

Informatie

Update 4 January 2010

Doelgroep:

Cardiologen, cardiothoracaal chirurgen, kinderartsen, kindercardiologen (in opleiding), onderzoekers op het gebied van de ontwikkeling van het hart.

Accreditatie:

NVVC-accreditatie: 20 punten
NVT-accreditatie: 20 punten
NVK-accreditatie: 18 punten

Aanmelden:

U kunt zich aanmelden via cursusaanbod op www.cvoi.nl. De cursuskosten bedragen € 400,- voor specialisten. Voor assistenten, AIOS, fellows, etc. wordt een bedrag van € 300,- gerekend.

Annuleren:

Bij annulering tot 7 dagen van tevoren wordt € 50,- in rekening gebracht, daarna bent u het gehele bedrag verschuldigd.

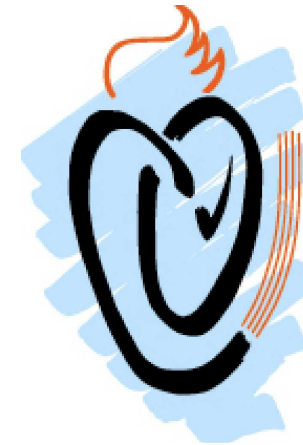
Voor meer informatie:

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E-mail: cvoi@cvoi.org
Internet: www.cvoi.nl

Clinically applied cardiac development and morphology

organized by:
the CardioVasculair Onderwijs Instituut and
the Dept of Anatomy, Embryology & Physiology, AMC

11 - 13 January 2010



Location:
Academisch Medisch Centrum, Theatrum Anatomicum, L2-242
Meibergdreef 9, 1105 AZ Amsterdam
Tel. +31-20-5664927



Het CardioVasculair Onderwijs Instituut, opgericht door de Nederlandse Vereniging voor Cardiologie, het Interuniversitair Cardiologisch Instituut Nederland en de Nederlandse Hartstichting, coördineert en initieert (na)scholing gericht op handhaving en verhoging van de kwaliteit van het medisch handelen op het terrein van hart- en vaatziekten in Nederland.

Merck Sharp & Dohme, AstraZeneca, Pfizer, Novartis, St. Jude Medical en Sanofi-aventis zijn hoofdsponsors.

Clinically applied cardiac development and morphology

Morphogenesis of the embryonic heart in humans and other higher vertebrates is a complex process of gene expression and tissue remodelling which transforms a primitive tubular heart into a four-chambered double-circuited structure. Thanks to the recent advances in molecular biology, it has become increasingly possible to investigate the biological processes that effectuate cardiac morphogenesis. At the same time, therapeutic possibilities for patients with congenital heart conditions have increased exponentially in the previous decades.

The purpose of this course is to give an overview of the current state of the art in both fields of expertise to those who are clinically and/or scientifically involved in normal and abnormal heart development, including paediatricians, paediatric cardiologists, registrars, fellows, PhD students and post-docs.

The programme of the 3-days-course includes various lectures on development and clinical aspects of cardiac morphology and malformation, given by internationally renowned experts, as well as assisted practical hands-on sessions with anatomical specimens demonstrating normal hearts as well as the different aspects of congenital cardiac malformations.

Local organizing committee:

Dr. Petra E.M.H. Habets (Dept. Anatomy & Embryology, AMC, Amsterdam)

Dr. Seema Mital (Cardiology Hospital for Sick Children, Toronto)

Dr. Roelof-Jan Oostra (Dept. Anatomy & Embryology, AMC, Amsterdam)

Dr. Antoon F.M. Moorman (Heart Failure Research Center, AMC, Amsterdam)

Programme Monday January 11 (Theatrum Anatomicum, L2-242)

08.30	Registration	
08.55	Opening	A.F.M. Moorman
THE ADULT HEART		
09.00	Anatomy of the adult heart	A.C. Cook
09.30	Sequential Segmental Analysis	R.-J. Oostra
10.00	MRI/CT Sequential Segmental Analysis	M.G. Groenink
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10.30	Coffee	
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10.45	Heart Works; virtual heart simulator	A.C. Cook
11.15	Hands on; normal hearts	R.-J. Oostra
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13.15	Lunch	
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DEVELOPMENT, GROWTH AND REGENERATION		
14.00	New concepts in cardiac development	A.F.M. Moorman
14.30	Fetal cardiac growth: can the hypoplastic ventricle grow?	S. Mital
15.00	Cardiac fields and cardiomyocyte differentiation	R.G. Kelly
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15.30	Tea	
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15.45	Fetal development	A.C. Cook
16.15	Regenerative approaches	C. Mummery
16.45	Closing remarks	A.F.M. Moorman

