MONDAY,15 March 2027

Morning
Dr.Antonio La Torre

09.00-09.30 **Introduction to the Course:the problems and the future of Ultrasonography**

09.30-10.10 **The corner of US physics:what is useful to remember ?** (first part)

10.10-10.15 *Questions and Answers*

10.15-11.00 T**he corner of US physics:what is useful to remember ?** (second part)

11.00-11.05 *Questions and Answers*

Dr.Eoghan Laffan

US imaging of Neonatal Spine and Chest (First part**)**

11.05-12.00 **US technique,normal anatomy,pathology**

12.00-12.10 *Questions and Answers*

12.10-13.00 **Neonatal Chest:mediastinum,congenital lung lesions,effusions,consolidation and atelectasis**

13.00-13.10 *Questions and Answers*

13.10-14.00 **BREAK**

AFTERNOON

Prof. Monica Epelman

US imaging of Neonatal Brain (First part**)**

14.00-14.50 **Equipment,techniques and normal sonographic anatomy**

14.50-15.00 *Questions and Answers*

15.00-15.50 **Variants and scanning artifacts**

15.50-16.00 *Questions and Answers*

16.00-16.50 **Intracranial hemorrhage in preterm and term infants**

16.50-17.00 *Questions and Answers*

TUESDAY,16 March 2027

MORNING
Dr Antonio La Torre

08.45-09.25 **The corner of US physics:what is useful to remember ?** (third part)

09.25-09.35 *Questions and Answers*

Dr.Eoghan Laffan

US imaging of Neonatal Spine and Chest (Second part**)**

09.35-10.05 **Neonatal Lung US: introduction-technique,normal and abnormal signs in lung US**

10.05-10.15 *Questions and Answers*

10.15-11.00 **Neonatal Lung US: LUS Scores-LUS Pathology**

11.00-11.10 *Questions and Answers*

11.10-11.40 **Neonatal Lung US: US diaphragm-palsy;CDH;diaphragmatic excursion**

11.40-11.50 *Questions and Answers*

11.50-12.20 **Neonatal Lung US: LUS Algorithms; advantages and disadvantages of LUS**

12.20-12.30 *Questions and Answers*

12.30-13.00 **Other uses for US in the Neonate**

13.00-14.00 **BREAK**

AFTERNOON

Prof. Monica Epelman

US imaging of Neonatal Brain (Second part**)**

14.00-14.50 **Hypoxic-ischemic injury in preterm and term neonates**

14.50-15.00 *Questions and Answers*

15.00-15.50 **Congenital brain anomalies,CNS infections and miscellaneous**

15.50-16.00 *Questions and Answers*

WEDNESDAY,17 March 2027

MORNING
Prof.Sebastian Tschauner

US imaging of the urogenital tract in neonates qnd infants (First part**)**

09.00-09.30 **A reliable urinary tract ultrasound**

09.30-09.40 *Questions and Answers*

09.40-10.10 **Congenital kidney abnormalities and cystic patterns**

10.10-10.20 *Questions and Answers*

10.20-10.50 **Urinary tract dilatation and obstruction**

10.50-11.00 *Questions and Answers*

11.00-11.30 **Urinary tract infection and vesicoureteral reflux**

11.30-11.40 *Questions and Answers*

11.40-12.10 **Acquired renal disease involving parenchima and perfusion**

12.10-12.20 *Questions and Answers*

12.20-12.50 **Imaging decisions for stones masses and trauma**

12.50-13.00 *Questions and Answers*

13.00-14.00 **BREAK**

AFTERNOON
Prof. Alan Daneman

US Imaging of the Neonatal Abdomen (First part)

14.00-14.30 **Advantages and disadvantages of POCUS and the need to optimize sonographic techniques in neonates**

14.30-14.40 *Questions and Answers*

14.40-15.30 **Comprehensive US evaluation of the the neonatal gastrointestinal tract:emphasis on necrotizing enterocolitis**

15.30-15.40 *Questions and Answers*

15.40-16.30 **Comprehensive US evaluation of the the neonatal gastrointestinal tract:emphasis on midgut rotation and other causes of obstruction**

16.30-16.40 *Questions and Answers*

THURSDAY,18 March 2027

Morning
Dr Antonio La Torre

09.00-09.45 **Quality Assurance and Safety in US**

09.45-09.55 *Questions and Answers*

Prof.Sebastian Tschauner

US imaging of the urogenital tract in neonates and infants (Second part**)**

09.55-10.30 **Genital ultrasound in infancy and selected emergencies**

10.30-10.40 *Questions and Answers*

10.40-11.10 **POCUS in pediatric nephrology**

11.10-11.20 *Questions and Answers*

11.20-12.30 **Interactive cases and course summary**

12.30-12.40 *Questions and Answers*

12.40-14.00 **BREAK**

AFTERNOON
Prof. Alan Daneman

US Imaging of the Neonatal Abdomen (Second part)

14.00-14.50 **US evaluation of the biliary tract,liver,spleen and adrenals in neonates**

14.50-15.00 *Questions and Answers*

15.00-15.45 **Neonatal and pelvic masses:US evaluation and relationship to CT and MR**

15.45-15.55 *Questions and Answers*

15.55-17.00 **Interesting cases**

Dr.Antonio La Torre

17.00 **Closing of the Course**