



ALKMAAR CARDIAC PET/CT WORKSHOP

TUESDAY 12 MAY 2026

WEDNESDAY 13 MAY 2026

09.00 Registration, Coffee

Lectures

09.30 Opening

Prof. Jan Hein Cornel, MD PhD, Cardiologist

09.35 Basics, cardiac PET reading & reporting

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

10.10 Patient selection for cardiac PET. Diagnostic accuracy and prognostic value of cardiac PET

Ibrahim Danad, MD PhD, Cardiologist

10.45 Coffee break

11.15 Cardiac PET imaging. Myocardial blood flow and choice of cardiac PET tracers

Sergiy V. Lazarenko, PhD, Medical Physicist

11.50 Cardiac FDG PET (endocarditis)

Asbjørn M. Scholtens, MD PhD, Nuclear Medicine Physician

12.15 Lunch

Hands-on training

13.30 - 16.30 Processing of ¹³N-Ammonia scans in Corridor 4DM, QPET, Syngo.MBF

- Buttonology and image processing
- Buttonology CaSc
- Cases: Normal, ischemia, infarction
- Cases: Myocardial blood flow measurements
- Cases: Pitfalls

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

14.45 Evolving methods for PET myocardial flow quantification

Jennifer Renaud, MSc, Research Scientist, INVIA Medical Imaging Solutions

15:30 Coffee break

15.45 Coronary artery calcium scoring from low dose CT scans

Sergiy V. Lazarenko, PhD, Medical Physicist

(16:55 Walk to the main hospital building, department of Nuclear Medicine)

17.10 Site visit department of Nuclear Medicine

18.00 Canal cruise through the historic city center of Alkmaar

(weather permitting)

19.00 Dinner in the Alkmaar city center

08.30 Coffee

Lectures

09.00 Physics and PET acquisition. Kinetic modeling and quantitative PET in cardiology

Prof. Mark Lubberink, PhD, Medical Physicist, Uppsala University, Sweden

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

Tjeerd Germans, MD PhD, Cardiologist

10.05 FFR, CFR and ischemia: all the same?

Tim van de Hoef, MD PhD, Cardiologist

10.30 Coffee break

11:00 Artifacts and limitations in cardiac PET

Sergiy V. Lazarenko, PhD, Medical Physicist

11.30 Scientific session

- Recent advances in absolute myocardial blood flow quantification by PET
Oscar I. Mendoza Ibanez, MD, PhD candidate
- ECG-gated PET/CT. Beyond cardiac volumes and ejection fraction
Samara Martinez Lucio, MD, PhD candidate
- Multi-organ perfusion dynamics under adenosine stress in healthy volunteers: Insights from total-body ammonia PET
Yingqi Hu, MD, PhD candidate

12.15 Lunch

Hands-on training

13.15 - 15.45 Hands-on Cardiac PET cases featuring:

Pitfalls & artifacts

Sergiy V. Lazarenko, PhD, Medical Physicist

Various tracers

¹³N-Ammonia

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

¹⁵O-H₂O

Prof. Mark Lubberink, PhD, Medical Physicist, Uppsala University, Sweden

¹⁸F-Flurpiridaz

Marjolein Hol, MD, Nuclear Medicine Physician

⁸²Rb-Rubidium

Jouke Boer, MD, Nuclear Medicine Physician

14:15 Coffee break

15:45 Roundtable discussion: Which tracer is best for your practice?