

Netherlands Heart Days 2018

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Venue:

Willemstad Room of the Hilton Hotel
Curaçao

For more information visit www.nnhd.org

12th Netherlands Heart Days Curaçao

18-20 January 2018



Sponsors 2018:

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Groningen, June 2017

Dear Colleagues

We are very pleased to present the preliminary program for the 12th Netherlands Heart Days (NHD) from **January 18 – 20, 2018** in Curaçao.

The annual NHD has proved its value as high level annual meeting in cardiovascular radiology as evidenced by both the returning number of regular participants as well as the increment of new ones from Europe, the entire Caribbean area, North and South America, and the last years also Asia.

The meeting is organized by the NHD again together with the Maastricht University Medical Center and the section Cardiovascular Radiology of the Radiological Society of The Netherlands, in close cooperation with the NASKHO (Netherlands – Caribbean Foundation for Clinical Higher Education).

The program covers topics on Calcium scoring, myocardial perfusion and flow, cardiac imaging strategies in women, invasive coronary angiography, and many more. On the last day, in the Caribbean and South America session speakers from Brasil, Colombia, Costa Rica and St. Martin will address new developments in radiology and cardiology in these regions.

Young researchers again will have the opportunity to submit abstracts for the **Poster Award** Session. The abstracts, with only cardiovascular topics, will be rated by a jury and the 5 highest rated abstracts will be presented in a plenary oral session. The best presentation will be awarded with a Poster Award. The remaining accepted posters can be viewed on site.

Early fee registration is open until December 1, 2017. We hope to welcome you in Curaçao!

Prof. Dr. M. Oudkerk
Prof. Dr. J.E. Wildberger
Prof. Dr. H.J.G.M. Crijns

PROGRAM

Thursday 18 January 2018

08.15 – 08.30 Official opening

08.30 – 10.00

Session 1: Calcium Scoring as First-Line Test in GP Patients

The Challenge in Early Diagnosis of Coronary Artery Disease in GP patients

F.H. Rutten, MD, PhD (UMCU)

Is there a role for Coronary Calcium Score in General Practice?

Prof. J.E. Wildberger, MD, PhD (MUMC)

American Perspective on Calcium Scoring

Prof. A.E. Stillman, MD, PhD (Emory University)

10.00 – 10.30 Coffee break

10.30 – 12.30

Session 2: Fractional Flow Reserve (FFR) Measurement

FFR: What do We Actually Measure?

T.P. van de Hoef, MD, PhD (AMC)

CT-FFR: Ready for Practice?

M. Voskuil, MD, PhD (UMCU)

Can Quantitative Coronary Angiography FFR Replace Pressure Wires?

Prof. P. van der Harst, MD, PhD (UMCG)

Value of Stressless FFR

Prof. N. van Royen, MD, PhD (UMCN).

12.30 – 13.30 Lunch

13.30 – 16.00

Session 3: ECV and Mapping in Cardiomyopathy

Quantitative Mapping Techniques: The Basics

Prof. H.J. Lamb, MD, MSc, PhD (LUMC)

Rest-Stress T1 and T1-Reactivity in Patients With and Without Coronary Artery Disease

M. van Assen, MSc (UMCG.MUSC)

T1 Mapping & ECV - Ready for Prime Time?

J. Habets, MD, PhD (UMCU)

T2 Mapping - Applications and Limitations

R.N. Planken, MD, PhD (AMC)

Effect of Caffeine Intake on Myocardial Blood Flow

R. van Dijk, MD (UMCG)

Accreditation is requested from the societies below.

Accreditation points 2017

Radiological Society of the Netherlands (NVvR): 17

Cardiological Society of the Netherlands (NVvC): 18

Society of Nuclear Medicine (NVNG): 17

PROGRAM

Friday 19 January 2018

08.30 – 10.00

Session 4: Machine Learning in Cardiovascular Imaging

Introduction to Radiomics and Machine Learning

L. Hogeweg, PhD (COSMONIO)

Initial Experience with Machine Learning in Cardiovascular Imaging

J.M. Wolterink, PhD (UMCU)

Clinical Perspective

Prof. T. Leiner, MD, PhD (UMCU)

10.00 – 10.30 Coffee break

10.30 – 11.50

Session 5: Myocardial Perfusion Quantification

SPECT: Requiem or Revival?

