Leiden University Medical Center

The LUMC is a modern knowledge center. The more than 7000 staff members of the LUMC are passionate about improving patient care through scientific research. The University offers courses of instruction and continuing education to train doctors for this purpose. The LUMC focuses on top clinical and highly specialised care: the complex medical issues for which there are often not yet any answers. With patient care and research labs under one roof, patients, doctors and researchers collaborate to develop new treatment methods.

Faculty

> **M.A.A. van Walderveen, MD, PhD**
Neurointerventionalist-neuroradiologist, Leiden University Medical Center, Leiden, the Netherlands

> **P.A. Brouwer, MD**
Neurointerventionalist, Karolinska University Hospital, Stockholm, Sweden

> **R.M.S. Joemai, PhD**
Physicist, Leiden University Medical Center, Leiden, the Netherlands

> **U. A. van der Heide, PhD**
Medical Physicist, group leader, Department of Radiotherapy, Netherlands Cancer Institute, Professor Leiden University Medical Center

> **J.J.H. Roelofs**
Specialized CT radiographer, Leiden University Medical Center, Leiden, the Netherlands

> **P.W.A. Willems, MD, PhD**
Neurosurgeon-neurointerventionalist, Leiden University Medical Center, Leiden, the Netherlands

Who should attend
Radiologists, Neurologists, Neurosurgeons and other physicians with an interest in neuro CT perfusion & 4D CTA.

Fee
€550,- for the 2-day course. The fee includes lecture materials, coffee, lunches and a dinner.

Registration
To register, please visit:
www.lumc.nl/org/radiologie/onderwijs/BijEnNascholing
For more information, please contact:
Mrs. Elmi van Beelen
Email: e.j.c.m.van_beelen@lumc.nl
Phone: +31 71 526 4376

Hotel
Hotel accommodation nearby the venue can be arranged with a discount. Please contact Mrs. Elmi van Beelen for more information.

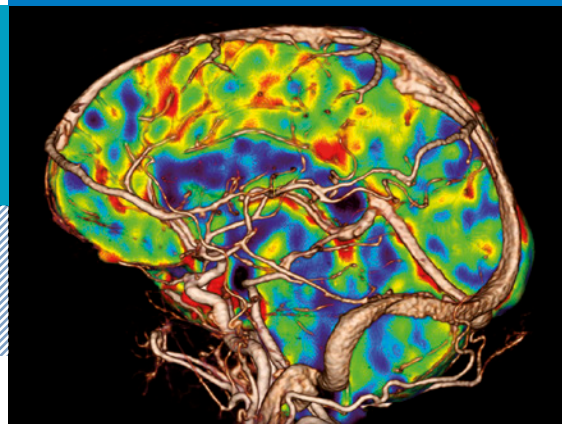
Venue
Leiden University Medical Center
Department of Radiology C2 - S
Albinusdreef 2
2333 ZA Leiden
The Netherlands

Website
www.lumc.nl/org/radiologie/onderwijs/BijEnNascholing

Leiden University Medical Center

Neurological Imaging with Dynamic Volume CT

Brain Perfusion and 4D CTA



2-day workshop

12 - 13 May 2016

Toshiba's Aquilion ONE ViSION Edition - Dynamic Volume CT

Welcome

It is our pleasure to invite you to our unique workshop on Neurological Imaging with Dynamic Volume CT. This 2-day workshop aims to provide a working knowledge of current 320-row dynamic volume MDCT (Aquilion ONE ViSION Edition) for neurological imaging, covering evaluation of both brain perfusion and dynamic CTA, as well as cerebrovascular anatomy and pathology. An experienced faculty will guide you from scan procedures to the implementation of comprehensive image protocols for diagnosis and management of neurological conditions. In addition, the highly interactive program allows hands-on interpretation and discussion of clinical case studies. Afterwards, participants will know how to apply dynamic volume CT for optimal brain imaging.

We look forward to welcoming you to Leiden!

Marianne van Walderveen

Patrick Brouwer

First Day
Brain Perfusion/Dynamic CTA

09:00 - 09:10 Opening and introduction

09:10 - 09:50 Imaging of ischemic stroke: what is important and why?
Marianne van Walderveen

09:50 - 10:15 Basic principles of perfusion
Uulke van der Heide

10:15 - 10:45 Coffee

10:45 - 11:15 Brain perfusion scan procedures and analyses
Joost Roelofs

11:15 - 12:00 Comprehensive ischemic stroke protocol: tips and tricks for the clinical practice
Marianne van Walderveen

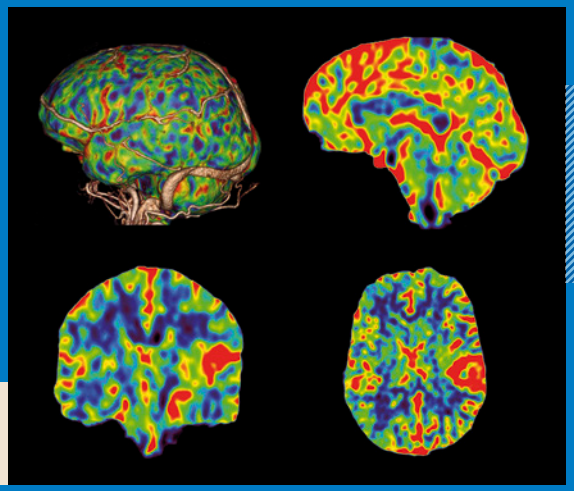
12:00 - 12:30 CT technology and radiation dose
Raoul Joemai

12:30 - 14:00 Lunch

14:00 - 14:15 Workstation introduction
Joost Roelofs

14:15 - 17:00 Hands-on workstation with clinical cases, read with the experts

19:00 - 22:00 Dinner



Second Day
4D CTA

09:00 - 09:45 Imaging of fistulous intracranial lesions, what is important and why
Patrick Brouwer

09:45 - 10:05 4D CTA acquisition protocol, how and why?
Joost Roelofs

10:05 - 10:30 4D CTA, technical possibilities, pitfalls and artifacts
Peter Willems

10:30 - 11:00 Coffee

11:00 - 11:20 4D CTA in AVMs
Peter Willems

11:20 - 11:40 4D CTA in dAVF
Peter Willems

11:40 - 12:00 4D CTA in miscellaneous clinical conditions and future applications
Patrick Brouwer

12:00 - 13:30 Lunch

13:30 - 15:45 Hands-on workstation with clinical cases, read with the experts

15:45 - 16:00 Course Diploma and Adjourn