



**King's College Hospital**

**5th International Paediatric  
CEUS Course**

**24th - 25th June 2019**

**Course Endorsement**



**BMUS**

**With the Contribution of**



LIFE FROM INSIDE

**Course Accreditation**  
**The Royal College of Radiologists (UK)**  
**12 CPD Credits**

**EFSUMB CME Credits**

## Welcome

The course will take place at the Windsor Walk Lecture Theatre, Fetal Medicine Research Institute, King's College Hospital in London SE5 8BB, within easy connection to central London.

The organisers of the above course wish to invite you to participate in a 2-day concentration of experience and education in the new and exciting field of contrast-enhanced ultrasound (CEUS) in children. This is now an important aspect of imaging in children with recent FDA approvals of CEUS for characterisation of focal liver lesions and ureteric reflux assessment. The organizers have extensive experience in the application of CEUS in children with over 10 years of accumulated knowledge, and wish to share this widely, and a truly international speaker panel has been selected.

This is the 5th occasion we are organizing this course, and this has grown to a full two days. The course is recognized as a EUROSON School, with full endorsement of the European Federation of Societies of Ultrasound in Medicine and Biology (EFSUMB) and is endorsed by the British Medical Ultrasound Society (BMUS), with continuing medical education credits provided by the Royal College of Radiologist, United Kingdom.

The aim is to attract participants from across Europe, and further afield, who have an interest in introducing CEUS for children, in whom the importance of radiation dose reduction and accurate imaging are paramount. It is hoped that the faculty as well as the participants will establish a worldwide network to encourage the use of CEUS in children. The aim is to bring together this experience with fruitful exchange of knowledge and experience.

We have put together a program that we hope will serve the needs of the participants, encourage discussion and subsequently increased clinical use.

The background to the development, safety and future developments of CEUS will be discussed, and the legal role in children explained. The use in focal liver lesions, benign and malignant will be discussed. CEUS in blunt abdominal trauma, vesico-ureteric reflux, paediatric transplantation, oncology, inflammatory bowel disease and in areas where only CEUS can be used as a problem solving tool will be demonstrated, including novel brain applications. Discussion around guidelines for CEUS and experience in Europe and the United States will be led by experts. Speakers who have recently set-up their own program of CEUS in children will share their experience.

Course beverages and lunches will be complimentary. An exhibition will take place of ultrasound equipment. Free WiFi will be provided.

We hope you will be able to participate and add to this exciting initiative.

### Course Directors



Dr. Maria Sellars  
King's College Hospital



Dr Annamaria Deganello  
King's College Hospital



Prof Paul Sidhu  
King's College Hospital

### REGISTRATION FEES (INCLUDES ALL BEVERAGES AND LUNCH ON ACROSS BOTH DAYS)

EFSUMB OR BMUS MEMBER	£200.00 (WITH LETTER OF PROOF)
MEDICAL OR RADIOLOGY TRAINEE	£200.00 (WITH LETTER OF PROOF)
SONOGRAPHER OR ULTRASOUND TECHNICIAN	£200.00
NON-AFFILIATED PHYSICIAN	£240.00

	Prof. Martin Krix Bracco Imaging, Konstanz, Germany		Dr Doris Franke Division of Paediatric Nephrology, Hepatology and Metabolic Diseases, Hannover Medical School, Germany
	Dr Kristen Christensen-Jeffries Biomedical Engineering Department King's College Hospital, London, United Kingdom		Prof Damjana Ključevšek Department of Paediatric Radiology, University Medical Centre, Ljubljana, Slovenia
	Dr. Christian Greis Bracco Imaging, Konstanz, Germany		Prof Kassa Darge Department of Radiology, The Children's Hospital of Philadelphia, USA
	Prof Maciej Piskunowicz Department of Radiology Medical University of Gdansk Poland		Ms Erica Makin Department of Paediatric Surgery, King's College Hospital, London United Kingdom
	Prof Martin Stenzel Institute of Diagnostic and Interventional Radiology, University Hospital Jena, Germany		Prof Zoltan Harkanyi Department of Paediatric Radiology, Heim Pal Children's Hospital, Budapest, Hungary
	Dr Vasileios Rafailidis AHEPA University Hospital, Thessaloniki, Greece		Dr Jeevesh Kapur Department of Diagnostic Imaging, National University Hospital, Singapore
	Dr Anoushka Ljutikov Department of Radiology, Royal London Hospital, United Kingdom		Dr Aikaterini Ntoulia Ultrasound Department, The Children's Hospital of Philadelphia USA
	Dr Paul Humphries Department of Radiology, Great Ormond Street Hospital, London United Kingdom		Dr. Dean Huang Department of Radiology, King's College Hospital, London, United Kingdom
	Ms Laura Poznick Ultrasound Department, The Children's Hospital of Philadelphia USA		Prof Wojciech Kosiak Paediatric Haematology, Oncology and Endocrinology, Medical University of Gdansk, Poland
	Dr Emer Fitzpatrick Department of Paediatric Hepatology, King's College Hospital, London, United Kingdom		Dr Abhay Srinivasan Department of Radiology, The Children's Hospital of Philadelphia USA
	Dr Tina Fang Department of Radiology, King's College Hospital, London, United Kingdom		Dr Misun Hwang Department of Radiology, The Children's Hospital of Philadelphia USA
	Prof Beth MacCarville St. Jude Children's Research Hospital, Memphis, Tennessee, USA		Dr Gibran Timothy Yusuf Department of Radiology, King's College Hospital, London, United Kingdom

