

Cranial and Basic Echo Cardiography Ultrasound Courses



Enhancing Diagnostic Confidence in
Neonatal Brain and Heart Imaging



09-10
October 2026



Sofitel Abu Dhabi
Corniche, UAE



Evidence-Based
Learning



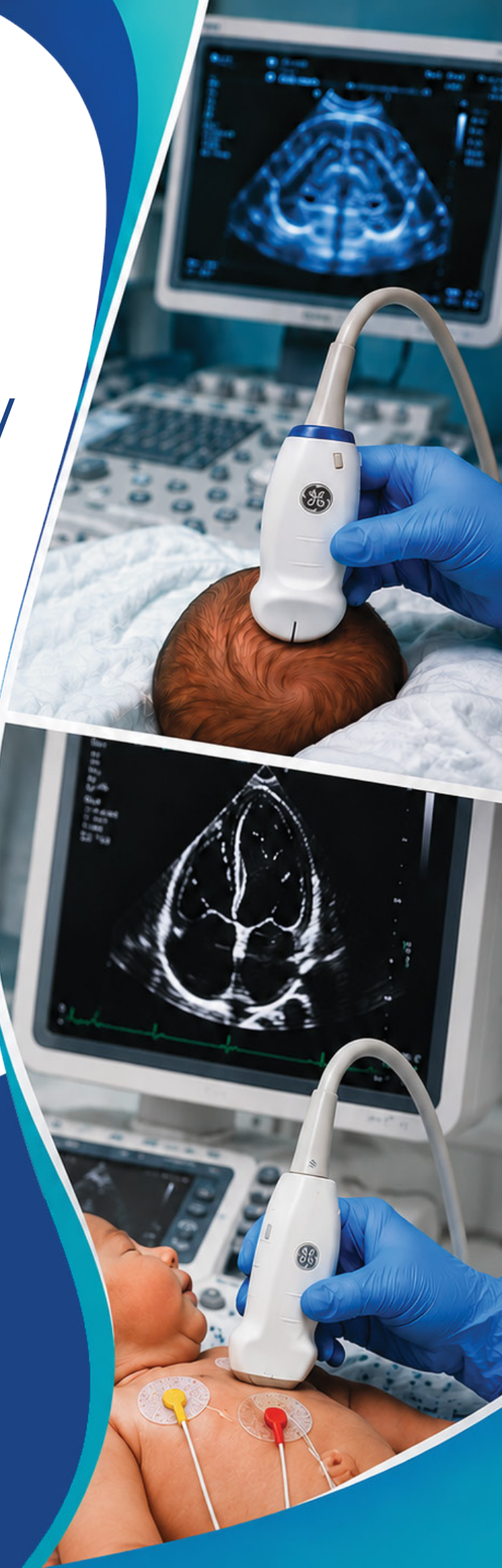
Hands-On
Training



Expert-Led
Sessions



CME
Accredited



Welcome Message



Dr. Akuma Oti Akuma



Dr. Velmurugan Ramalingam

Dear Colleagues,

It is our pleasure to invite you to the **Cranial and Basic Echocardiography Ultrasound Courses**, taking place on **09–10 October 2026 at Sofitel Abu Dhabi Corniche, UAE**. These specialized courses are designed to provide healthcare professionals with practical, evidence-based training in neonatal ultrasound imaging, empowering participants to enhance diagnostic confidence and improve patient care through hands-on learning and expert guidance.

Ultrasound has become an indispensable tool in modern neonatal and paediatric practice, offering rapid, accurate, and non-invasive assessment of neurological and cardiovascular conditions at the bedside. As the role of clinician-performed ultrasound continues to expand, the need for structured training and competency-based education has never been greater.

The **Cranial Ultrasound Course on 09 October 2026** will focus on a systematic approach to neonatal neuroimaging, covering normal anatomy, scanning techniques, and the recognition of common and complex neonatal brain pathologies. Participants will gain the knowledge and skills required to confidently perform and interpret cranial ultrasound examinations in daily clinical practice.

