maria Velez-Florez ¹, Ethan Larsen ¹, Micheal Francavilla ^{1,2}, Raymond Sze ^{1,2}

¹ Childrens Hospital of Philadelphia, Philadelphia, USA

² Perelman School of Medicine at the University of Pennsylvania, Philadelphia, USA

Poster: EDU-027

CREATING A CASE-BASED ELECTRONIC TEACHING MODULE ON BASIC ABDOMINAL IMAGING

Alyssa Schlotman ¹, Melissa Hilmes ², Sudha Singh ²

¹ Vanderbilt University School of Medicine, Nashville, TN, USA

² Vanderbilt University Medical Center, Nashville, TN, USA

Poster: EDU-028

FETAL HEAD AND NECK PATHOLOGY ON 3-T MRI

Manuel Patino ¹, Fedel Machado Rivas ², John Choi ², Caroline Robson ², Camilo Jaimes ²

¹ Massachusetts General Hospital - Department of Radiology, Boston, USA

² Boston Children's Hospital - Department of Radiology, Boston, USA

Poster: EDU-029

AN UNUSUAL PRESENTATION OF PAEDIATRIC MYOFIBROMA (MYOPERICYTOMA): A CASE REPORT

Tobi Aderotimi, Kate Taylor-Robinson, Alexandra Williams

Paediatric Radiology Department, Alder Hey Children's Hospital, Liverpool, UNITED KINGDOM



Poster: EDU-030

TYPICAL AND ATYPICAL FINDINGS OF DUPLEX KIDNEYS ON FETAL MRI

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Poster: EDU-031

AQUEDUCTAL STENOSIS: PRENATAL DIAGNOSIS AND POSTNATAL OUTCOME

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Poster: EDU-032

NEW LESSONS FROM MR IMAGING OF PLACENTA ACCRETA SPECTRUM: PRACTICAL INSIGHTS AND FUTURE PERSPECTIVES

Irina Mashchenko, Polina Kozlova, Elena Semenova, Ekaterina Shelepova, Olga Li, Gennadiy Trufanov

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Poster: EDU-033

TRANSLATION OF STANDARD CARDIOVASCULAR IMAGING TECHNIQUES TO THE FETAL HEART

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Poster: EDU-034

FETAL CARDIAC MRI - PHYSICS AND TECHNOLOGY OF IMAGE ACQUISITION

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Poster: EDU-035

THE PERINATAL DIAGNOSIS OF THE BECKWITH_ WIEDEMANN AND OTHER OVERGROWTH SYNDROMES: WHEN AND HOW TO DETECT

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Poster: EDU-036

A LIGHT AT THE END OF THE TUNNEL- AN ILLUMINATION OF THE PEDIATRIC INGUINAL CANAL

Ellen Christine Wallace, Jean-Marc Gauguier, Farhana R. Riaz, Julia Rissmiller, Ahmed M. Sobeih

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Poster: EDU-037

MAKING CONNECTIONS WITH TRACHEOESOPHAGEAL FISTULAS: SPECTRUM OF PRESENTATIONS AND TREATMENT COMPLICATIONS

Gregory Vorona, Landon Funciello, Jason Sulkowski, Madhura Chitnavis, Kathryn Jones, Jacqueline Urbine

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Poster: EDU-038

PICTORIAL REVIEW OF THE INGUINO-SCROTAL REGION IN CHILDREN: NORMAL ANATOMY AND PATHOLOGY

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Poster: EDU-039

IMAGING THE UMBILICUS AND ITS DISORDERS

Harvey Teo

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Poster: EDU-040

WALKING THE FLANK: BULGING FLANKS-HELPFUL SIGNS ON ABDOMINAL RADIOGRAPHS IN THE DIAGNOSIS OF INTRABDOMINAL MASSES

Diana Lopez-Garcia, Jayne Seekins, Helen Nadel, Jesse Sandberg

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Poster: EDU-041

ROTATING 3D LIKE FLUROSCOPIC TECHNIQUE USING AN OCTOSTOP AND A FIXED FLUROSCOPY SYSTEM

Mikhael Sebaaly, Takashi Shawn Sato, Robert Becker

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Poster: EDU-043

ADOLESCENT WITH MEDIAN ARCUATE LIGAMENT AND NUTCRACKER SYNDROMES

Monique Riemann, Christine Markham, Smita Bailey

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Poster: EDU-049

MOVING BEYOND NONSPECIFIC BOWEL WALL THICKENING ON ULTRASOUND WITH PATHOLOGIC CORRELATION

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Poster: EDU-050

RECTOVESICULAR FISTULA: AN ODD PRESENTATION

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Poster: EDU-052

PAEDIATRIC VIDEOFUOROSCOPIC SWALLOW STUDY (VFSS): A STEP-BY-STEP APPROACH

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Poster: EDU-053

POINT SHEAR WAVE ELASTOGRAPHY: ECOGRAPHIC TECHNIQUE AND PAEDIATRIC APPLICATIONS

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Poster: EDU-056

ACUTE ABDOMEN IN NEONATES: IMAGING SPECTRUM AND CLASSIC FEATURES

Ankita Chauhan, Anand Raju, Thomas Boulden, Preet Sandhu, Harris L. Cohen

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Poster: EDU-057

ASSESSMENT OF ESOPHAGUS AND GASTROESOPHAGEAL JUNCTION IN THE PEDIATRIC AGE GROUP

Ankita Chauhan, Anand Raju, Thomas Boulden, Preet Sandhu, Harris L. Cohen

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Poster: EDU-058

IMAGING SPECTRUM OF INGESTED FOREIGN BODY IN THE PEDIATRIC AGE GROUP: WHAT THE RADIOLOGISTS NEED TO KNOW

Ankita Chauhan, Anand Raju, Thomas Boulden, Preet Sandhu, Harris L. Cohen

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Poster: EDU-059

GASTRIC TRANSPOSITION FOR PAEDIATRIC OESOPHAGEAL REPLACEMENT SURGERY – A RADIOLOGICAL REVIEW

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Poster: EDU-060

THE SPLEEN IN THE CHILD

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Poster: EDU-062

IMAGING OF INGESTED FOREIGN BODIES AND THEIR COMPLICATIONS

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Poster: EDU-063

CONGENITAL PORTOSYSTEMIC SHUNTS

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Poster: EDU-064

A PICTORIAL REVIEW OF MALROTATION MIMICS IN PAEDIATRICS

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Poster: EDU-065

TRAUMATIC HANDLEBAR INJURIES IN CHILDREN

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Poster: EDU-066

ULTRASOUND IN DIAGNOSIS AND MONITORING OF PYELONEPHRITIS, AS THE ONLY IMAGING MODALITY IN CHILDREN

Irene Vraha ¹, Marina Vakaki ¹, Rodanthi Sfakiotaki ¹, Eleni Koutrouveli ¹, Ekaterini Haritou ¹, Anna Chountala ¹, Georgios Daniil ², Chrysoula Koumanidou ¹

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Poster: EDU-067

MULTISYSTEM IMAGING FINDINGS OF HAEMOLYTIC URAEMIC SYNDROME IN CHILDREN: A PICTORIAL REVIEW

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Poster: EDU-068

ECHOGENIC KIDNEYS IN NEONATES AND INFANTS: A PICTORIAL REVIEW

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Poster: EDU-069

THE USE OF MULTI-MODALITY IMAGING IN THE DIAGNOSIS OF CONGENITAL URACHAL ANOMALIES

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Poster: EDU-070

WILMS OR NOT WILMS? A PICTORIAL REVIEW OF PEDIATRIC RENAL MASSES

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Poster: EDU-071

IMAGING INGUINO-SCROTAL ANOMALIES IN NEONATES (AND INFANTS) IN THE LIGHT OF THE EMBRYOLOGICAL DEVELOPMENT

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Poster: EDU-072

WAGR IS WACK!

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Poster: EDU-073

A PICTORIAL REVIEW OF INTERVENTIONAL RADIOLOGY PROCEDURES IN PAEDIATRIC HEPATOBILIARY DISEASES

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Poster: EDU-074

ABNORMALITIES OF THE LYMPHATIC SYSTEM IN CHILDREN: IMAGE-GUIDED INTERVENTIONS

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Poster: EDU-075

A PICTORIAL REVIEW OF PROCEDURES IN PAEDIATRIC INTERVENTIONAL URORADIOLOGY

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Poster: EDU-076

A RADIOLOGIST'S GUIDE TO LYMPHATIC ANOMALIES IN PEDIATRIC PATIENTS

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Poster: EDU-077

IMAGING REVIEW AND DISEASE FOLLOW UP OF CHRONIC NONBACTERIAL OSTEOMYELITIS WITH WHOLE BODY MRI

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Poster: EDU-078

INFLAMMATORY CONDITIONS OF THE PEDIATRIC HAND AND NON-INFLAMMATORY MIMICS

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Poster: EDU-079

SPECTRUM OF NORMAL FINDINGS, ANATOMIC VARIANTS AND PATHOLOGIC FINDINGS OF THE PAEDIATRIC STERNUM: A PICTORIAL REVIEW

Andreas Panayiotou, Marcela De La Hoz Polo, Saira Haque
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Poster: EDU-080

PRACTICAL APPROACH TO MRI OF THE TEMPOROMANDIBULAR JOINT IN JUVENILE IDIOPATHIC ARTHRITIS

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Poster: EDU-082

NON-ACCIDENTAL TRAUMA AND ITS MIMICKERS: A PICTORAL EDUCATIONAL REVIEW

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Poster: EDU-083

A PICTORIAL REVIEW OF RADIOLOGICAL FINDINGS IN SUSPECTED PHYSICAL ABUSE IN CHILDREN

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Poster: EDU-084

IMAGING DURING THERAPY IN LATE PRESENTATION OF DEVELOPMENTAL DYSPLASIA OF THE HIP (DDH)

