

AEPC Basic Course in Paediatric Echocardiography

Children's Heart Center, Skane University Hospital, Lund University, Lund, Sweden

May 29-31, 2024

Preliminary Programme

Wednesday May 29

Basic applications of echocardiographic imaging and technical aspects	
10.00-10.30	Registration
10.30-10.45	Welcome address
10.45-11.15	Physics of ultrasound and why we need to understand it
11.15-12.00	How and when: M-Mode, 2- and 3-dimensional echocardiography
12.00-13.00	Lunch and exhibition
13.00-13.30	Echocardiographic quantification, measurements and pitfalls
13.30-14.00	How and when: Pulsed and continuous wave Doppler
14.00-14.30	How to set the echo machine: equipment, probes and optimization of images acquisition
14.30-15.00	Coffee break and exhibition
16.00-16.30	How to distinguish between facts and artefacts
16.30-17.15	<i>Time slot reserved for industrial partners</i>
19.00	Welcome dinner

Thursday May 30

Echocardiographic examination of the normal and pathologic heart	
08.00-08.30	The segmental sequential approach in echocardiography
08.30-09.30	The normal heart/sequential analysis, morphological demonstration
09.30-10.00	Anatomic/pathologic correlation with echocardiography: what we see in the different echo projections
10.00-10.30	Coffee break
10.30-11.00	Echocardiography in a normal heart: minimum data set
11.00-11.30	Anomalies of the systemic and pulmonary venous return
11.30-12.00	The AV-valves
12.00-13.00	Lunch and exhibition
13.00-13.30	Shunt lesions
13.30-14.00	Right heart obstructive lesions
14.00-15.00	Morphology of major congenital heart defects, morphological demonstration
15.00-15.30	Coffee break
16.00-16.30	Left heart obstructive lesions
17.00-17.30	Conotruncal malformations

Friday May 31

Echocardiography in congenital heart disease - going complex and going real	
08.00-08.30	Disorder of laterality
08.30-09.30	Imaging of the single ventricle
09.30-10.00	Coffee break
10.30-11.00	Our words of warning
11.00-11.30	Strain, strain rate, tissue Doppler
11.30-12.00	Cardiac function, why and how?
12.00-13.00	Lunch and exhibition
13.00-13.30	Echocardiography in the neonate
13.30-14.00	Ultrasound in Critical Intensive care Unit: why, what, and who?
14.00-14.30	Echocardiography when referring the patient for surgery
14.30-15.15	Course conclusion including Examination