

Program

Thursday, September 24th 2020

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)

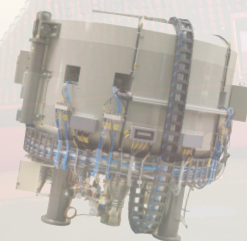
13.45 Processing of scans in Corridor 4DM, Cedars, Syngo.MBF

- 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 (Lana Figueiredo, INVIA Education Manager)

16:30 **Site visit (department NM and Cyclotron)**

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

18:00 **Dinner**



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.

Program

Friday, September 25th 2020



08.30 Coffee

Lectures (at the Aletta Jacobszaal, 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?

Hein 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

Luis E. Juárez-Orozco, MD PhD

11.35 Features and new developments in cardiac PET processing software

- PCARD (PMOD) - Tomasz Kubik, PhD Software developer
- Syngo.MBF (Siemens) - Mohammad Raza Khan, MPhys, MSc, Product Manager
- Corridor 4DM (INVIA) - Lana Figueiredo, INVIA Education Manager
- aQuant (Medtrace) - Prof. Mark Lubberink, PhD Uppsala University

11.50 AURORA Trial (¹⁸F-Flurpiridaz): Current status

Dirk N.J. Wyndaele, MD, Nuclear Medicine Physician

11.55 Cardiac PET tracer production

Radiopharmacist Northwest Clinics, QP

12.15 New developments in Cardiac PET radionuclide production

- IBA - Cristiana Goncalves Gameiro, PhD, Product Manager
- GE Healthcare - Etienne Vallée, Radiopharmacy Product Manager
- IONETIX - David Eve, VP Medical Affairs at Ionetix Corporation

12.30 Lunch

Hands-on training (at the Noordwest Academie)

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: PMOD and CardIQ Physio
- 14.00 Demo aQuant (Prof. Mark Lubberink, PhD Uppsala University / Medtrace)
- 14.30 Demo PCARD (Tomasz Kubik, PhD Software developer)

16.30 Farewell drink