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Poster: EDU-085

CREATION OF A NOVEL PEDIATRIC SPORTS MEDICINE IMAGING MODULE

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Poster: EDU-086

CONGENITAL TALIPES EQUINOVARUS: INITIAL AND LONG-TERM RADIOLOGICAL ASSESSMEN

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Poster: EDU-087

CINEMATIC RENDERING IN PAEDIATRIC MUSCULOSKELETAL IMAGING

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Poster: EDU-088

ULTRASOUND OF PEDIATRIC LUMPS AND BUMPS

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Poster: EDU-089

MR IMAGING OF NON-TRAUMATIC NON-NEOPLASTIC PATHOLOGIES OF THE PEDIATRIC KNEE JOINT – A PICTORIAL REVIEW

Mudit Arora, Narendra Shet, Ramon Sanchez

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Poster: EDU-090

ARTERIAL SPIN LABELLING (ASL) MRI IN PEDIATRIC HEAD AND NECK LESIONS WITH PATHOLOGICAL CORRELATION WHEN AVAILABLE

Aparna Devi Yepuri, Mathew Whitehead, Jose Molto

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Poster: EDU-091

ON-CALL PRIMER FOR RESIDENTS: PEDIATRIC NEURORADIOLOGY

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Poster: EDU-092

A MULTIMODALITY REVIEW OF NONTRAUMATIC PEDIATRIC INTRACEREBRAL HEMORRHAGE

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Poster: EDU-093

IMAGING THE "PECULIAR" HEAD SHAPE

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Poster: EDU-094

DEVELOPMENT AND MYELINATION OF THE FETAL AND POSTNATAL BRAIN, AN INTERACTIVE PICTORIAL REVIEW OF COMBINED MRI, ANATOMICAL AND HISTOPATHOLOGICAL ANALYSIS

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Poster: EDU-095

LOOKING INTO THE HARLEQUIN EYES: A PICTORIAL REVIEW OF CRANIOSYNOSTOSIS AND ITS MANAGEMENT

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Poster: EDU-096

CEREBROSPINAL FLUID SHUNT COMPLICATIONS IN CHILDREN: A PICTORIAL REVIEW

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Poster: EDU-097

IMAGING OF OCULAR AND OPTIC NERVE TRAUMA IN CHILDREN

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Poster: EDU-098

NEUROIMAGING OF NEONATAL STROKE: CLASSIFICATION AND IMAGING FINDINGS

Jacopo Scaggiante, Milad Yazdani, Manuel Trevino, Maria Gisele Matheus,
Maria Vittoria Spampinato
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Poster: EDU-099

EYES ON ORBIT: A RADIOLOGICAL REVIEW OF THE MAIN PEDIATRIC ORBITAL LESIONS

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Poster: EDU-100

PAEDIATRIC CEREBRAL CAVERNOUS MALFORMATIONS

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Poster: EDU-101

IMPORTANCE OF FLEXION AND EXTENSION MRI IN HIRAYAMA DISEASE

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Poster: EDU-102

IMAGING OF PATHOLOGIES OF VISUAL PATHWAY

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Poster: EDU-103

PEDIATRIC CLINICAL MAGNETIC RESONANCE ELASTOGRAPHY OF THE BRAIN: A PRIMER FOR RADIOLOGISTS

Rahul Nikam ¹, Grace Mcilvain ², Vinay Kandula ¹, Xuyi Yue ¹, Gurcharanjeet Kaur ¹, Lauren Averill ¹, Arabinda Choudhary ³, Curtis Johnson ²

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Poster: EDU-104

DEEP GRAY MATTER PATHOLOGIES: A PATTERN-BASED APPROACH. WHAT THE PEDIATRIC RADIOLOGIST NEEDS TO KNOW

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Poster: EDU-107

NEUROIMAGING OF HMGCOA LYASE DEFICIENCY: CASE SERIES AND REVIEW OF LITERATURE

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Poster: EDU-108

A RADIOLOGIC PATHOLOGIC PICTORIAL REVIEW OF MEDULLOBLASTOMA SUBGROUPS BASED ON THE REVISED 2016 WHO CLASSIFICATION – AN IRISH PERSPECTIVE

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Poster: EDU-109

TO LEAVE OR NOT TO LEAVE ALONE – IMAGING APPROACH TO PETROUS APEX LESIONS IN CHILDREN

Neetika Gupta ¹, Shivaprakash Hiremath ², Santanu Chakraborty ², Claudia Martinez Rios ¹, Elka Miller ¹

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Poster: EDU-110

NEUROIMAGING FINDINGS IN MAPLE SYRUP URINE DISEASE-EXPERIENCE IN A TERTIARY REFERRAL CENTRE

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Poster: EDU-111

PEDIATRIC NON-TRAUMATIC INTRACRANIAL HEMORRHAGE: WHAT RADIOLOGIST NEED TO LOOK FOR?

Alessia Carboni ¹, Antonio Marrazzo ¹, Emma Gangemi ², Ioan Paul Voicu ³, Maria Luisa D'Andrea ⁴, Andrea Carai ⁵, Angela Mastronuzzi ⁶, Carlo Gandolfo ¹, Paolo Tomà ⁴, G. Stefania Colafati ¹

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Poster: EDU-112

ORBITAL LESIONS IN PEDIATRICS- A RADIOLOGIST'S PRIMER

Hiral Banker, Preet Sandhu

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Poster: EDU-113

ANOMALIES OF THE CORPUS CALLOSUM: AN MR ANALYSIS OF THE SPECTRUM OF ASSOCIATED MALFORMATIONS

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Poster: EDU-114

NEONATAL THYROID IMAGING DOESN'T HAVE TO BE A PAIN IN THE NECK!

Aisling Fagan, Simon Clifford, Fern Whittam, David Garbera, Sai Elegiti, Marina Easty, Lorenzo Biassoni

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Poster: EDU-115

HYBRID ONCOLOGIC IMAGING IN PAEDIATRIC RADIOLOGY: ADVANTAGES OF I123 MIBG SPECT/CT IN NEUROBLASTOMA

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Poster: EDU-116

BENIGN VERSUS MALIGNANT? UNUSUAL VASCULAR MASSES IN CHILDREN

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Poster: EDU-117

IMAGING OF PAEDIATRIC VENO-OCCLUSIVE DISEASE

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SCIENTIFIC POSTER

Poster: SCI-001

PEDIATRIC BODY COMPOSITION: REFERENCE VALUES FOR L3 MUSCLE AND FAT AREAS USING AUTOMATIC SEGMENTATION

Atia Samim ¹, Suzanne Spijkers ¹, Pim Moeskops ^{1,3}, Annemieke S. Littooi ^{1,2}, Bob D. De Vos ^{3,4}, Wouter B. Veldhuis ^{1,3}, Pim A. De Jong ¹, Hanneke M. Van Santen ^{1,2}, Rutger A. J. Nieuvelstein ^{1,2}

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Poster: SCI-002

WRONG EXAM, WRONG PATIENT: REPORTING AND TRACKING OF ERRORS AND NEAR MISSES IN GENERAL PEDIATRIC RADIOLOGY

Lynne Ruess, Rebecca Shaffer, Lauren Mack, Julee Eing, Tamara Viggiano,

Rajesh Krishnamurthy

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Poster: SCI-003

IMPLEMENTING ACADEMIC PRODUCTIVITY OF RESEARCH USING MACHINE LEARNING IN A SYSTEM DYNAMICS MODEL

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Poster: SCI-004

SYNTHESIZING CONTRAST ENHANCEMENT FROM NON-CONTRAST CHEST COMPUTED TOMOGRAPHY USING A GENERATIVE ADVERSARIAL NETWORK

Yeon Jin Cho, Jae Won Choi, Seul Bi Lee, Seunghyun Lee, Young Hun Choi, Jung-Eun Cheon, Woo Sun Kim

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Poster: SCI-005

EVALUATION OF USEFULNESS OF REAL-TIME, DEEP LEARNING BASED DENOISING TECHNIQUE INTEGRATED INTO PACS : IMAGE QUALITY AND USER PREFERENCE

Yeon Jin Cho, Dae Hee Kim, Seul Bi Lee, Seunghyun Lee, Younghun Choi, Jung-Eun Cheon, Woo Sun Kim, Jong-Hyo Kim

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Poster: SCI-006

IMAGE GENTLY FAMILY FRIENDLY CAMPAIGN: REDUCING CHILDHOOD RADIATION EXPOSURE THROUGH AN INNOVATIVE EDUCATION MODULE

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Poster: SCI-007

DEVELOPMENT OF AN IMAGING BASED INTEGRATED SIMULATOR PROGRAM (ISP) TO PROVIDE A MEANS FOR ON-GOING PEDIATRIC RESIDENT COMPETENCY ASSESSMENT AND DETERMINATION OF ABILITY TO PROVIDE INDEPENDENT CALL

Denise A Castro ¹, Joseph Yang ², Tin Li ¹, Saleha Munawar ¹, Amy Acker ¹, Don Soboleski ¹

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Poster: SCI-010

ANALYSIS OF RADIOLOGY QIS INFRASTRUCTURE RESPONSE TO THE COVID PANDEMIC: LESSONS FOR THE FUTURE

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Poster: SCI-011

TRAINING A PEDIATRIC RADIOLOGIST MUST LOOK BEYOND CONVENTIONAL METRICS TO FOCUS ON DEVELOPMENT OF HEALTHY PROFESSIONAL IDENTITY