The **Basic Echocardiography Ultrasound Course on 10 October 2026** will provide a practical introduction to neonatal echocardiography and bedside cardiac assessment. Through expert-led teaching and hands-on workshops, participants will learn standard echocardiographic views, image acquisition techniques, and the assessment of common neonatal cardiovascular conditions, including patent ductus arteriosus and persistent pulmonary hypertension of the newborn.

A key strength of these courses is the emphasis on **small-group practical training**, allowing participants to develop scanning skills under the supervision of experienced faculty. Interactive case discussions, real-world clinical examples, and opportunities for direct faculty engagement will ensure a highly relevant and rewarding learning experience.

We are committed to advancing neonatal care through education, collaboration, and the dissemination of best practices. Whether you are beginning your ultrasound journey or seeking to strengthen existing skills, we hope these courses will provide valuable knowledge, practical expertise, and lasting professional connections.

We look forward to welcoming you to Abu Dhabi for what promises to be an engaging and enriching educational experience.

Best regards,

A handwritten signature in black ink that reads "Akuma Oti Akuma".

Dr. Akuma Oti Akuma
Consultant Neonatologist,
Corniche Hospital,
Abu Dhabi, UAE

A handwritten signature in black ink that reads "Velmurugan Ramalingam".

Dr. Velmurugan Ramalingam
Consultant Neonatologist,
Corniche Hospital,
Abu Dhabi, UAE



Cranial Ultrasound Course Highlights

The **Cranial Ultrasound Course (Basic + Advanced Combined)** equips participants with the knowledge and practical skills required to confidently perform and interpret neonatal cranial ultrasound examinations.

- Comprehensive coverage of basic and advanced neonatal cranial ultrasound techniques.
- Systematic approach to image acquisition, interpretation, and reporting.
- Recognition of common and complex neonatal brain pathologies, including GMH-IVH, white matter injury and congenital anomalies.
- Interactive case-based discussions and prognostic counselling.
- Hands-on scanning workshops in small groups with expert faculty guidance.
- Practical, evidence-based content directly applicable to neonatal clinical practice.



Course Directors



Dr. Akuma Oti Akuma
Consultant Neonatologist,
Corniche Hospital,
Abu Dhabi, UAE



Dr. Velmurugan Ramalingam
Consultant Neonatologist,
Corniche Hospital,
Abu Dhabi, UAE

Learning Outcomes

By the end of the course, participants will be able to:

- Perform a structured neonatal cranial ultrasound examination.
- Identify normal cranial ultrasound anatomy and anatomical landmarks.
- Recognize common haemorrhagic and white matter brain lesions.
- Identify important congenital brain abnormalities.
- Integrate ultrasound findings into clinical decision-making and family counselling.

Who Should Attend?

- Neonatologists
- Paediatricians
- Neonatal and Paediatric Trainees
- Neonatal Nurse Practitioners
- Advanced Practice Providers
- Clinicians with an interest in neonatal neuroimaging and point-of-care ultrasound (POCUS)

CME Accreditation

CME accreditation has been applied for and is currently under review.
Participants will receive a certificate of attendance upon completion of the course



Cranial Ultrasound Course

(Basic + Advanced Combined)

