



CAHAL

Center for Congenital
Heart Disease
Amsterdam - Leiden

HANDS-ON COURSE Morphology of Univentricular Heart Disease

From fetal development to postnatal
interventions and long-term follow up

25-26 April 2024

Hortus Botanicus, Leiden, NL

Endorsed by:



To guarantee an optimal attendee-to-tutor ratio the number of participants will be limited

For young professionals/fellows the course fee will be at reduced rate, provided that an abstract in the form of case presentation will be submitted. In addition a subset of fellows sending in abstracts will be eligible for a travel grant

To website and registration

THURSDAY APRIL 25TH APRIL 2024

8:30. Reception and Registration

8:55-09:00 Opening Day 1
Day Chair: Monique Jongbloed

09:00-10:00
SESSION 1: Catching up on normal morphology and landmarks structures
Chairs: Annalisa Angelina & Roelof-Jan Oostra

9:00-9:15 Segmental analysis of congenital cardiac defects
Monique Jongbloed

9:15-9:30 Main processes in cardiovascular embryology – the role of the first and second heart field
Marco DeRuiter

9:30-9:45 Normal cardiovascular structures-correlation with imaging techniques -prenatally
Adam Kolesnik

9:45-10:00 Normal cardiovascular structures-correlation with imaging techniques -postnatally
Hans Breur

10:00-10:30
HANDS-ON SESSION 1
Normal hearts structures
All tutors

10:30-11:00
COFFEE BREAK

11:00-12:30
SESSION 2: Morphology of univentricular heart & Prenatal cardiology
Chairs: Daniela Barge-Schaapveld & Trinet Steenhuis

11:00-11:15 Morphological spectrum and nomenclature of univentricular heart disease
Matthias Sigler

11:15-11:30 Development and maturation of the fetal myocardium - from hyperplasia to hypertrophy
Jan Willem Buikema

11:30-11:45 Genetics and hypoplastic heart - who to screen?
Sabine Klaassen

11:45-12:00 Prenatal imaging of univentricular heart - what's the catch?
Sally Ann Clur

12:00-12:15 Prenatal interventional - who to treat and what to expect?
Monique Haak

12:15-13:30
LUNCH BREAK & POSTER SESSIONS

13:30-14:30
SESSION 3: Postnatal phase of univentricular heart
Chairs: Paul Schoof & Berto Bouma

13:30-13:45 Hypoplastic right heart - morphological spectrum
Adam Kolesnik

13:45-14:00 Treatment options for HRH
Regina Bökenkamp

14:00-14:15 Hypoplastic left heart - morphological spectrum
Annalisa Angelini

14:15-14:30 Surgical options HLH - uni- or biventricular repair?
Mark Hazekamp

14:30-15:45
HANDS-ON SESSION 2
Univentricular heart: RHR and HLH
All tutors

15:15-15:45 Morphology of univentricular heart: QUIZ
Regina Bökenkamp

15:45-16:15
TEA BREAK

16:15-17:00

KEYNOTE LECTURE

16:15-17:00 hiSynchron CT for deep phenotyping of univentricular hearts
Andrew Cook

17:00 Meeting Adjourn

17:30 Gather at Hortus Jetty for transfer to dinner location
(transfer by boat)

19:00-21:00 Network Course Dinner

FRIDAY APRIL 26TH APRIL 2024

8:15-8:25 Arrival participants

8:25-8:30 Opening Day 2
Day Chair: Philippine Kiès

8:30-8:45 The role of the European Network Reference (ERN) in European Education and Connecting Medical Specialist
Nico Blom

08:45-09:00 Future perspectives on Central Bio-banking
Michiel Henkens

9:00-10:15
SESSION 4: Late follow-up and interventions
Chairs: Arie van Dijk & Hubert Vliegen

9:00-9:15 Vascular remodeling in the Fontan circulation
Gruschen Veldtman

9:15-9:30 Late complications and Fontan failure: Relevance of conduit size
Arno Roest

9:30-9:45 AV valve regurgitation in hypoplastic heart - Role for percutaneous interventions?
Anastasia Egorova

9:45-10:00 Vascular interventions in the Fontan circulation
Werner Budts

10:00-10:15 Lymphatic interventions
Alexander van de Bruaene

10:15-10:45
HANDS-ON SESSION 3

Fontan hearts (including specimen of the Padua collection)
All tutors

10:45-11:15
COFFEE BREAK

11:15-12:45
SESSION 5: Meet the morphologist and interventionalist cases/surgeons-cases
Chairs: Judith Cuijpers & Joost van Melle

11:15-11:30 Selected Abstract 1
Surgeon Dave Koolbergen and fellow TBD

11:30-11:45 Selected Abstract 2
Morphologist/interventionalist TBD and fellow TBD

11:45-12:00 Selected Abstract 3
Morphologist/interventionalist TBD and fellow TBD

12:00-12:15 Selected Abstract 4
Morphologist/interventionalist TBD and fellow TBD

12:15-12:30 Selected Abstract 5
Morphologist/interventionalist TBD and fellow TBD

12:30-12:45 Patient's Perspective
Dayenne Zwaagman

12:45-14:00
LUNCH BREAK & POSTER SESSIONS

14:15 Transfer to Boerhaave Museum Leiden

14:30-15:30 Special Lecture: Innovations in Cardiovascular Medicine throughout History
Mieneke te Hennepe

15:30 Adjourn