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Poster: SCI-012

SOCIETY FOR PEDIATRIC RADIOLOGY FELLOWSHIP SURVEY - A FOCUS ON WHAT'S BEHIND OUR CAREER CHOICE

Syed Hussaini, Maria Velez-Florez, Janet Reid
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Poster: SCI-013

PATIENT FEEDBACK IN PEDIATRIC RADIOLOGY - A PERFORMANCE ANALYSIS

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Poster: SCI-014

TWO-DIMENSIONAL (2D) SHAPE-FEATURES CAN QUANTIFY THE SEVERITY OF LIVER DISEASE IN CHILDREN WITH AUTOSOMAL RECESSIVE POLYCYSTIC KIDNEY DISEASE (ARPKD) ASSOCIATED CONGENITAL HEPATIC FIBROSIS (CHF)

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Poster: SCI-015

PREDICTORS OF PEDIATRIC RADIOLOGY EXAM ORDER AND COMPLETION DURING THE COVID-19 PANDEMIC

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Poster: SCI-016

EVALUATION OF INTER-READER REPRODUCIBILITY FOR DETECTION AND LABELING OF PEDIATRIC RIB FRACTURES ON RADIOGRAPHS

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Poster: SCI-017

DO THE "EYES HAVE IT"? "SEEING" PEDIATRIC CT PERFORMANCE IMPROVEMENT OPPORTUNITIES THROUGH AN AUTOMATED QUALITY AND RADIATION DOSE TOOL

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Poster: SCI-018

TOWARDS IMPLEMENTATION OF UNSUPERVISED LESION DETECTION OF PEDIATRIC CANCER WITH WHOLE BODY MRI SCREENING BY INCORPORATION OF 3D CONTEXT

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Poster: SCI-019

RIB FRACTURE DETECTION IN PEDIATRIC RADIOGRAPHS VIA DEEP CONVOLUTIONAL NEURAL NETWORKS

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Poster: SCI-020

ESTABLISHING A WHOLE BODY MRI REPOSITORY FOR CHRONIC NON-BACTERIAL OSTEOMYELITIS (CNO)

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Poster: SCI-021

PERFORMANCE OF DEEP LEARNING MODEL USING ENSEMBLE METHOD FOR PEDIATRIC BONE AGE ASSESSMENT

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Poster: SCI-024

RIGHT CIRCUMFLEX AORTA AND AORTIC COARCTATION IN AN INFANT: A CASE REPORT

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Poster: SCI-025

KAWASAKI DISEASE AND PAEDIATRIC INFLAMMATORY MULTISYSTEM SYNDROME: TEMPORALLY ASSOCIATED WITH SARS-COV-2 (PIMS-TS) – RARE CAUSES OF PAEDIATRIC CORONARY ARTERY ANEURYSMS: TWO CASE REPORTS USING CTCA

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Poster: SCI-026

ROLE OF ULTRA HIGH PITCH FAST CT ANGIOGRAPHY IN IMAGING POST-OPERATIVE CONGENITAL HEART DISEASE

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Poster: SCI-028

CONTRAST PROTOCOL OPTIMISATION IN FONTAN CIRCULATION COMPUTED TOMOGRAPHY PULMONARY ANGIOGRAPHY.

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Poster: SCI-029

INFRACARDIAC TYPE TOTAL ANOMALOUS PULMONARY VENOUS RETURN: CASE REPORT OF THE RARE CONGENITAL CARDIAC ANOMALY

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Poster: SCI-030

DUAL-ENERGY CT EVALUATION OF PEDIATRIC THORACIC DISORDERS: CLINICAL APPLICATIONS WITH EMPHASIS ON UP-TO-DATE PRACTICAL TECHNIQUES AND ADDED DIAGNOSTIC VALUE

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Poster: SCI-031

INVESTIGATING CONGENITAL LUNG LESIONS IN INFANTS; AUDIT OF CT PROTOCOL AND DOSE

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Poster: SCI-032

HIGH-RESOLUTION CT FINDINGS IN CHILDREN WITH NON-SPECIFIC INTERSTITIAL PNEUMONIA

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Poster: SCI-033

CONGENITAL THORACIC ABNORMALITIES: INTERESTING CASES FROM A TERTIARY PAEDIATRIC CENTRE

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Poster: SCI-034

ASSESSMENT OF LUNG DENSITY IN PEDIATRIC PATIENTS USING ZERO ECHO-TIME AND ULTRASHORT ECHO-TIME SEQUENCES

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Poster: SCI-035

RADIOGRAPHIC SEQUEL OF A NEWBORN DIED BY COVID-19 INFECTION

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Poster: SCI-036

IMAGE QUALITY OF DSCT WITH HIGH-PITCH SPIRAL SCAN MODE (TURBO FLASH SPIRAL MODE) WITH OR WITHOUT GENERAL ANESTHESIA: CTA EVALUATION OF CONGENITAL THORACIC DISORDERS IN INFANTS AND YOUNG CHILDREN

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Poster: SCI-037

AN X-RAY SCORE TO DESCRIBE EVOLVING BRONCHOPULMONARY DYSPLASIA (BPD) IN PRETERM BABOONS

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Poster: SCI-038

TENSION GASTROTHORAX MASQUERADING AS TENSION PNEUMOTHORAX IN A CHILD

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Poster: SCI-039

RALE RADIOGRAPHIC SCORING IN PEDIATRIC ACUTE RESPIRATORY DISEASE SYNDROME (PARDS)

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Poster: SCI-040

HRCT FINDINGS IN CHILDREN WITH CHRONIC SUPPURATIVE LUNG DISEASE (CSLD) AND P. AERUGINOSA COLONIZATION

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Poster: SCI-041

GRAVES' DISEASE AND THYMIC HYPERPLASIA IN PEDIATRIC PATIENTS

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Poster: SCI-042

FREQUENCY OF CHEST RADIOGRAPHIC FINDINGS IN PEDIATRIC COVID-19 POSITIVE PATIENTS

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Poster: SCI-043

LUNG DENSITY ASSESSMENT OF PULMONARY DISEASE IN CYSTIC FIBROSIS WITH COMPUTED TOMOGRAPHY SCANS

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Poster: SCI-044

TRAUMATIC PNEUMATOCELE IN NONACCIDENTAL TRAUMA

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Poster: SCI-045

ENDOTRACHEAL AND INTRAOSSEOUS VASCULAR LINE PLACEMENTS IN PEDIATRIC EMERGENCY CARE: A REVIEW BASED UPON POSTMORTEM COMPUTED TOMOGRAPHY

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Poster: SCI-046

REVIEW OF INTER-CENTRE VARIATION BETWEEN UK PAEDIATRIC CYSTIC FIBROSIS CENTRES IN THEIR APPROACH TO ANNUAL ASSESSMENT A DONNELLY, A REID AND A PATERSON ROYAL BELFAST HOSPITAL FOR SICK CHILDREN BELF

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Poster: SCI-047

UNUSUAL LESION OF THE MEDIASTINUM: LANGERHANS CELL HISTIOCYTOSIS

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Poster: SCI-048

CALCIFYING FIBROUS PSEUDOTUMOR OF THE MEDIASTINUM: A RARE CASE REPORT

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Poster: SCI-049

ECTOPIC THYROID AND THYMUS TISSUE AT THE SUBMANDIBULAR REGION IN A PRE-SCHOOL MALE PATIENT

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Poster: SCI-050

DISSEMINATED HYDATID CYST DISEASE

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Poster: SCI-051

RESPONSE OF THE MEDIASTINAL INFLAMMATORY PSEUDOTUMOR TO THE MEDICAL TREATMENT

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Poster: SCI-052

RADIOLOGICAL FINDINGS OF PULMONARY CHRONIC GRANULOMATOUS DISEASE IN AN ADOLESCENT MALE PATIENT

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Poster: SCI-053

CLASSIFICATION OF PEDIATRIC CYSTIC AND CAVITATORY LESION IN LUNG USING COMPUTED TOMOGRAPHY AND ULTRASONOGRAPHY

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Poster: SCI-054

THE DIAGNOSTIC PERFORMANCE OF CHEST COMPUTED TOMOGRAPHY IN THE DETECTION OF RIB FRACTURES IN CHILDREN INVESTIGATED FOR SUSPECTED PHYSICAL ABUSE: A SYSTEMATIC REVIEW AND META-ANALYSIS

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Poster: SCI-055

CONTRAST-ENHANCED ULTRASOUND (CEUS) IN PEDIATRIC RADIOLOGY: WHERE WE ARE AND WHERE WE GO?

Luca Basso ¹, Fiammetta Sertorio ¹, Elena Arkhangelskaya ¹, Francesca Rizzo ¹, Elisabetta Vignale ¹, Francesco Pasetti ¹, Nicola Stagnaro ¹, Marta Pongiglione ¹, Maura Valle ¹, Francesca Magnaguagno ¹, Elena Aleo ¹, Valentina Prono ¹, Anna Marzoli ¹, Francesca Nardi ¹, Lorenzo Anfigeno ², Silvia Pamparino ², Martina Fiannacca ², Sara Perissi ², Marcello Carlucci ³, Stefano Avanzini ³, Michela Wong ³, Luca Pio ³, Girolamo Mattioli ³, Giorgio Piaggio ⁴, Marialudovica Degl'innocenti ⁴, Gian Marco Ghiggeri ⁴, Emanuela Piccotti ⁵, Andrea Moscatelli ⁶, Maria Beatrice Damasio ¹

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Poster: SCI-056

WHEN LIFE DOES NOT GIVE YOU LEMONS...

