

Preliminary Program



Thursday, September 2nd 2021

08.30 Registration, Coffee

Lectures (at the Forestzaal, Noordwest Ziekenhuisgroep, Alkmaar)

09.00 Opening

*Prof. Riemer H.J.A. Slart, MD PhD, Nuclear Medicine Physician
Prof. Jan Hein Cornel, MD PhD, Cardiologist*

09.10 Recap of basic cardiac anatomy and physiology

Prof. Jan Hein Cornel, MD PhD, Cardiologist

09.30 Procedure protocols, stress agents; when (not) to choose which? Coping with complications during stress tests. ECG reading: identifying ischemia and arrhythmia

Jouke J. Boer, MD, Nuclear Medicine Physician

10.00 Patient selection for cardiac PET

Remco J.J. Knol, MD PhD, Nuclear Medicine Physician

10.15 **Coffee break**

10.45 Cardiac PET imaging procedure. Kinetic modeling and choice of cardiac PET tracers.

Sergiy V. Lazarenko, PhD, Medical Physicist

11.15 Cardiac PET reading & reporting

Remco J.J. Knol, MD PhD, Nuclear Medicine Physician

11.40 FDG PET in cardiac viability and sarcoidosis

Prof. Riemer H.J.A. Slart, MD PhD, Nuclear Medicine Physician

12.05 Cardiac FDG PET (endocarditis)

Asbjørn M. Scholtens, MD, Nuclear Medicine Physician

12.30 **Lunch**

Hands-on training (at the Noordwest Academie at location Westerlicht)

13.45 Processing of scans in Corridor 4DM, Cedars, Syngo.MBF

- Buttonology and image processing
- Cases: Normal, ischemia, infarction
- Cases: Myocardial blood flow measurements
- Structured reporting
- Demo stations for cardiac PET processing: PMOD and CardIQ Physio
- 15.00 Demo Corridor 4DM
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16:30 **Site visit (department NM and Cyclotron)**

Ronald G. Pronk, MSc, Lars van Wunnik BSc, Carlos J.R. Bulder, BSc

18:00 **Dinner in the historic center of Alkmaar**



Program may be subject to change. In case of international attendees, the spoken language of the entire course will be English, otherwise Dutch. See the website for additional information, registration, important dates, locations and current COVID-19 issues.

Preliminary Program

Friday, September 3rd 2021



08.30 Coffee

Lectures (held at the Foreestzaal, Noordwest Ziekenhuisgroep Alkmaar)

09.00 Physics, acquisition, reconstruction and artifacts. New developments in software and PET technique.

Sergiy V. Lazarenko, PhD, Medical Physicist

09.30 Correlation with other imaging techniques: CCTA, cardiac MR, CAG, FFR

Tjeerd Germans, MD PhD, Cardiologist

09.55 FFR, CFR and ischemia: all the same?

H.J. Verberne, MD PhD, Nuclear Medicine Physician

10.20 Coffee break

10.45 Extracardiac findings

Friso M. van der Zant, MD PhD, Nuclear Medicine Physician

11.10 Artificial intelligence in cardiac PET

To be confirmed

11.35 Features and new developments in cardiac PET processing software

- PCARD (PMOD)
- Syngo.MBF (Siemens)
- Corridor 4DM (INVIA)
- aQuant (Medtrace)

11.55 Cardiac PET tracer production

Radiopharmacist Northwest Clinics, QP

12.15 New developments in Cardiac PET radionuclide production

- IBA
- GE Healthcare
- IONETIX

12.30 Lunch

Hands-on training (at the Noordwest Academie at location Westerlicht)

13.45 Processing of scans in Corridor 4DM, Cedars, Syngo.MBF

- Cases: Normal, ischemia, infarction
- Cases: Pitfalls & Artifacts
- Cases: Extracardiac findings
- Structured reporting
- Demo stations for cardiac PET processing

16.30 Farewell drink