



# ALKMAAR CARDIAC PET/CT WORKSHOP

22-23 SEPTEMBER 2022

from basic to advanced  
knowledge in Cardiac PET

Lectures

Hands-on training

Lunch & dinner included

Organizing committee:  
Remco JJ Knol, MD PhD  
Sergiy V Lazarenko, PhD

Friso M van der Zant, MD PhD  
Prof. Riemer HJA Slart, MD PhD  
Prof. Jan Hein Cornel, MD PhD

Join us at the Noordwest Academy Alkmaar  
Registration opens May 25<sup>th</sup> 2022: see [www.petctworkshop.nl](http://www.petctworkshop.nl)

# Program

Thursday, September 22<sup>nd</sup> 2022

08.30 Registration, Coffee

**Lectures** (at the Foreestzaal, Noordwest Ziekenhuisgroep, Alkmaar)

09.00 Opening

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

09.05 Recap of basic cardiac anatomy and physiology

*Prof. Jan Hein Cornel, MD PhD, Cardiologist*

09.15 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*

09.35 Cardiac PET reading & reporting

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

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

*Ibrahim Danad, MD, PhD, Cardiologist*

**10.20 Coffee break**

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

*Sergiy V. Lazarenko, PhD, Medical Physicist*

11.15 Artificial intelligence in cardiac PET

*Luis E. Juárez-Orozco, MD PhD*

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**

13.15 Site visit (department of Nuclear Medicine, 0030)

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

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

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

15.00 Stent Side Branch Occlusion

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

15.30 Coronary artery calcium scoring from low dose CT scans - how to proceed?

*Sergiy V. Lazarenko, PhD, Medical Physicist*

**16.45 Site visit (department NM & Cyclotron, Noordwest Ziekenhuisgroep, Alkmaar)**

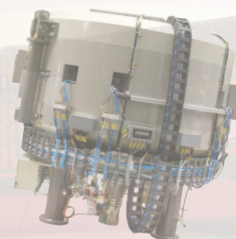
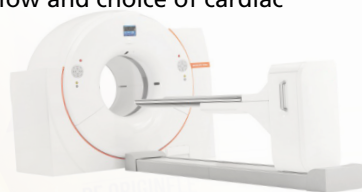
*Ronald G. Pronk, MSc*

Cardiac PET tracer production

*Marja D.L. ter Borg, Radiopharmacist/QP*

**17.45 Alkmaar Canal Boat Tour**

**18.30 Dinner in the Alkmaar city center**



# Program

Friday, September 23<sup>rd</sup> 2022

08.30 Coffee



## Lectures (held at the Forestzaal, Noordwest Ziekenhuisgroep Alkmaar)

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

*Sergiy V. Lazarenko, PhD, Medical Physicist*

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

*Tjeerd Germans, MD PhD, Cardiologist*

09.50 FFR, CFR and ischemia: all the same?

*Tim van de Hoef, MD PhD, Cardiologist*

10.15 Extracardiac findings

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

10.30 Coffee break

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

*Prof. Mark Lubberink, PhD Uppsala University, Sweden*

11.45 AURORA Trial (<sup>18</sup>F-Flurpiridaz): Current status

*Erik-Jan van Asperen, MD, Nuclear Medicine Physician*

12.05 Cardiac PET facilities and tracer production. Preparing a business case for cardiac PET/CT

*Klaas Pieter Koopmans, MD PhD, Nuclear Medicine Physician*

12.30 Lunch

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

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

- Cases: Various
- Cases: Pitfalls & Artifacts
- Cases: Extracardiac findings
- Demo stations for cardiac PET processing

14.15 Data Driven Motion Correction for PET cardiac perfusion scans

*Chuck Hayden, Sr Staff Scientist, Siemens Healthcare*

15.15 Features and new developments in cardiac PET processing software

*Sergiy V. Lazarenko, PhD, Medical Physicist*

16.30 Farewell drink



Program may be subject to change. The spoken language of the entire course will be English,  
See the website for additional information, registration, important dates, locations

## Location

The Alkmaar Cardiac PET/CT Workshop 2022 will be held at the Noordwest Ziekenhuisgroep (location Alkmaar) and the Northwest Academy of the Noordwest Ziekenhuisgroep. This location is easy to reach by public transport or by car.