October 09, 2026 | Friday
Sofitel Abu Dhabi Corniche

TIME	TOPIC
08:30 – 09:00	Registration & Pre-test
Part 1: Basic Ultrasound Foundations	
09:00 – 09:30	Ultrasound Physics Including Doppler
09:30 – 10:00	Know Your Machine & Standard Views
10:00 – 10:30	Basic Cranial Anatomy
10:30 – 10:45	Coffee Break
Part 2: Basic Cranial Ultrasound	
10:45 – 11:30	Haemorrhagic Lesions in Preterm Infants (GMH-IVH)
11:30 – 12:15	White Matter Lesions (PVL / WMI)
12:15 – 13:30	Lunch Break
Part 3: Advanced Cranial Ultrasound	
13:30 – 13:50	Neonatal Encephalopathy Patterns
13:50 – 14:15	Congenital Brain Anomalies
14:15 – 14:30	Antenatal Counselling
14:30 – 14:45	Coffee Break
Part 4: Case-based + Prognostic Discussions	
14:45 – 15:30	Case Discussions
15:30 – 16:15	Prognostic Counselling
16:15 – 17:00	Q&A
17:00	End of Course



Basic Echocardiography Course Highlights

The **Basic Echocardiography Ultrasound Course** provides a structured introduction to neonatal/paediatric echocardiography, combining foundational principles, hands-on image acquisition, congenital heart disease screening, and practical bedside applications. Designed for clinicians caring for newborn infants, the course emphasizes a systematic approach to cardiac assessment, helping participants develop confidence in image acquisition, interpretation, and clinical decision-making.

- Master the fundamentals of neonatal echocardiography.
- Learn standard echocardiographic views and image acquisition techniques.
- Understand segmental cardiac assessment and sequential scanning.
- Screen for common congenital heart defects, PDA, and PPHN.
- Participate in hands-on scanning workshops with expert faculty.
- Apply best practices in reporting, patient safety, and referral pathways.
- Gain practical skills directly applicable to neonatal intensive care and newborn medicine.



Course Directors



Dr. Velmurugan Ramalingam
Consultant Neonatologist,
Corniche Hospital,
Abu Dhabi, UAE



Dr. Akuma Oti Akuma
Consultant Neonatologist,
Corniche Hospital,
Abu Dhabi, UAE

Learning Outcomes

By the end of the course, participants will be able to:

- Obtain standard neonatal echocardiographic views.
- Perform a structured neonatal cardiac assessment.
- Recognize common congenital heart abnormalities requiring specialist referral.
- Assess patent ductus arteriosus and screen for persistent pulmonary hypertension of the newborn.
- Understand the limitations of basic echocardiography and know when to seek expert cardiology review.
- Document findings using a structured reporting approach.

Who Should Attend?

- Neonatologists
- Paediatricians
- PICU Physicians
- Neonatal and Paediatric Trainees
- Advanced Neonatal Practitioners
- Clinicians interested in neonatal echocardiography and point-of-care ultrasound (POCUS)

CME Accreditation

CME accreditation has been applied for and is currently under review. Participants will receive a certificate of attendance upon completion of the course



Basic Neonatal Echocardiography Ultrasound Course

October 10, 2026 | Saturday
Sofitel Abu Dhabi Corniche

TIME	TOPIC
08:30 – 09:00	Registration & Pre-test
Part 1: Principles	
09:00 – 09:30	Ultrasound Physics Including Doppler
09:30 – 10:00	Knobology & Machine Setup
10:00 – 10:20	Standard Sequential Views
10:20 – 10:30	Coffee Break
Part 2: Basic CHD & Hemodynamic Screening	
10:30 – 11:15	Common Heart Defects
11:15 – 11:45	PDA Assessment
11:45 – 12:30	PPHN Screening
12:30 – 13:15	Lunch Break
Part 3: Hands-On Views	
13:15 – 13:45	Situs & Subcostal Views
13:45 – 14:15	Apical Views
14:15 – 14:30	Coffee Break
14:30 – 15:00	Parasternal Views
15:00 – 15:30	High Parasternal Views
Part 4: Safety & Application	
15:30 – 15:45	What NOT to Do in Basic Echo
15:45 – 16:00	Referral Criteria
16:00 – 16:15	Reporting Template
16:15 – 16:30	Mini-OSCE + Closing
16:30	End of Course



Biography



Dr. Akuma Oti Akuma
Consultant Neonatologist,
Corniche Hospital,
Abu Dhabi, UAE

Dr Akuma is a Consultant Neonatologist in Corniche Hospital, Abu Dhabi. He joined Corniche in 2016 from the UK where he had his Paediatric training and sub-specialisation in Neonatology under the auspices of the UK National Neonatology Grid programme. Following completion of training, he was appointed as a substantive Consultant Neonatologist at the Leicester Royal Infirmary in 2009. This is a Regional Tertiary Neonatal Intensive Care unit that also housed the largest Adult and Paediatric ECMO programme in Europe.