Programme Tuesday January 12 (Theatrum Anatomicum, L2-242)

CONDUCTION SYSTEM

- 09.00 Anatomy of the conduction system A.C. Cook
- 09.30 Development of the conduction system V.M. Christoffels
- 10.00 Transcriptional mechanisms and conduction system formation V.M. Christoffels

10.45 Coffee

- 11.15 Congenital conduction defects; clinical aspects N.A. Blom
- 11.45 Case studies N.A. Blom

13.00 Lunch

FORMATION OF THE ATRIO-VENTRICULAR VALVES

- 14.00 Anatomy of the valves A.C. Cook
- 14.30 Development of the valves M.J. van den Hoff

15.00 Tea

PLEASE NOTE DIFFERENT LOCATION FOR THIS AFTERNOON: **H2-211**

- 15.15 Clinical aspects M.E. Rijlaarsdam
- 15.45 Imaging M.G. Groenink
- 16.15 The importance of biobanking: practical aspects related to large scale genomic studies, sample collection and preservation, databases, coding systems and international collaboration
J. Breaton
A.V. Postma
B.J.M. Mulder
- 17.15 Closing remarks A.F.M. Moorman

Programme Wednesday January 13 (Theatrum Anatomicum, L2-242)

VENOUS POLE

- 09.00 Development of the venous pole V.M. Christoffels
- 09.30 Clinical aspects/imaging J. Hruda

10.15 Coffee

- 10.45 Surgical procedures M.G. Hazekamp
- 11.15 Case studies S.A.B. Clur

12.30 Lunch

OUTFLOW TRACT

- 13.30 Development of the outflow tract M.L. Kirby
- 14.00 Clinical aspects S.A.B. Clur

14.30 Tea

- 14.45 Surgical procedures M.G. Hazekamp
- 15.15 Hands-on; congenital anomalies R.-J. Oostra
- 17.00 Closing remarks and drinks in **K2-144** A.F.M. Moorman

Speakers and chairmen:

Dr. Margot Bartelings	Dept. Anatomy & Embryology Leiden University Hospital
Dr. Nico A. Blom	Dept. Paediatric Cardiology Leiden University Hospital/AMC
Jennifer Breaton	Cardiology Hospital for Sick Children Toronto, Canada
Dr. Vincent M. Christoffels	Heart Failure Research Center Academic Medical Center, Amsterdam
Sally A.B. Clur	Dept. Paediatric Cardiology Academic Medical Center, Amsterdam
Dr. Andrew C. Cook	Institute of Child Health London, England
Dr. Maarten G. Groenink	Dept. Cardiology Academic Medical Center, Amsterdam
Dr. Mark G. Hazekamp	Dept. Cardiothoracic Surgery Leiden University Hospital/AMC
Dr. Maurice J. van den Hoff	Heart Failure Research Center Academic Medical Center, Amsterdam
Dr. Jaroslav Hruda	Dept. Paediatric Cardiology Academic Medical Center, Amsterdam
Dr. Robert G. Kelly	Inst de Biology du Developpement Marseille, France
Dr. Margaret L. Kirby	Dept Paediatrics, Duke University Medical Center, Durham, USA
Dr. Seema Mital	Cardiology Hospital for Sick Children Toronto, Canada
Dr. Antoon F.M. Moorman	Heart Failure Research Center Academic Medical Center, Amsterdam

Dr. Barbara J.M. Mulder	Dept. Cardiology Academic Medical Center, Amsterdam
Dr. Christine Mummery	Dept. Anatomy & Embryology Leiden University Hospital
Dr. Roelof-Jan Oostra	Dept. Anatomy & Embryology Academic Medical Center, Amsterdam
Dr. Alex V. Postma	Heart Failure Research Center Academic Medical Center, Amsterdam
Dr. Marry E. Rijlaarsdam	Dept Paediatric Cardiology Leiden University Hospital

Chairmen:

Monday: Dr. Antoon F.M. Moorman & Dr. Roelof-Jan Oostra

Tuesday: Dr. Antoon F.M. Moorman & Dr. Nico A. Blom

Wednesday: Dr. Antoon F.M. Moorman & Dr. Mark G. Hazekamp