## Programme - Monday 24th June

- 8.30 Registration
- 9.00 Welcome by the Course Directors
- 9.10 Introduction to CEUS, *Prof Martin Krix*
- 9.30 Safety of CEUS in Adults and Children, *Dr Kirsten Christensen-Jeffries*
- 9.50 Quantitative Measurement: Techniques and Challenges, *Dr Kirsten Christensen-Jeffries*
- 10.10 Viewbox™ for SonoVue™, *Dr Christian Greis*
- 10.30 EFSUMB Paediatric Statement and review of the literature, *Prof Maciej Piskunowicz*
- 10.50 Break**
- 11.10 Legal aspects of using CEUS in Children and artefacts to be aware of, *Prof Martin Stenzel*
- 11.30 Clinical Safety of Paediatric CEUS in 2019 and How I do it - tips and tricks, *Prof Maciej Piskunowicz*
- 11.50 CEUS and Anaphylaxis: how to deal with it, *Dr Maria Sellars*
- 12.00 EFSUMB paediatric registry - current status, *Dr Vasileios Rafailidis*
- 12.20 How we set up a Paediatric CEUS Service - UK experience, *Dr Anoushka Ljutikov & Dr Paul Humphries*
- 12.40 How we set up a Paediatric CEUS Service - USA experience, *Ms Laura Poznick*
- 13.00 Lunch**
- 14.10 Paediatric Liver Disease - A physicians perspective, *Dr Emer Fitzpatrick*
- 14.30 Paediatric Liver Disease Imaging Spectrum, *Dr Paul Humphries*
- 14.50 CEUS in Paediatric Indeterminate Focal liver lesions, *Dr Annamaria Deganello*
- 15.10 *Scientific Oral presentation: Adenoma vs FNH, Dr Tina Fang*
- 15.20 CEUS in Paediatric Oncology, *Prof Beth MacCarville*
- 15.50 Break**
- 16.10 CEUS in Paediatric Transplantation, *Dr Doris Franke*
- 16.40 CEUS in Paediatric inflammatory bowel disease, *Prof Damjana Ključevšek*

## Programme - Tuesday 25th June

- 8.30 Registration
- 9.00 The 'David Cosgrove lecture' - A Quantum leap in paediatric contrast enhanced ultrasound: The impact of the CHOP Centre for Paediatric Contract Ultrasound (CPCU), *Prof Kassa Darge*
- 9.40 Blunt Abdominal Trauma - a surgeons perspective, *Ms Erica Makin*
- 10.00 CEUS in Paediatric Trauma, *Dr Maria Sellars*
- 10.30 *Oral scientific presentation: A new proposed grading scale for abdominal trauma in children, Dr Tina Fang*
- 10.40 CEUS in Paediatric splenic lesions, *Prof Zoltan Harkanyi*
- 11.10 Break**
- 11.30 CEUS in Paediatric Renal Disease, *Dr Jeevesh Kapur*
- 12.00 Ce-VUS. How I do it, *Ms Laura Poznick*
- 12.20 CEUS in Vesicoureteric Reflux Diagnosis, *Dr Aikaterini Ntoulia*
- 12.50 CEUS in the Paediatric Testis, *Dr Dean Huang*
- 13.10 Lunch**
- 14.10 Ultrasound of the lungs: with and without contrast, *Prof Wojciech Kosiak*
- 14.40 CEUS in Paediatric Intervention, *Dr Abhay Srinivasan*
- 15.10 CEUS of the neonates' brain, *Dr Misun Hwang*
- 15.40 Break**
- 16.00 Cost Effectiveness of Paediatric CEUS, *Dr Tim Yusuf*
- 16.20 Paediatric CEUS as a problem solving tool, *Dr Annamaria Deganello*
- 16.40 Course Assessment