## Registration

Registration starts on May 25<sup>th</sup> 2022 and will be processed in order of receipt. If the number of available seats is exceeded, participants can, if desired, be placed on a reserve list.

Early registration is recommended. Registration only becomes final after your payment is confirmed. The workshop will only take place when a minimum of 12 participants apply.

## Registration fees

The registration fee of the workshop is €650 for early registration **before or on September 15<sup>th</sup>, 2022**. From **September 16<sup>th</sup>, 2022** the registration fee will be €850. This includes course material, coffee/tea, lunches and a joint dinner in the Alkmaar city center. Payment must be made electronically after which a proof of payment will be sent. For payment by credit card an additional 5% will be added to your registration fee.

## Cancellation terms and conditions

Cancellation of your registration must be done in writing via [info@petctworkshop.nl](mailto:info@petctworkshop.nl) (Els Moester) and is final only after written confirmation.

## Refund policy in case of cancellation

From June 1<sup>st</sup> to July 31<sup>st</sup>, 2022: full refund minus €50,- administration costs.

From August 1<sup>st</sup> to August 21<sup>st</sup>, 2022: 80% refund. After August 21<sup>st</sup>, 2022 no refund will be given.

Full refund if the workshop is cancelled when the minimum of 12 participants is not reached.

## Credits

Accreditation by NVNG, NVVC and NVKF is requested for 12 points each.

## COVID-19

We aim an occupancy of two participants per workstation for the hands-on workshops. However, if COVID-19 distance restrictions are again imposed, only one participant per workstation will be allowed. If the RIVM or Dutch government imposes very strict restrictions on COVID-19 and as a result the workshop cannot take place, a refund of the entire registration fee minus €50,- administration costs will follow.

The organization reserves the right to change the speakers and/or the program, for instance to divide the workshops into two smaller groups (morning and afternoon sessions will then be switched for one group).

In case of cancellation due to COVID-19 restrictions, the organization will not be liable for any consequential damages.



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NEDERLANDSE  
VERENIGING VOOR  
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GENESKUNDE



This workshop is supported by



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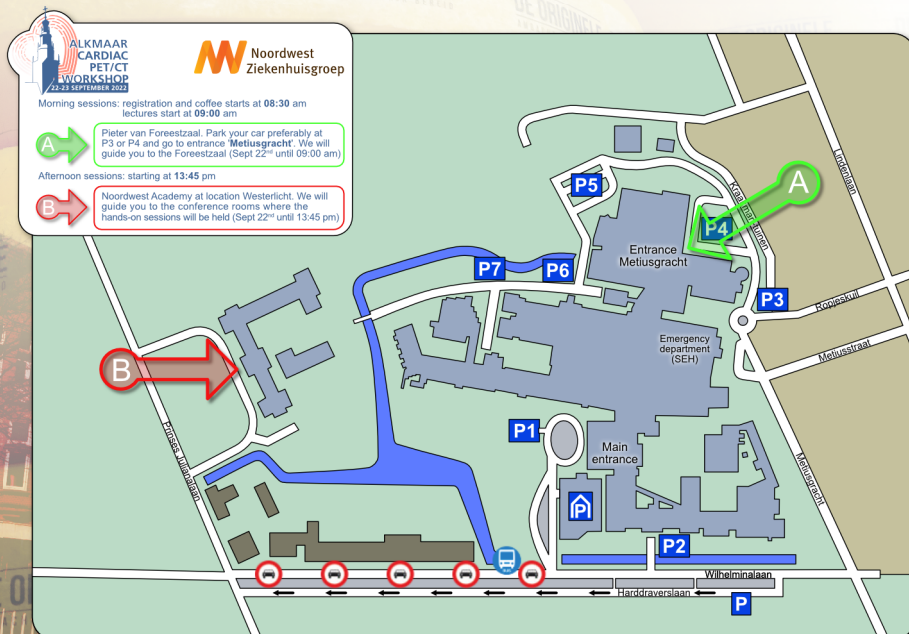
MEDTRACE

Morning sessions: Noordwest Ziekenhuisgroep (Alkmaar)

(Wilhelminalaan 12, 1815 JD Alkmaar)

Hands-on sessions: Noordwest Academie (Alkmaar)

(Location Westerlicht, Prinses Julianalaan 14, 1815 JE Alkmaar)



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Information in this flyer may be subject to change. See website for the latest details.