

## Netherlands Heart Days 2020

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### Venue:

Arawak Ballroom of the Santa Barbara Hotel  
Curaçao

## 14<sup>th</sup> Netherlands Heart Days Curaçao

### 16-18 January 2020



### Sponsors:

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Dear Colleagues,

We are very pleased to present the program for the 14<sup>th</sup> Netherlands Heart Days (NHD) **January 16 – 18, 2020** in Curaçao.

The NHD is a high-level multidisciplinary annual meeting in cardiovascular radiology with participants from Europe, the entire Caribbean area, as well as North and South America.

The meeting is organized by the NHD together with the NASKHO (Netherlands–Caribbean Foundation for Clinical Higher Education) and Subspecialty Section on Cardiovascular Radiology of the Radiological Society of The Netherlands.

This year's program has a special Thursday program focusing on imaging lung cancer, screening for lung cancer and emphysema. Furthermore, on Thursday and Saturday hands-on case reading sessions on cardiac CT and lung cancer screenings are offered parallel to the main program. The Friday and Saturday sessions will cover topics such as machine learning, new imaging techniques, cardiac amyloidosis, CT-FFR, new developments in imaging and treatment of valvular disease and cardio-oncology. Lectures will be given by a mix of European and local Caribbean experts and speakers from North- and South America.

Young researchers 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.

Early fee registration is open until December 1, 2019.

We hope to welcome you in beautiful Curaçao in January!

J.W.C. Gratama  
Prof. T. Leiner,  
Prof. H.J. Lamb  
Prof. M. Oudkerk

## PROGRAM

Thursday 16 January 2020

**07.45 – 08.00**

Official opening

**08.00 – 09.30**

**Session 1: Imaging biomarkers for Early detection of Big-3 disease**

Lung Cancer Imaging Biomarkers & Long Nodule Management

*M.A. Heuvelmans, MD, PhD (UMCG/MST)*

Emphysema in Lung Cancer Screening

*K. Dziadziuszko, MD (Medical University of Gdansk)*

CVD Imaging Biomarkers

*M. Vonder, PhD (UMCG)*

**09.30 – 10.00 Coffee break**

**10.00 – 11.00**

**Session 2: Lung Cancer Screening**

Final Results of NELSON

*Prof. H.J. de Koning, PhD (Erasmus MC)*

Lung Cancer Biomarkers : MILD Study

*U. Pastorino, MD (IRCCS Ist. Nazioanle dei tumori)*

Lung Cancer Screening in Poland: Comorbidities

*Prof. W. Rzyman, MD (Medical University Gdansk)*

**11.00 – 12.00**

**Session 3: Lung Nodule Detection and Characterization**

Sex Differences in Lung Cancer: Implications for Screening

*M.A. Heuvelmans, MD, PhD (UMCG/MST)*

Baseline Nodules in Lung Cancer Screening

*M. Silva, MD, PhD (University of Parma)*

Incidental Nodules in Lung Cancer Screening

*J.E. Walter, MD, PhD (University Hospital Basel)*

**12.00 – 13.00 Lunch**

**13.00 – 14.00**

**Session 4: Participant Recruitment and Risk Profiling**

UK Recruitment Strategies

*Prof. D.R. Baldwin, MD (Nottingham University Hospital)*

Lung Cancer Screening Risk Modelling

*Prof. J.K. Field, MD, PhD (The University of Liverpool)*

Overdiagnosis: A Malformed Concept

*Prof. J.F. Yankelevitz, MD, PhD (Mount Sinai Hospital)*

**14.00 – 15.00**

**Session 5: Big 3 Hot Topics**

B3 Early Detection in EU Lung Cancer Study

*Prof. M. Oudkerk, MD, PhD (RUG/Institute of Diagnostic Accuracy)*

Impact of Stage Shift in Lung Cancer Screening.

*Prof. D.R. Baldwin, MD (Nottingham University Hospital)*

B3 Findings in the General Population

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

**08.00 – 15.00**

Parallel session with Supervised Hands-On Case

Reading of 50 Cardiac CTs

*(Optional, separate sign up)*

**17.00 – 19.00**

Welcome Drinks

## PROGRAM

Friday 17 January 2020

**08.00 – 09.30**

**Session 6: Machine Learning in Cardiothoracic Imaging:**

**A Primer**

Basics of Machine Learning for Cardiothoracic Imagers

*Q. Tao, PhD (LUMC)*

Impact of Machine Learning on Cardiothoracic Imaging

*M. van Assen, PhD (Emory University)*

Where does Machine Learning add Value Today?