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Poster: SCI-057

DETECTION OF SOFT TISSUE FOREIGN BODIES IN CHILDREN USING ULTRASONOGRAPHY

Alexander Sheeka, Richard Jenkins, Stacey Castle, Sufi Sadigh
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Poster: SCI-058

THE PEDIATRIC OVERNIGHT CALL CONUNDRUM: OPTIMIZING EXPERTISE AND DECREASING BURNOUT

Michael Frazier, Christina Cinelli, Jennifer Talmadge
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Poster: SCI-059

PLUNGING RANULA IN CHILDREN: DIAGNOSIS BY CROSS-SECTIONAL IMAGING

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Poster: SCI-060

OPTIMIZING UTILIZATION OF ULTRASOUND, MRI, AND PLAIN FILM USE IN PEDIATRIC SICKLE CELL PATIENTS

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Poster: SCI-061

HANDS-ON ULTRASOUND TRAINING FOR RADIOLOGY RESIDENTS: THE IMPACT OF AN ULTRASOUND SCANNING CURRICULUM

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Poster: SCI-062

THE IMPACT OF INTEGRATING RADIOLOGY DIDACTICS IN CLERKSHIP CURRICULA

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Poster: SCI-063

PRESENTATION TO PUBLICATION REVISITED: TRENDS IN PUBLICATION RATE OF ORAL PRESENTATIONS FROM ESPR, SPR, AND IPR

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Poster: SCI-064

IMPACT OF COVID-19 PANDEMIC ON MRI OPERATIONS AND ACCESS: A DICOM-HEADER DATA ANALYTICS APPROACH

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Poster: SCI-065

FELLOW-DRIVEN VIRTUAL EDUCATION DURING A PANDEMIC: A PILOT PROJECT

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Poster: SCI-066

INTRODUCING AND INTEGRATING MINDFULNESS WITHIN THE RADIOLOGY RESIDENCY EDUCATION

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Poster: SCI-067

USELESS AND LIMITS OF POST MORTEM COMPUTER TOMOGRAPHY (PMCT) IN A CASE OF INFANT MURDER IN A PRETERM.

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Poster: SCI-068

UTILIZATION OF POSTMORTEM IMAGING IN NORTH AMERICA

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Poster: SCI-069

THE PANDEMIC'S EFFECT ON RESIDENT PEDIATRIC RADIOLOGY EDUCATION AS MEASURED BY INDEPENDENT CALL PERFORMANCE

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Poster: SCI-070

CONGENITAL IMMATURE TERATOMA OF THE THYROID: A MULTIMODAL IMAGING APPROACH

Jose Maria Ulloa-Gonzalez ¹, Abraham Reynoso-Topete ¹, Monica Hassel Gomez-Sahagun ², Eva Maria Alba-Garcia ², Gonzalo Ramos-Rubio ³, Claudia Mendoza-Cerpa ³

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Poster: SCI-071

FETAL THROMBOSIS OF THE TORCULAR HEROPHILI

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Poster: SCI-072

PRENATAL IMAGING OF CONGENITAL EPULIS

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Poster: SCI-073

RETROSPECTIVE MOTION CORRECTION IN FETAL MRI: HOW TO IMAGE A MOVING TARGET

Fedel Machado Rivas, Clemente Velasco-Annis, Onur Afacan, Simon K. Warfield, Ali Gholipour, Camilo Jaimes

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Poster: SCI-074

CASE REPORT OF ZELLWEGER SYNDROME DIAGNOSED BY FETAL MRI

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FETAL MR IMAGING OF CRANIOPAGUS

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Poster: SCI-076

DURAL SINUS MALFORMATION: A CASE SERIES WITH A FOCUS ON FETAL IMAGING

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Poster: SCI-077

ASSESSMENT OF MEDIASTINAL SHIFT ANGLE IN CONGENITAL PULMONARY AIRWAY MALFORMATION: A NEW FETAL MRI INDICATOR OF CONGENITAL LUNG DISEASE

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INVESTIGATION OF MRI CRITERIA DETERMINING THE RISK OF MAJOR POSTPARTUM HEMORRHAGE IN PATIENTS WITH PLACENTA ACCRETA SPECTRUM AND PLACENTA PREVIA

Elena Semenova, Polina Kozlova, Irina Mashchenko, Elena Vyshedkevich, Gennadiy Trufanov

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Poster: SCI-079

THREE FOETUSES WITH MOLAR TOOTH SIGN IN MRI

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Poster: SCI-080

THREE MRI CASES OF FOETUSES WITH SEVERE VENTRICULOMEGALY AND DIENCEPHALIC-MESENEPHALIC JUNCTION DYSPLASIA

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Poster: SCI-081

MRI CONTRIBUTION TO THE PRENATAL DIAGNOSIS OF THE MOST FREQUENT CONGENITAL VASCULAR ANOMALIES: LYMPHATIC MALFORMATIONS AND CONGENITAL HEMANGIOMAS

Laurence Crivelli ¹, Anne-Elodie Millischer ², Pascale Sonigo ², David Grévent ², Sylviane Hanquinet ³, Yvan Vial ¹, Leonor Alamo ¹

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3D PRINTED TRAINING SIMULATION FOR PEDIATRIC UPPER GI FLUOROSCOPY

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Poster: SCI-083

THE MECKEL'S DIVERTICULUM AND ITS COMPLICATIONS - PICTORIAL REVIEW OF IMAGING FINDINGS

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Poster: SCI-085

COLORECTAL DUPLICATION: A RARE CASE WITH RADIOLOGICAL AND SURGICAL CORRELATION

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IMAGING "TWISTS" IN VOLVULUS AROUND MECKEL'S DIVERTICULUM - A CASE SERIES INCLUDING US, CT AND MRI WITH DWI

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Poster: SCI-087

NEW SONOGRAPHIC SIGNS IN NEONATES WITH NECROTIZING ENTEROCOLITIS

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Poster: SCI-088

THE SPECTRUM OF IMAGING FINDINGS IN PIMS-TS (MIS-C) PRESENTING AS AN ACUTE ABDOMEN TO A TERTIARY PAEDIATRIC HOSPITAL

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Poster: SCI-089

PAEDIATRIC SPLENIC LESIONS - A CASE SERIES FROM A BUSY LONDON HOSPITAL

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Poster: SCI-090

PANCREATIC PSEUDOPAPILLARY TUMOR: A CASE REPORT

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Poster: SCI-091

UNUSUAL CYSTIC LESIONS IN THE PEDIATRIC ABDOMEN AND PELVIS: HOW COMMON IS UNCOMMON

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THE ASSESSMENT OF MRE IN PAEDIATRIC PATIENTS WITH CLINICAL SYMPTOMS SUGGESTING CROHN'S DISEASE

Monika Zbroja ¹, Maryla Kuczynska ³, Weronika Cyranka ¹, Karolina Siejka ², Małgorzata Nowakowska ², Magdalena Grzegorzczak ², Monika Piekarska ², Agnieszka Brodzisz ⁴, Magdalena Wozniak ⁴

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A REVIEW OF THE SPECTRUM OF INCIDENTAL FOCAL LIVER LESIONS REFERRED TO A TERTIARY REFERRAL PAEDIATRIC HEPATOBILIARY UNIT

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Poster: SCI-094

DIAGNOSTIC EFFICIENCY OF ULTRASOUND FOR INTESTINAL MALROTATION IN INFANTS: EXPERIENCE FROM A TERTIARY CHILDREN'S HOSPITAL

Makhethe Vuma ¹, Luis Octavio Tierradentro-García ¹, Rebecca Dennis ¹, Asef Khwaja ¹, Alireza Zandifar ¹, Kassa Darge ¹, Sudha Anupindi ¹, Thane A. Blinman ², Misun Hwang ¹

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DIAGNOSING MIDGUT VOLVULUS IN INFANTS

Luis Octavio Tierradentro-García ¹, Rebecca Dennis ¹, Asef Khwaja ¹, Makhethe Vuma ¹, Alireza Zandifar ¹, Kassa Darge ¹, Sudha Anupindi ¹, Thane A. Blinman ², Misun Hwang ¹

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Poster: SCI-096

MAKING INTUSSUSCEPTION REDUCTIONS EASIER: USE OF MEDICAL AIR IN LIEU OF MANUAL PUMP IPR 2021

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Poster: SCI-097

LIMITED RANGE CT FOR RADIATION REDUCTION IN CHILDREN WITH SUSPECTED APPENDICITIS

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UTILIZATION OF ABDOMINAL ULTRASOUND AND MOST COMMON SONOGRAPHIC FEATURES OF ACUTE PANCREATITIS IN PEDIATRIC PATIENTS

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IMAGING EVALUATION FOR G-TUBE COMPLICATIONS IN THE PEDIATRIC ED: FLUOROSCOPY VS TWO-VIEW RADIOGRAPHS

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Poster: SCI-100

WHERE'S THE APPENDIX? CONTRIBUTING FACTORS FOR VISUALISATION OF THE APPENDIX ON ULTRASOUND IN THE PAEDIATRIC POPULATION

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Poster: SCI-101

ATTENUATION COEFFICIENT MEASUREMENT USING HIGH FREQUENCY TRANSDUCER FOR SMALL CHILDREN

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Poster: SCI-102

THE SIGNIFICANCE OF INTRAMURAL AND INTRALUMINAL CALCIFICATION OF THE INTESTINE ON SONOGRAPHY IN NEONATES WITH CONGENITAL INTESTINAL OBSTRUCTION

