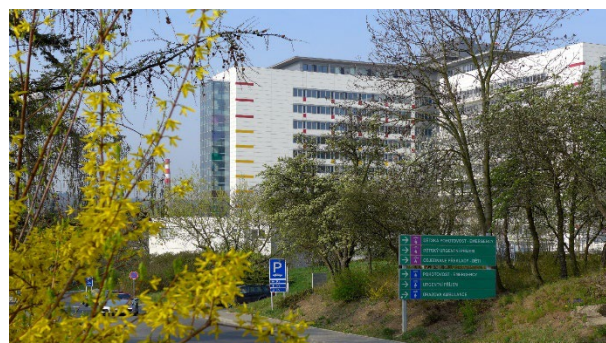




ERN Summer School: *CRT in paediatric and congenital heart disease:* *A practical guide to diagnosis, indication and implementation*

Prague, November 14-15, 2025

Friday, November 14: 10:00 – 17:00

Saturday, November 15: 9:00 – 13:00

Course director: Prof. Jan Janoušek, MD, PhD

Location: Children's Heart Centre, Univ. Hosp. Motol, V úvalu 84, 150 06 Praha 5, Czech Republic

Preliminary program

- Heart failure in children – reasons, pathophysiology and therapeutic options
- Heart failure with reduced ejection fraction (HFrEF): Guideline-directed medical therapy
- Ventricular dyssynchrony causing HFrEF – basic principles
- Cardiovascular modelling of ventricular dyssynchrony
- Echocardiographic diagnosis of ventricular dyssynchrony – conventional imaging
- Echocardiographic diagnosis of ventricular dyssynchrony – advanced methods
- Non-invasive assessment of myocardial work in dyssynchrony
- Electromechanical interaction in dyssynchronous heart failure
- Case-based interactive assessment of dyssynchrony using ECHO
- Temporary CRT for treatment of low cardiac output in the ICU
- Permanent CRT in children and congenital heart disease
 - Indications, technical aspects, choice of pacing sites
 - Conduction system pacing as a CRT option
 - Surgical approach
 - Results