

Netherlands Heart Days 2019

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Venue:

Willemstad Room of the Hilton Hotel
Curaçao

13th Netherlands Heart Days Curaçao

17-19 January 2019



Sponsors 2019:

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LIFE FROM INSIDE



NASKHO
Netherlands Antilles Foundation
for Clinical Higher Education

Groningen, July 2018

Dear Colleagues,

We are very pleased to present the programme for the **13th Netherlands Heart Days (NHD)** from **January 17 – 19, 2019** 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 together with the section Cardiovascular Radiology of the Radiological Society of The Netherlands, in close cooperation with the NASKHO (Netherlands – Caribbean Foundation for Clinical Higher Education).

This years' program covers topics on coronary plaque imaging, myocardial perfusion quantification, machine learning in cardiovascular imaging, and many more. On the last day, the traditional 'local' session will cover new developments in radiology and cardiology in these regions with speakers from the Caribbean and South America.

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, 2018.

We hope to welcome you in Curaçao in January!

Prof. T. Leiner
Prof. H.J. Lamb
Prof. M. Oudkerk

For more information visit www.nnhd.org

PROGRAM

Thursday 17 January 2019

08.15 – 08.30
Official opening

08.30 – 10.00
Session 1
Angina Pectoris in the Netherlands / NIZ report
Critical Assessment of Symptoms
Prof. P. van der Harst, MD, PhD (UMCG)
Diagnostic Algorithms of Non Invasive Tests
B.L.J.H. Kietselaer, MD, PhD (Zuyderland)
The SCOTHEART Study: CTA as First Line Test in Angina Pectoris
Prof. E.J. van Beek, MD, PhD (University Edinburgh)

10.00 – 10.30 **Coffee break**

10.30 – 12.30
Session 2
Early Coronary Artery Disease Assessment
Identification of Asymptomatics at Increased Risk: First ROBINSCLA Results
Prof. H.J. de Koning, MD, PhD (ErasmusMC)
An Imaging Based Cardiovascular Risk Score in a Scottish Population
Prof. E.J. van Beek, MD, PhD (University Edinburgh)
Value of Exercise ECG in Chest Pain
M. Vonder, PhD (UMCG)
Non-invasive imaging algorithm in chest pain
M.W. Smulders, MD (MUMC)

12.30 – 13.30 **Lunch**

13.30 – 14.50
Session 3
Myocardial Perfusion Quantification
Synthetic Mapping
R. van Dijk, MD (UMCG)
CT Perfusion
Prof. R. Vliegenthart, MD, PhD (UMCG)
MR Perfusion
Prof. M. Oudkerk, MD, PhD (UMCG)
Nuclear Perfusion
E.V. Garcia, PhD (Emory University)

14.50 – 16.00
Imaging the Woman's Heart
The View of the Cardiologist, Radiologist and Gynaecologist
S.E. Elias-Smale, MD, PhD (RadboudUMC)
Prof. B.K. Velthuis, MD, PhD (UMCU)
B.B. van Rijn, MD, PhD (UMCU)

Accreditation is requested from the societies below.
Accreditation points 2018
Radiological Society of the Netherlands (NVvR): 17.5
Cardiological Society of the Netherlands (NVvC): 17
Society of Nuclear Medicine (NVNG): 18

PROGRAM

Friday 18 January 2019

08.30 – 10.00
Session 4
Parametric CMR in Myocardial Disease
T1-/ECV-Mapping of Cardiomyopathies
Prof. H.J. Lamb, MD, MSc, PhD (LUMC)
T1-Mapping Stress Principles
Prof. M. Oudkerk, MD, PhD (UMCG)
T2* Iron Quantification
Prof. T. Leiner, MD, PhD (UMCU)

10.00 – 10.30 **Coffee break**

10.30 – 12.30
Session 5
Machine Learning in Cardiovascular Imaging
Only Added Value of Machine Learning?
Prof. T. Leiner, MD, PhD (UMCU)
Feasibility of CAD Identification
M. van Assen, MSc (UMCG/MUSC)
Radiomics of Coronary Plaque
P. Maurovich-Horvat, MD, PhD (Simmelweis University)
CV Event Prediction
Prof. J.E. Wildberger, MD, PhD (MUMC)

12.30 – 13.30 **Lunch**

13.30 – 14.30
Session 6
Coronary Plaque Imaging
Calcium Plaque: Two Origins?
Prof. A.C. van der Wal, MD, PhD (AUMC)
CT Plaque Progression: The PARADIGM Study
Prof. J.K. Min, MD, PhD (Weill Cornell Medical College)
CT of the culprit lesion
P. Maurovich-Horvat, MD, PhD (Simmelweis University)

14.30 – 15.15
Session 7
Selected EPOS Poster Presentations

15.15 – 16.35
Session 8
US Frontiers in Cardiac Imaging
Update on Coronary Artery Calcium Score
Prof. A.E. Stillman, MD, PhD (Emory University)
NaF PET in patients having diabetes mellitus or HIV
Prof. P. Raggi, MD, PhD (University of Alberta)
Artificial Intelligence/Machine Learning Clinical Applications:
Development of a Regulatory Framework in the US
C. de Secco, MD, PhD (Emory University)
Future directions for photon counting CT
S. Ulzheimer, PhD (Siemens Healthcare)

PROGRAM

Saturday 19 January 2019

08.30 – 10.00
Session 9
Valve Imaging: Modality Indications
Ultrasound: Screening only?
T.b.a.
CT: only Pre-Operative?
R.A. Salgado, MD, PhD (University Hospital Antwerp)
MRI: 4D Flow only?
R.N. Planken, MD, PhD (AMC)

10.00 – 10.30 **Coffee break**

10.30 – 12.00
Session 10
Haemodynamic Significance of Coronary Stenosis
CT Assessment of Haemodynamic Relevance of Coronary Stenosis
R.A.P. Takx, MD, PhD (UMCU/St. Antonius Hospital Nieuwegein)
CT FFR in Multi Vessel CAD
C. Collet Bortone, MD, PhD (UZ Brussels)
CFR vs FFR
Prof. P. van der Harst, MD, PhD (UMCG)

12.00 – 13.00 **Lunch**

13.00 – 14.00
Session 11
Spectral Imaging
Principles of Technological Platforms
Prof. T. Leiner, MD, PhD (UMCU)
Clinical Applications of Spectral CT
M. van Assen, MSc (UMCG/MUSC)
Spectral Imaging Finger Printing
R.W. van Hamersvelt, MD (UMCU)

14.00 – 15.20
Session 12
Local Caribbean/South American Session
Title t.b.a.
M.S. Bittencourt, MD, PhD (University of Sao Paulo)
Title t.b.a.
R. Cerci, MD, PhD (Quanta-Diagnóstica e Terapia, Curitiba)

15.20 – 15.30
Closing Remarks, EPOS Award, and Closing of the Meeting