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ATTENUATION COEFFICIENT MEASUREMENT USING HIGH FREQUENCY TRANSDUCER FOR CHILDREN WITH FATTY LIVER

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Poster: SCI-104

TITLE: ESTABLISHMENT OF LOCAL DIAGNOSTIC REFERENCE LEVELS OF PEDIATRIC ABDOMINOPELVIC AND CHEST CT EXAMINATIONS BASED ON BODY WEIGHT AND SIZE IN SOUTH KOREA

Jae-Yeon Hwang ¹, Young Hun Choi ², Hee Mang Yoon ³, Young Jin Ryu ⁴, Hyun Joo Shin ⁵, Hyun Gi Kim ⁶, So Mi Lee ⁷, Sun Kyung You ⁸, Ji Eun Park ⁹

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UTILITY OF COMPUTED TOMOGRAPHY FOR EVALUATION OF SMALL BOWEL ROTATION

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Poster: SCI-106

SENSITIVITY OF CONTRAST-ENHANCED ULTRASOUND VERSUS CT IN DETECTION OF SOLID ORGAN INJURIES FROM BLUNT ABDOMINAL TRAUMA IN YOUNG CHILDREN

M. Katherine Henry ¹, Joanne N. Wood ², Aaron E. Chen ², Kassa Darge ¹, Teniola Egbe ³, Mohamed Elsingerly ¹, Victor Ho-Fung ¹, Summer Kaplan ¹, Jenny Y. Kloss ⁴, Michael L. Nance ⁴, Philip V. Scribano ², Susan J. Back ¹

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ASSESSING THE VALUE OF A COMBINED MR ENTEROGRAPHY-PERIANAL MRI PROTOCOL IN THE EVALUATION OF SMALL BOWEL AND PERIANAL DISEASE IN PEDIATRIC CROHN'S DISEASE PATIENTS

Samantha Harrington, Gary Wang, Katherine Nimkin, Michael Gee
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UTILIZATION OF EOS IMAGING FOR EVALUATION OF BOWEL MANAGEMENT AND RADIATION DOSE REDUCTION

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DIAGNOSTIC PERFORMANCE OF ULTRASOUND HEPATORENAL INDEX AS A QUANTITATIVE MEASURE OF PEDIATRIC FATTY LIVER DISEASE AND COMPARISON TO FIVE HUMAN RADIOLOGISTS

Michael Frankland ¹, Jonathan Dillman ², Christopher Anton ², Brian Coley ², Michael Nasser ², Sara O'hara ², Yinan Li ², Andrew Trout ²

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FREQUENCY OF DUODENAL ANATOMICAL VARIANTS IN NEONATAL AND PEDIATRIC UPPER GASTROINTESTINAL TRACT SERIES (UGI) AND THE INFLUENCE OF EXAM QUALITY ON DIAGNOSTIC REPORTING

Mohamed Elsingerly, Juan S. Calle Toro, Rebecca Dennis, Daphine Grassi, Hansel Otero, Savvas Andronikou

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Poster: SCI-111

FACTORS AFFECTING THE SUCCESS OF AIR ENEMA REDUCTION OF INTUSSUSCEPTION IN CHILDREN. WHAT STARTING PRESSURE?

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Poster: SCI-112

IS ORAL CONTRAST BENEFICIAL FOR VISUALIZATION OF THE APPENDIX IN LOW-WEIGHT CHILDREN?

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REFERENCE RANGES OF AGE-BASED LIVER, SPLEEN, PANCREAS AND KIDNEY SIZE IN CHILDREN IN CONJUNCTION WITH WAIST CIRCUMFERENCE

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ABDOMINAL IMAGING FINDINGS OF BASIDIOMYCOSES IN CHILDREN

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CONGENITAL VITELLINE BAND CAUSING INTESTINAL OBSTRUCTION IN A 15 YEAR OLD BOY - A DIAGNOSTIC CHALLENGE FOR HIGH-FREQUENCY SONOGRAPHY

Eleni Koutrouveli ¹, Rodanthi Sfakiotaki ¹, Irene Vraka ¹, Marina Vakaki ¹, Georgios Daniil ², Anna Chountala ¹, Chrysoula Koumanidou ¹

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Poster: SCI-116

SPATIAL ENTROPY OF THE LIVER IN SICKLE CELL DISEASE PEDIATRIC PATIENTS: A HIGHER SPATIAL RESOLUTION SURROGATE TO T2*-BASED LIC MEASURES

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Poster: SCI-117

FOLLOW-UP ULTRASONOGRAPHIC FINDINGS AMONG CHILDREN WITH UNCOMPLICATED, ACUTE APPENDICITIS, MANAGED CONSERVATIVELY

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SONOGRAPHIC FINDINGS OF COMPLICATED AMYAND'S HERNIA IN A NEONATE. A SCROTAL ABSCESS WITH A RARE CAUSE THAT WE SHOULD BE AWARE OF

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CAN SONOGRAPHIC ABDOMINAL FINDINGS COMPLETE THE CRITERIA FOR THE DIAGNOSIS OF MIS-C? A NON-SPECIFIC IMAGE THAT DEVELOPS INTO A PATTERN

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NON-INVASIVE BIOMARKERS OF NAFLD IN ASYMPTOMATIC SCHOOL-AGED VOLUNTEERS

Maria Raissaki ¹, Stavros Charalambous ¹, Georgios Kalaitzakis ¹, Marina Vafeiadi ², Katerina Margetaki ², Theano Roumeliotaki ², Nikos Stratakis ³, Leda Chatzi ³, Thomas G. Maris ¹

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REDUCING RADIOGRAPHS AFTER CROSS-SECTIONAL IMAGING IN PEDIATRIC TRAUMA TO REDUCE RADIATION EXPOSURE

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Poster: SCI-122

SHOULD POSTNATAL ULTRASOUND BE PERFORMED WHEN ISOLATED ECHOGENIC BOWEL HAS BEEN REPORTED ON THE ANTENATAL ULTRASOUND?

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AN OBSERVATION OF UPPER GI CONTRAST STUDIES IN 3 IRISH PAEDIATRIC HOSPITALS DURING THE COVID-19 PANDEMIC IN IRELAND

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Poster: SCI-125

DETERMINING ACUTE APPENDICITIS IN PEDIATRIC PATIENTS: COMPARING RISK PREDICTABILITY AMONG CLINICAL ASSESSMENT SCORES AND DIAGNOSTIC IMAGING

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MAGNET INGESTION IN THE PAEDIATRIC POPULATION – OUR EXPERIENCE IN ALDER HEY CHILDREN'S HOSPITAL

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Poster: SCI-127

RECTOURETHRAL FISTULA IN ANORECTAL MALFORMATIONS: AN AUSTRALIAN PERSPECTIVE ON PREVALENCE AND DETECTION ON MEDICAL IMAGING

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DIAGNOSTIC ACCURACY OF INCREASED LIVER ECHOGENICITY AS A MARKER FOR STEATOSIS IN CHILDHOOD OBESITY

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AUTOIMMUNE PANCREATITIS IN PEDIATRIC GROUP

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INTER-RADIOLOGIST VARIABILITY IN REPORTING SONOGRAPHIC MEASUREMENTS OF THE PEDIATRIC LIVER: A CONUNDRUM OF HEPATOMEGALY PROPORTIONS

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Poster: SCI-131

PRIMARY ADRENAL SCHWANNOMA

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Poster: SCI-132

UNUSUAL IMAGING PRESENTATION OF WOLMAN DISEASE

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Poster: SCI-133

IMAGING APPROACH TO SUSPECTED FOREIGN BODY INGESTION IN CHILDREN

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Poster: SCI-134

OVARIAN TORSIONS IN CHILDREN

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Poster: SCI-135

PELVIC PAIN IN FEMALE CHILDREN AND ADOLESCENTS: NOT JUST APPENDICITIS

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THE IMAGING APPEARANCE OF RARE-EARTH NEODYMIUM MAGNETS

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A CASE OF SERTOLI-LEYDIG CELL TUMOR WITH INTRA-ABDOMINAL RECURRENCE IN A PATIENT WITH A DICER1 GENE MUTATION

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ROLE OF RI OF INTRA-RENAL ARTERIES IN CONGENITAL HYDRONEPHROSIS

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OVARIAN CYSTIC LESIONS IN FEMALE PEDIATRIC POPULATION: LOCAL TERTIARY CENTER EXPERIENCE

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THE MORE WE BECOME FAMILIAR WITH THE NUTCRACKER SYNDROME, THE MORE WE ADD SONOGRAPHIC DIAGNOSTIC CLUES

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CORRELATION OF ECHOGENICITY OF THE RENAL MEDULLA TO RENAL FUNCTION TESTS IN CHILDREN WITH SICKLE CELL DISEASE

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COMPARISON STUDY OF REAL-TIME CONTRAST-ENHANCED VOIDING ULTRASONOGRAPHY WITH DMSA RENAL SCAN IN CHILDREN

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NOVEL USE OF CONTRAST-ENHANCED MAGNETIC RESONANCE MICTURATING CYSTOURETHROGRAM IN DEPICTING ANO-URETHRAL FISTULA IN A PEDIATRIC PATIENT

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INTEROBSERVER AGREEMENT IN DIAGNOSTIC IMAGING IN EVALUATION OF CONGENITAL FEMALE GENITAL TRACT ANOMALIES USING ESHRE/ESGE CLASSIFICATION

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IMAGING FINDINGS IN 46 XY DISORDERS OF SEXUAL DEVELOPMENT

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VIABILITY OF CONTRAST ENHANCED VOIDING UROSONOGRAPHY AS AN ALTERNATIVE TO FLUOROSCOPY FOR URODYNAMICS