*C.N. De Cecco, MD, PhD (Emory University)*

**09.30 – 10.00 Coffee break**

**10.00 – 11.00**

**Session 7: The Obesity Epidemic from an Imaging**

**Perspective**

Obesity and Type 2 Diabetes - the Perfect Cardiovascular Storm?

*A.F. Liqui Lung, MD (Heart and Lung Center Curaçao)*

Managing high risk Patients - a Caribbean Perspective

*T.b.a.*

The Role of Cardiovascular Imaging in Obesity and DM2

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

**11.00 – 12.00**

**Session 8: New Cardiovascular Imaging Techniques**

4D Flow Imaging

*J.J.M. Westenberg, PhD (LUMC)*

Advanced Cardiac Motion Analysis

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

Multi-Energy CT

*M. van Assen, PhD (Emory University)*

**12.00 – 13.00 Lunch**

**13.00 – 13.40**

**Session 9: Selected EPOS Poster Presentations**

**13.40 – 15.00**

**Session 10: Big-3 Opportunities for Early Disease Detection**

Current Status of Coronary Calcium Scoring

*M. Vonder, PhD (UMCG)*

Aortic Aneurysm

*J.J.M. Westenberg, PhD (LUMC)*

Interstitial Lung Disease Assessment in a Screening Setting

*Prof. J.F. Yankelevitz, MD, PhD (Mount Sinai Hospital)*

COPD/ Emphysema Assessment in a Screening Setting

*H.J. Wisselink, MSc (UMCG)*

**20.00 – 22.30**

Conference Dinner

*Accreditation is requested from the societies below.*

*Accreditation points 2019*

*Radiological Society of the Netherlands (NVvR): 17*

*Cardiological Society of the Netherlands (NVvC): 17*

*Society of Nuclear Medicine (NVNG): 17*

## PROGRAM

Saturday 19 January 2019

**08.00 – 09.30**

**Session 11: Comprehensive assessment of CAD with CT - Current Status**

CT Perfusion

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

CT-FFR - Basic Principles

*Prof. R.P.J. Budde, MD, PhD (ErasmusMC)*

Is CTA really the One-Stop Shop?

*M.S. Bittencourt, MD (University of Sao Paulo)*

**09.30 – 10.00 Coffee break**

**10.00 – 11.00**

**Session 12: Special Focus Session: Imaging of Cardiac Amyloidosis**

Pathophysiology of Amyloidosis

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

MR Imaging of Amyloidosis

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

PET Imaging of Amyloidosis

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

**11.00 – 12.00**

**Session 13: GUCH - Tips & Tricks for the General Cardiac Imager**

The Most Common Diagnoses including their CT and MR Findings

*R.N. Planken, MD, PhD (Amsterdam UMC/AMC)*

Caribbean Perspective

*S.M. Lo-A-Njoe, MD (SEHOS)*

**12.00 – 13.00 Lunch**

**13.00 – 14.00**

**Session 14: State of the Art Imaging and Treatment of Valvular Heart Disease**

Modern Interventional Techniques

*M. Swaans, MD, PhD (St. Antonius Hospital)*

The Optimization of Radiation and Contrast Doses in CT

Cardiothoracic Images

*J.C. Aldana, MD (Fundacion Shaio)*

Non-Invasive Imaging - CT and MRI

*Prof. R.P.J. Budde, MD, PhD (ErasmusMC)*

**14.00 – 15.00**

**Session 15: Hot Topics in Cardiac Imaging: Cardio-Oncology**

The Effects of Chemotherapy on the Heart and Early

Detection with Echocardiography

*M.J.M. Cramer, MD, PhD (UMCU)*

The Role of CT and MR in Cardio Toxicity

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

**15.00 – 15.15**

Closing Remarks, EPOS Award, and Closing of the Meeting

**08.00 – 15.00**

Parallel session with Supervised Hands-On Case

Readings Lung Cancer Screening

*(Optional, separate sign up)*