Dr Akuma has extensive clinical experience and has held several leadership positions. He has several indexed published papers and is a recipient of the UK Consultant CEA Awards in 2015. His areas of interest include: Antenatal counselling (High Risk Pregnancies), Echocardiography, Cranial Ultrasound, Neonatal Nutrition, Neonatal Pain, Risk Management, and Mortality Review.



Dr. Velmurugan Ramalingam
Consultant Neonatologist,
Corniche Hospital,
Abu Dhabi, UAE

Dr. Velmurugan Ramalingam, FRCPCH, DCH, MSc (Child Health), PGDip (Healthcare Leadership), CCT (Neonatal Medicine), PGDip (Neonatology-NOTE)

Dr. Velmurugan Ramalingam is a UK-trained Consultant Neonatologist at Corniche Hospital, Abu Dhabi. Prior to joining Corniche Hospital in 2017, he served as Consultant Neonatologist and Clinical Governance Lead at Birmingham Women's Hospital, one of the UK's leading tertiary neonatal centres.

His specialist interests include neonatal hemodynamics, targeted neonatal echocardiography, cranial ultrasound, and point-of-care ultrasound (POCUS). He leads the Neonatal Echocardiography Peer Group at Corniche Hospital, serves on the SEHA Pediatric Cardiology Subcommittee, and co-chairs the hospital Resuscitation Committee.

Dr. Velmurugan has led the development of several neonatal and resuscitation guidelines, including those for neonatal hypotension, PDA assessment and management, heart murmurs, Golden Hour stabilization, Code Pink, and pediatric respiratory and cardiac arrest management. He is also recognized for the early echocardiographic diagnosis of a rare congenital heart defect, Partial Anomalous Pulmonary Venous Drainage (PAPVD), a case that received widespread coverage across regional media and highlighted the importance of advanced neonatal cardiac imaging.

An experienced educator and international speaker, he is passionate about advancing physiology-based neonatal care and translating ultrasound findings into practical bedside decision-making.



Cranial and Basic Echocardiography Ultrasound Courses

09-10
October 2026

Sofitel Abu Dhabi
Corniche, UAE

HOW TO REGISTER

Tel.: +971 2 4919888

Personal Details

Full Name:

Job Title:

Place of Work:

City:

Mobile:

Tel (work):

Email:

Fax:

☐ Yes, I would like to receive information on future events by e-mail. ☐ I do not want my address to appear on the delegates list.

Registration Fees

Please select the conference that is relevant to your speciality.

Category	Registration Fee
☐ Cranial Ultrasound Course	AED 1,500
☐ Basic Echocardiography Ultrasound Course	AED 2,000

A confirmation email will be sent upon receipt of your registration form. Please note that full payment must be received prior to the event. Payment can be made via Online, Credit card, Cheque, Bank drafts in AED. ***Additional 5% VAT will be Applicable on all Fees**

Payments

Please choose one of the following mode of payment.

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fritzi@menaconference.com

Cancellation / Substitution Policy

If you are unable to attend, a substitute delegate will be very welcome in your place. If this is not suitable, a 20% administration fee will apply. Registrations cancelled less than one week before the event are non refundable.

Event Venue

Sofitel Abu Dhabi, Corniche, UAE

The organizing committee reserves the right to make any modifications to the programme in occurrence of any unforeseen circumstances.

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