Nicole Kapral, Reza Daugherty

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DYNAMIC CONTRAST ENHANCED ULTRASOUND (DYN-CEUS) FOR ANALYZING OVARIAN MASSES IN CHILDREN AND ADOLESCENTS

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UTERINE ADENOMYOSIS IN AN ADOLESCENT GIRL

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LENGTH OF BOWEL REST DOES NOT PREDICT RISK FOR GASTROJEJUNOSTOMY RELATED INTUSSUSCEPTION RECURRENCE

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PRESURGICAL ENDOVASCULAR EMBOLIZATION OF GIANT PEDIATRIC MENINGIOMA: CASE REPORT

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LARGE PORTAL VENOUS PSEUDOANEURYSM IN A PEDIATRIC LIVER TRANSPLANT PATIENT WITH SUCCESSFUL CLOSURE USING A BALLOON EXPANDABLE COVERED STENT

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IMAGING AND MANAGEMENT OF PAEDIATRIC ARTERIOVENOUS MALFORMATION – AN INTERVENTIONAL RADIOLOGICAL PERSPECTIVE

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PERCUTANEOUS CRYOABLATION FOR THE TREATMENT OF PRIMARY AND RECURRENT PEDIATRIC AND ADOLESCENT CHONDROBLASTOMA

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WHEN CROHN'S COMES TO RADIOLOGIST: VALUE OF MRE AND US IN CHILDREN

Monika Piekarska ¹, Maryla Kuczynska ¹, Malgorzata Nowakowska ¹, Karolina Siejka ¹,
Magdalena Grzegorzczak ¹, Monika Zbroja ¹, Weronika Cyranka ¹, Agnieszka Brodzisz ²,
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PERCUTANEOUS, IMAGE-GUIDED TREATMENT OF ANEURYSMAL BONE CYSTS (ABCS): IS THERE A SUPERIOR TREATMENT OPTION?

C. Matthew Hawkins, Anne Gill

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TISSUE SAMPLING IN CHILDREN – THE “PATH” LESS TRAVELLED

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INTRA-ABDOMINAL LYMPHATIC MALFORMATION MANAGEMENT IN LIGHT OF THE UPDATED INTERNATIONAL SOCIETY FOR THE STUDY OF VASCULAR ANOMALIES

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COVID-19 and MIS-C, A Year in Review: Global Contributions of Interventional Radiology to the Care of Pediatric Patients

Tina Sankhla, Morgan Whitmore, Mohammed Loya, Jay Shah

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Poster: SCI-159

LOWER EXTREMITY DEEP VENOUS THROMBOSIS CATHETER-DIRECTED THROMBOLYSIS IN PEDIATRIC PATIENTS: SINGLE-CENTER EXPERIENCE

Jonathon Weber, Nathan Fagan, Manish Patel

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FUSION OF INTRAPROCEDURAL CONE BEAM CT AND PRE-PROCEDURAL MRI IMAGES FOR THE EVALUATION OF COMPLETENESS OF KNEE JOINT VENOUS MALFORMATION EMBOLIZATION

Elena Violari, John Cieslak, Victoria Young, Matthew Lungren, Avnesh Thakor, Shellie Josephs

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ATTEMPTED PLUG EMBOLISATION OF A CONGENITAL PORTOSYSTEMIC SHUNT WITH SUBSEQUENT EMBOLISATION INTO THE PULMONARY ARTERY AND SUCCESSFUL ENDOVASCULAR SNARE RETRIEVAL

Nasim Tahir, Ellen Collingwood, Jai Patel

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ADDED VALUE OF CONTRAST ENHANCED ULTRASOUND (CEUS) IN THE DIAGNOSIS OF SPLENIC ARTERY PSEUDOANEURYSM

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THE CLINICAL USEFULNESS OF THE DYNAMIC-CONTRAST MR LYMPHANGIOGRAPHY: INITIAL EXPERIENCE FOR THE ASSESSMENT OF NON-TRAUMATIC LYMPHATIC ANOMALY

Lee Seunghyun, Hur Saebeom, Yeon Jin Cho, Young Hun Choi, Seul Bi Lee, Jung-Eun Cheon, Woo Sun Kim

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CONE-BEAM COMPUTED TOMOGRAPHY GUIDANCE FOR PEDIATRIC BONE BIOPSIES

Lavi Nissim, Scott Willard, Richard Towbin, David Aria

Phoenix Children's Hospital, Phoenix, USA MINOR OUTLYING ISLANDS

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SINGLE-CENTER, RETROSPECTIVE STUDY OF OUTCOMES IN PEDIATRIC HEREDITARY HEMORRHAGIC TELANGIECTASIA PATIENTS FOLLOWING PULMONARY ARTERIOVENOUS MALFORMATION EMBOLIZATION

Viet Le ¹, Nathan Fagan ¹, Adrienne Hammill ¹, Katie Wusik ¹, Ross Ristagno ², Manish Patel ¹

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ASSESSMENT OF THE SUPERIOR MESENTERIC ARTERY ANGLE IN THE PEDIATRIC GROUP ON COMPUTED TOMOGRAPHY (CT) SCAN: VALUES IN DIFFERENT AGE GROUPS, GENDER AND (BODY MASS INDEX) BMI CATEGORIES

Shaima Aleid, Asrar Alzaher

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PEDIATRIC PALEORADIOLOGY: WHAT IT IS AND WHY WE SHOULD GET INVOLVED

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A PICTORIAL REVIEW OF PAEDIATRIC SOFT TISSUE LESIONS

Alexander Sheeka, Richard Jenkins, Stacey Castle, May-Ai Seah, Joanna Danin
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WHAT SKELETAL IMAGING MODALITY IS BEST FOR ASSESSING BONE HEALTH IN CHILDREN AND YOUNG ADULTS? SYSTEMATIC REVIEW AND META-ANALYSIS

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PEDIATRIC ANTERIOR CRUCIATE LIGAMENT: TEARS AND REPAIRS

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IMAGING OF THE LIMPING CHILD

Georgia Papaioannou, Loukia Tzarouchi, Christina Meleti, Panagiotis Tagalakis, Georgios Manganas, Evaggelia Manopoulou, Spyros Yarmentitis

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IT'S NOT ALWAYS A SUPRACONDYLAR FRACTURE!

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STRUCTURED REPORTING OF SCOLIOSIS IN PEDIATRIC PATIENTS WITH IMAGING OF POST SURGICAL FIXATION HARDWARE AND COMPLICATIONS

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CONGENITAL SYPHILIS- A CASE STUDY

Richard Jenkins, Stacey Castle, Afshin Alavi, Erin Butterworth

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AUTOMATIC DETECTION OF SLIPPED CAPITAL FEMORAL EPIPHYSIS ON PEDIATRIC PELVIC RADIOGRAPHS USING MACHINE LEARNING

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A CASE OF LATE DIAGNOSIS OF X-LINKED HYPOPHOSPHATEMIC RICKETS

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T2 RELAXATION TIME CHANGES IN DISTAL FEMORAL CONDYLAR CARTILAGE IN CHILDREN WITH DISCOID MENISCUS

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IMAGING OF NON-ACCIDENTAL TRAUMA DURING THE BEGINNING OF THE 2020 NOVEL CORONAVIRUS PANDEMIC

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MRI OF THE FOOT: A STEP TOWARDS DEFINING THE EARLY IMAGING FINDINGS IN JUVENILE IDIOPATHIC ARTHRITIS

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WHOLE BODY POST-MORTEM COMPUTED TOMOGRAPHY VERSUS SKELETAL SURVEY IN THE DETECTION OF FRACTURES IN SUSPECTED CASES OF FATAL NON-ACCIDENTAL INJURY

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ARE LATERAL RADIOGRAPHS OF JOINTS HELPFUL IN THE SUSPECTED PHYSICAL ABUSE SKELETAL SURVEY?

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WHAT IS THE EFFECT OF SELECTIVE ULTRASOUND SCREENING ON THE INCIDENCE OF LATE PRESENTATION OF DEVELOPMENTAL HIP DYSPLASIA?

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COMPARISON OF RELIABILITY OF MAGNETIC RESONANCE IMAGING USING CARTILAGE AND T1-WEIGHTED SEQUENCES IN THE ASSESSMENT OF THE CLOSURE OF THE GROWTH PLATES AT THE KNEE

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MYOSONOGRAPHIC PATTERNS IN INFANTILE AND JUVENILE ONSET POMPE DISEASE

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YIELD OF POST-MORTEM SKELETAL SURVEYS IN INFANTS PRESENTING WITH SUDDEN UNEXPECTED DEATH

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CHILD ABUSE IMAGING AND FINDINGS IN THE TIME OF COVID

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FEASIBILITY OF ASSESSING SYSTEMIC OXALOSIS BY MRI

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RELIABILITY OF CONE BEAM CT IN THE ASSESSMENT OF DESTRUCTIVE CHANGE OF THE TEMPOROMANDIBULAR JOINT IN PATIENTS WITH JUVENILE IDIOPATHIC ARTHRITIS (JIA)

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CBCT-BASED MEASUREMENTS OF THE TEMPOROMANDIBULAR JOINT IN PATIENTS WITH JUVENILE IDIOPATHIC ARTHRITIS (JIA)

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DIAGNOSTIC ACCURACY OF 3D ULTRASOUND AND ARTIFICIAL INTELLIGENCE FOR DETECTION OF PEDIATRIC WRIST INJURIES

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A CASE SERIES; IMAGING FINDINGS OF CHRONIC RECURRENT MULTIFOCAL OSTEOMYELITIS