H.J. Verberne, MD, PhD (AMC)

MRI: The New Gold Standard?

Prof. M. Oudkerk, MD, PhD (UMCG)

PET is It!

E.V. Garcia, MD (Emory University)

CT: Absolute Quantification Within Dose Limits?

Prof. T. Leiner, MD, PhD (UMCU)

11.50 – 12.50

Session 6 : Paradigm Shifts

The AMACING Study - To Hydrate or Not to Hydrate?

Prof. J.E. Wildberger, MD, PhD (MUMC)

The Splenic Switch Off Sign

Prof. M. Oudkerk, MD, PhD (UMCG)

Paradigm Shift from Therapeutic to Preventive Purposes in Imaging of Coronary Artery Disease: Learn from CRONOS-ADM Registry

Prof. Jung Im Jung, MD, PhD (Seoul St Mary's Hospital, The Catholic Univ. of Korea)

How We Move to Low Dose and Low Contrast Cardiac CT Angiography in the New Era.

Prof. Tae Hoon Kim, MD, PhD (Gangnam Severance Hospital, Yonsei University College of Medicine)

12.50 – 13.45 Lunch

13.45 – 14.15

Session 7: Selected EPOS Poster Presentations

14.15 – 16.15

Session 8: US Frontiers in Cardiac Imaging

Role of Image Processing in Cardiac CT

Prof. H.I. Litt, MD, PhD (Univ. Pennsylvania)

SQUEEZ CT

A. Pourmorteza, PhD (Emory University)

PET-MR: Is the Whole Greater than the Sum of the Parts?

P. Woodard, MD (Washington University)

Clinical Decision Support Systems in Myocardial Perfusion Imaging

E.V. Garcia, MD (Emory University)

PROGRAM

Saturday 20 January 2018

08.30 – 10.00

Session 9: Imaging in Grown Ups with Congenital Heart Disease (GUCH)

Basics of GUCH Imaging protocol

Prof. H.I. Litt, MD, PhD (Univ. Pennsylvania)

When CT? when MR?

H.B. Grotenhuis, MD, PhD (Wilhelmina Childrens Hospital)

Most common clinical GUCH questions

R.N. Planken, MD, PhD (AMC)

10.00 – 10.30 Coffee break

10.30 – 11.30

Session 10: Indications for Invasive Coronary Angiography

What does the Interventional Cardiologist want from Non-Invasive Imagers?

Prof. P. van der Harst, MD, PhD (UMCG)

Shortcomings of Non-Invasive Techniques

Prof. T. Leiner, MD, PhD (UMCU)

The CARMENTA study

M.W. Smulders, MD (MUMC)

11.30 – 12.30

Session 11: Cardiac Imaging Strategies in Women

Cardiovascular Imaging in Women: A Holistic Perspective

Prof. A.H.E.M. Maas, MD, PhD (UMCN)

Unmasking Elevated Cardiovascular Risk in Young Women with Imaging

Prof. B.K. Velthuis, MD, PhD (UMCU)

Myocardial Infarction in Women, a Diagnostic Challenge

A.W.J. van 't Hof, MD, PhD (MUMC)

12.30 – 13.30 Lunch

13.30 – 14.30

Session 12: Dual Energy CTA

DECT in Pulmonary Imaging

Prof. E.J. van Beek, MD, PhD (University Edinburgh)

DECT: Opportunities in the Heart

Prof. R. Vliegenthart, MD, PhD (UMCG)

Update on Photon Counting CT

A. Pourmorteza, PhD (Emory University)

14.30 – 15.30

Session 13: Local Caribbean/South American Session

Imaging in pulmonary hypertension and thromboembolic pulmonary disease

J.C. Aldana, MD (Fundación Clínica Shaio)

Cardiology in St. Martin

M. Sedney, MD, PhD (St. Martin)

Topic T.b.d.

R. Cerci, MD, PhD (Quanta - Diagnóstico e Terapia)

Rheumatic Heart Disease Is Alive and Well.

C.J. Herrera, MD, PhD (Cedimat Cardiovascular Center)

15.30 – 15.45

Closing Remarks, EPOS Award, and Meeting Closure