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LONG TERM SEQUELAE OF CHRONIC NONBACTERIAL OSTEOMYELITIS

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SPONTANEOUS CORRECTION OF CONGENITAL ANTEROLATERAL TIBIAL BOWING ASSOCIATED WITH POLYDACTYLY: A CASE REPORT

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TO CT OR NOT TO CT? IMAGING STRATEGY IN BLUNT PAEDIATRIC TRAUMA

Sparsh Prasher, Joshua Taylor Srikrishna Harave

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THE EFFECT OF THE UK LOCKDOWN ON EMERGENCY RADIOLOGY PRACTICE IN A TERTIARY CHILDREN'S HOSPITAL

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MR IMAGING IN PEDIATRIC KNEE LYME ARTHRITIS

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MAGNETIC RESONANCE IMAGING SACROILIAC JOINT SCORING SYSTEM FOR JUVENILE IDIOPATHIC ARTHRITIS: ARE WEIGHTS FOR ITEMS NEEDED? MULTICENTRIC MULTIDISCIPLINARY OMERACT INITIATIVE

Tarimobo Ootobo ¹, Mirkamal Tolend ¹, Sayali Joshi ¹, Michal Znajdek ², Jennifer Stimec ¹, Arthur Meyers ³, Nele Herregods ⁴, Jacob Jaremko ⁵, Lennart Jans ⁴, Shirley Tse ⁶, Marion Van Rossum ⁷, Appenzeller Simone ⁸, Pamela Weiss ⁹, Dax Rumsey ¹⁰, Olympia Papakonstantinou ¹¹, John Carrino ¹², Eva Kirkhus ¹³, Nikolay Tzaribachev ¹⁴, Aloysius Ligha ¹⁵, Emilio Inarejos ¹⁶, Philip Conaghan ¹⁷, Robert Lambert ⁵, Walter Maksymowych ¹⁰, Manuela Perez ¹⁸, Rahim Moineddin ¹⁹, Nigil Haroon ²⁰, Iwona Sudol-Szopinska ², Andrea Doria ¹

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CORRELATING CLINICAL EXAM FINDINGS TO IMAGING FINDINGS FOR NEWBORNS WITH SUSPECTED HIP DYSPLASIA

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3D SCOLIOSIS ANGLE PROVIDED BY RASTER-STEROGRAPHY VERSUS 3D RECONSTRUCTION OF LOW DOSE RADIOGRAPHY (EOS) IN ADOLESCENT IDIOPATHIC SCOLIOSIS: A PRELIMINARY STUDY

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Poster: SCI-203

“STAY HOME, STAY SAFE” - HOW SAFE IS HOME?

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Poster: SCI-204

A REVIEW OF THE EFFECT OF THE SARS-COV-2 PANDEMIC ON PAEDIATRIC TRAUMA IN A MAJOR TRAUMA CENTRE

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REVIEW OF PEDIATRIC HIP ULTRASOUNDS: ARE WE PERFORMING TO NORTH AMERICAN STANDARDS?

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IMPACT OF COVID-19 PANDEMIC ON MUSCULOSKELETAL EXAMINATIONS IN A PAEDIATRIC EMERGENCY RADIOLOGY DEPARTMENT

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Poster: SCI-207

OPTIMIZATION OF ULTRASOUND PLANES FOR ASSESSMENT OF JOINTS OF PATIENTS WITH BLOOD-INDUCED ARTHRITIS: A MULTICENTRIC STUDY

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RADIOLOGIC FEATURES OF SCURVY: A CASE REPORT

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KAPOSIFORM HAEMANGIOENDOTHELIOMA OF THE SPINE WITH FIXED HYPERLORDOTIC DEFORMITY AND KASABACH MERRITT SYNDROME: A RARE ATYPICAL CASE REPORT AND REVIEW OF THE LITERATURE

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PAEDIATRIC HIP ULTRASOUND OF DDH DURING THE COVID-19 PANDEMIC

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HUGE FEMORAL ARTERY PSEUDOANEURYSM AS A SWELLING MASS: CASE REPORT

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PILOMATRIXOMA OF THE MOLAR REGION: A CASE REPORT

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A CASE REPORT ON ENDOCONDRA OSSIFIED THYROID CARTILAGE AS A SUSPICIOUS LESION

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CHRONIC RECURRENT MULTIFOCAL OSTEOMYELITIS (CRMO): RADIOLOGICAL IMAGING FINDINGS OF AN EXTREMELY YOUNGER CHILD

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ENDOCHONDRAL OSSIFICATION OF THE THYROID CARTILAGE

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FIBROUS HAMARTOMA OF INFANCY: MRI FINDINGS IN FOUR CASES

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ASSESSING THE PREVALENCE OF SPINAL INVOLVEMENT IN OUR COHORT OF CHRONIC RECURRENT MULTIFOCAL OSTEOMYELITIS PATIENTS: ARE DEDICATED SPINAL IMAGING SEQUENCES REQUIRED?

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TWO DIFFERENT MRI PATTERNS IN PEDIATRIC PARECHOVIRUS ENCEPHALITIS – FROM THE NEWBORN TO THE ADOLESCENT

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WHEN SKULL GROWTH GOES WILD: A CASE REPORT OF HYPEROSTOSIS CRANIALIS INTERNA

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LARGE POSTERIOR DURAL VENOUS SINUS MALFORMATION: A CONCERNING RARE CONGENITAL INTRACRANIAL VASCULAR MALFORMATION

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PEDIATRIC HIGH-GRADE GLIOMAS - DIFFERENTIATING THE GENETIC SUBTYPES OF HISTONE H3G34 MUTANT, HISTONE H3K27 MUTANT, AND IDH-1 MUTANT TUMORS

Grace Renshaw, Audrey Fazel, Ryan Bruhns, Ben Renshaw, Jeffery Bennett
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CLINICAL AND RADIOLOGIC MANIFESTATIONS OF SMART SYNDROME: A CASE REPORT

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CONGENITAL FACIAL NERVE DISORDERS: A CASE SERIES

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IMAGING OF MIDLINE CONGENITAL MALFORMATIONS OF BRAIN

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PERINATAL ARTERIAL ISCHEMIC STROKE IN FETAL VASCULAR MALPERFUSION: A CASE SERIES AND LITERATURE REVIEW

Ana Geraldo ¹, Alessandro Parodi ², Marta Bertamino ³, Francesca Buffeli ⁴, Sara Uccella ⁵, Domenico Tortora ⁶, Paolo Moretti ³, Luca Ramenghi ^{2,7}, Enzo Fulcheri ^{4,8}, Andrea Rossi ^{6,9}, Mariasavina Severino ⁶

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DEEP CERVICAL LYMPH NODES ON PEDIATRIC HEAD AND NECK MRI SCANS – A PICTORAL REVIEW

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MR SIALOGRAPHY AT A DISTRICT GENERAL HOSPITAL: OUR JOURNEY

Riddhika Chakravartty, Sarah Watson

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CONGENITAL INTRADURAL SPINAL LIPOMATOSIS WITH INTRACRANIAL EXTENSION

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LYMPHANGIOMA OF THE PEDIATRIC TEMPORAL BONE

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ANATOMICAL CORRELATION OF HUMAN VS. MOUSE MODEL ON MRI

Cesar Alves, Meagan Mcmanus, Nina Duncan, Abhay Ramachandran, Walt Mchugh,

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DOSE REDUCTION WITH SPECTRAL SHAPING FOR PEDIATRIC PARANASAL SINUS CT

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THE EVALUATION OF ANATOMIC STRUCTURES' VOLUME OF THE BRAIN IN PEDIATRIC PATIENTS WITH EPILEPSY – PRELIMINARY STUDY

Monika Zbroja ¹, Weronika Cyranka ¹, Katarzyna Drelich ¹, Olga Pustelniak ¹, Malgorzata Matuszek ¹, Ewa Kopyto ¹, Andrzej Materniak ², Magdalena Wozniak ²

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CLINICAL UTILITY OF THE DIFFUSION WEIGHTED IMAGING (DWI) RATIO IN CHARACTERIZING PRIMARY BRAIN NEOPLASMS IN PEDIATRIC PATIENTS: A 5-YEAR RETROSPECTIVE STUDY IN A TERTIARY HOSPITAL IN THE PHILIPPINES

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MRI FINDINGS OF AICA LOOPS IN CHILDREN: INCIDENCE AND ASSOCIATION WITH AUDIOVESTIBULAR SYMPTOMS

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BRAIN MRI FINDINGS IN PAEDIATRIC PATIENTS WITH DEVELOPMENTAL DELAY AT A TERTIARY HOSPITAL IN JOHANNESBURG, SOUTH AFRICA

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PROTOCOL-BASED IMAGING OF PAEDIATRIC BRAIN TUMOURS WITH MAGNETIC RESONANCE IMAGING (MRI) USING COMPRESSED SENSE: IMPACT ON IMAGE QUALITY AND EXAMINATION TIME

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POLYTRAUMAIN CHILDREN - COMPUTED TOMOGRAPHY ASSESSMENT OF CRANIOCEREBRAL PATHOLOGIES

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MAGNETIC RESONANCE SPECTROSCOPY STUDY OF ACUTE MILD TRAUMATIC BRAIN INJURY

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LATE-ONSET SUBVENTRICULAR ECHOGENICITY ON CRANIAL SONOGRAPHY IN EXTREMELY LOW BIRTH WEIGHT INFANTS WITH INTESTINAL PERFORATION

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THE IMPACT OF CEREBELLAR VOLUME ON BRAIN NETWORKS IN CHILDREN WITH EPILEPSY

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THE ROLE OF ADVANCED EPILEPSY-SPECIFIC MRI PROTOCOL IN THE DIAGNOSIS OF PHARMACORESISTANT EPILEPSY IN CHILDREN

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COMPARING MEASUREMENTS ON STANDARD AND ULTRAFAST MRI SEQUENCES

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LACRIMAL SACK PATHOLOGY: THE ROLE OF ULTRASOUND - A CASE PRESENTATION

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RAPID MAGNETIC RESONANCE IMAGING OF THE BRAIN IN A PEDIATRIC EMERGENCY DEPARTMENT: AN ANALYSIS OF USAGE FOR HEADACHE

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DYNAMICS OF MICROSTRUCTURAL AND METABOLIC PARAMETERS IN CHILDREN WITH SEVERE TBI AND HYPOXIC-ISCHEMIC BRAIN INJURY

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DYSFUNCTION OF FUNCTIONAL CONNECTIVITY BETWEEN DEFAULT MODE NETWORK AND CEREBELLAR STRUCTURES IN PATIENTS WITH MTBI IN ACUTE STAGE. RSFMRI AND DTI STUDY

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CEREBROSPINAL FLUID FLOW DETECTION IN POST-HEMORRHAGIC HYDROCEPHALUS WITH NOVEL MICROVASCULAR IMAGING MODALITY

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BENIGN DEVELOPMENTAL CHANGES OF THE THYROID CARTILAGE MIMICKING PATHOLOGICAL NODULES

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AFTER-HOURS MRI AT CHILDREN'S HOSPITALS: EMERGENT VP SHUNT EVALUATION AS A JUSTIFICATION FOR 24-HOUR STAFFING

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'TWO-IN-ONE' – IN-BORE CHILD AND PARENT POSITIONING FOR NON-ANESTHESIA PEDIATRIC MRI

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DO CHILDREN WITH SUSPECTED SHUNT FAILURE ALSO REQUIRE A RADIOGRAPHIC SHUNT SERIES IF HEAD CT IS GOING TO BE, OR HAS BEEN, PERFORMED?

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AVOIDING SKULL RADIOGRAPHS IN INFANTS WITH SUSPECTED INFLECTED INJURY WHO ALSO UNDERGO HEAD CT: "A NO-BRAINER?"

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MENINGIOANGIOMATOSIS IN A 5 YEAR OLD: A CASE REPORT

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SIMULATION OF REDUCED-DOSE IMAGES USING NOISE-INSERTION PROGRAM FOR PEDIATRIC BRAIN CT

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NEONATAL NEUROSONOGRAM – SPECTRUM OF CASES IN A TERTIARY CARE CENTRE IN INDIA

Prasanna Karpaga Kumaravel, Nitin Ashok, Abirami Krithiga
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VOLUMETRIC ANALYSIS OF CAUDATE, LENTIFORM NUCLEI, THALAMIC VOLUMES OF CHILDREN WHO UNDERWENT MRI FOR HEADACHE

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GANGLIONEUROMA WHICH IS RARELY LOCATED ON THE NECK: A CASE REPORT

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CEREBRAL VASCULAR FINDINGS IN CHILDREN WITH NEUROFIBROMATOSIS TYPE 1 USING TIME-OF-FLIGHT MRA

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BIOMETRY OF THE CEREBRAL VENTRICLES IN EXTREMELY LOW GESTATIONAL AGE NEONATES

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EXPECT THE UNEXPECTED: A PICTORIAL REVIEW OF UNEXPECTED PET/MR FINDINGS IN COMMON CHILDHOOD MALIGNANCIES AND THEIR CLINICAL SIGNIFICANCE

Jayne Seekins, Helen Nadel, Jesse Sandberg
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MRI APPARENT DIFFUSION COEFFICIENT (ADC) AND 123-I-MIBG UPTAKE IN LOW-RISK NEUROBLASTOMA: CASE REPORT

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THYROID INVOLVEMENT OF LANGERHANS CELL HISTIOCYTOSIS: IMAGING FINDINGS OF RARE DISEASE

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PAPILLARY CARCINOMA IN A CHILD, RARE BUT AGGRESSIVE

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LANGERHANS CELL HISTIOCYTOSIS: A GREAT MIMICKER!

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WHEN LIQUID TUMORS TURN SOLID...

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WILMS TUMOR UPDATE

Darragh Brady, Narendra Shet ¹, Ramon Sanchez-Jacob ¹, Jeffrey Dome ¹
Childrens National Hospital DC, Washington, USA

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EXTRARENAL WILMS TUMOUR WITH PULMONARY METASTASES: A RARE PRESENTATION OF A COMMON PAEDIATRIC TUMOUR

Mark Bishay, Emily Evans, Shruti Moholkar, Moti Chowdhury
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HEPATIC EPITHELIOID HAEMANGIOENDOTHELIOMA WITH PULMONARY INVOLVEMENT: A ONE IN A MILLION DIAGNOSIS

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COMPARISON OF WHOLE BODY MRI AND PET-CT IN PEDIATRIC SOLID TUMORS

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ULTRASOUND IN TONSILLAR LYMPHOMA: AN EMERGING FRONTLINE MODALITY - TWO CASE REPORTS

Eleni Koutrouveli ¹, Irene Vraha ¹, Rodanthi Sfakiotaki ¹, Marina Vakaki ¹, Georgios Daniil ², Anna Chountala ¹, Ekaterini Haritou ¹, Koumanidou Chrysoula ¹
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IMAGING FINDINGS OF CONGENITAL-INFANTILE FIBROSARCOMA WITH A PICTORIAL REVIEW

Nasim Tahir
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BILOBED METANEPHRIC ADENOMA AND WILMS TUMOR: IDENTICAL EMBRYOLOGIC ORIGIN, DIVERGENT IMAGING APPEARANCE. FIRST REPORT WITH US, SPECTRAL CT, AND MRI

Charles Runyan, Dianna M.E. Bardo
Phoenix Children's Hospital, Phoenix, Arizona, USA



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DO OTHERWISE WELL, HEALTHY CHILDREN WITH PALPABLE CERVICAL LYMPH NODES REQUIRE INVESTIGATION WITH NECK ULTRASOUND?

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NEUROBLASTOMA WITH KINSBOURNE SYNDROME: CASE SERIES OF SIXTEEN CASES AND REVIEW OF LITERATURE

Prasanna Karpaga Kumaravel, Abirami Krithiga Jayakumar

Rainbow Childrens Hospital, Hyderabad, INDIA

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IMAGING PATTERNS OF GROWTH OF TUMORS IN LI-FRAUMENI SYNDROME: CASE SERIES

Roxana Azma ¹, Thitiporn Junhasavasdiku ^{1,2}, Nipaporn Tewattananarat ^{1,3}, Armin Nourmohammad ¹, Armin Abadeh ¹, Sanuj Panwar ¹, Anita Vilani ¹, David Malkin ¹, Andrea S. Doria ^{1,4}

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DIAGNOSTIC ACCURACY OF MRI FOR PEDIATRIC NEUROBLASTIC TUMOR DIFFERENTIATION: SYSTEMATIC REVIEW AND SUBGROUP META-ANALYSIS

Domenica Tambasco ¹, Maria Medeleanu ², Rahim Moineddin ³, Shelley Harris ⁴, Daniel Morgenstern ⁵, Anita Villani ⁵, David Malkin ⁵, Andrea Doria ⁶

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2D SHEAR WAVE ELASTOGRAPHY OF SUPERFICIAL LYMPH NODES IN CHILDREN WITH HODGKIN LYMPHOMA. ITS CONTRIBUTION IN EVALUATING RESPONSE TO CHEMOTHERAPY

Anna Chountala ¹, Rodanthi Sfakiotaki ¹, Efi Alexopoulou ³, Marina Vakaki ¹, Nickos Spyridis ², Dimitris Doganis ⁴, Chrysoula Koumanidou ¹, Lydia Kossiva ²

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CAN SUPERFICIAL LYMPH NODES' ELASTOGRAPHY CONTRIBUTE TO THE DIFFERENTIAL DIAGNOSIS OF THE TYPES OF PEDIATRIC MALIGNANCY?

Anna Chountala ¹, Rodanthi Sfakiotaki ¹, Efi Alexopoulou ³, Marina Vakaki ¹, Eleni Koutrouveli ¹, Irene Vraha ¹, Dimitris Doganis ⁴, Chrysoula Koumanidou ¹, Lydia Kossiva²

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Tuesday, October 12, 2021

**ROOM:
TIZIANO 2**

12:15-13:00 CONTRAST IMAGING MODALITIES FOR CHILDREN

Chairman: Andrea Rossi (Genova, Italy)

12:15-12:35 Looking for confidence and safety in daily practice: CE-MRI with macrocyclic GBCA to differentiate inflammatory lesions and brain tumors in children

Fabio Triulzi (Milan, Italy)

12:35-12:55 Contrast-Enhanced voiding urosonography in children for vesicoureteral reflux evaluation

Kassa Darge (Philadelphia, USA)

Thursday, October 14, 2021

**ROOM:
TIZIANO 2**

13:00-13:30 INNOVATIONS IN PEDIATRIC RADIOLOGY

13:00-13:01 Opening and introduction

Elizabeth van Vorstenbosch (Best, The Netherlands)

13:01-13:20 How technology changes a child's experience in an MRI scanner

Dobromiła Barańska, (Lodz, Poland)

13:20-13:30 Sharing first experiences with the new PureWave mC12-3 transducer and new enhancements on the EPIQ Elite for pediatric ultrasound

Rebecca Dennis (Philadelphia, USA)

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