



Course program 2020

Application Training

For radiologists, physicians,
sonographers, technologists and
system administrators

[siemens-healthineers.com](https://www.siemens-healthineers.com)



SIEMENS
Healthineers 



> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

> IT Solutions

> Mammography

> Molecular Imaging

> Magnetic Resonance Imaging

> Ultrasound

> Cardiology

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Customer Services

General Information

Dear Valued Customer,

Today I would like to invite you to join us on a lifelong journey – Education & Training!

We are aware that Healthcare providers face diverse challenges, and the well-being of patients greatly depends on the abilities and skills of medical staff. Continuous education is therefore a critical success factor. It improves clinical outcomes, leads to workflow optimization and cost efficiency.

This year's Application Training Booklet offers a comprehensive range of courses aimed at improving your staff's competency in using Siemens Healthineers equipment and strategically developing their job-specific skills, all to support best patient care and your success.

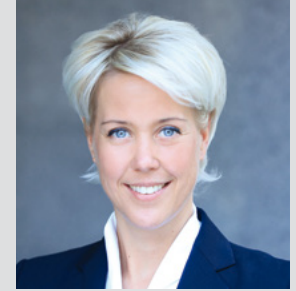
If you are looking for a holistic training approach, we can offer three new Education Plans. Each plan combines different educational activities in one comprehensive package. For more information please refer to [page 85](#).

PEPconnect and PEPconnections are our digital solutions to enable you to provide your employees with the necessary training, while keeping costs to a minimum. It allows them to access knowledge when and where they need it and is therefore seamlessly integrated into their daily routine.

You can learn more about PEPconnect and PEPconnections on [page 86](#).

If you would like to receive updates and training news throughout the year, please do not hesitate to get in touch. Our contact information is on [page 91](#).

Enjoy exploring this year's training program and embark on this journey together with us!



Dr. Janina Beilner

Siemens Healthineers,
Customer Services
Global Head of Education

Website





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General Information



Computed Tomography

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Computed Tomography

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Computed Tomography

CT Basic Course Somaris X

Basic skills for MTs/RTs



This three-day course is designed for future users of CT scanners using Somaris X. You will learn basic technical principles and how to use the user interface of CT scanners using Somaris X in more detail. The aim of the course is to teach you how to carry out various CT examinations independently. This is a very practical course and about 30 percent of the time will be spent on the scanner and 40 percent on the simulator.

Course content:

- Overview of basic technical principles and safety aspects of CT scanners using Somaris X
- Intensive training on the user interface
- Performing various CT examinations using Scan & Go
- Image reconstruction using Recon & Go
- Introduction to data postprocessing using View & Go
- Performing various CT examinations using Scan & GO including the use of My Exam Companion

Prerequisites:

- Experience using Multislice CT



30

Credit Points

Dates and language:

Mar 16–18, 2020 German
May 27–29, 2020 German
Jul 22–24, 2020 German
Sep 16–18, 2020 German

Organizer:

Siemens Healthcare GmbH

Location:

Siemens Healthineers
Global Training Center
Allee am Röthelheimpark 3
91052 Erlangen, Germany

Course size:

4–10 participants

Course fee:

10.000 DKK

This course is tax-exempt in accordance with § 4 No. 21 UStG (German VAT law)

Course ID:

CT8SOGOBAS

Registration





> Clinical Specialties

Computed Tomography

- > Cardiovascular Care
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General Information

Computed Tomography

syngo CT Professional

In-depth skills for users of Multislice CT – MTs/RTs



This three-day course is suitable for participants who require specialist training in Multislice CT. On this course various examination procedures, e.g. neuro perfusion and intervention, are demonstrated on a case-by-case basis. Particular emphasis is given to examination techniques, which are consolidated by practical exercises and sample images. Another main topic is the use of contrast media.

¹ Number of CME Credits may vary.

Course content:

- Refresher course on the basics of CT
- Contrast media in computer tomography
- Clinical speaker on the topic of contrast media
- Examination technique of neuro perfusion (without postprocessing)
- Examination technique of intervention (without postprocessing)

Prerequisites:

- Need to have operated a Multislice CT over a longer period



CME Credits



Credit Points

Dates and language:

Mar 11 – 13, 2020 German
Nov 02 – 04, 2020 German

Organizer:

Siemens Healthcare GmbH

Location:

Siemens Healthineers
Global Training Center
Allee am Röthelheimpark 3
91052 Erlangen, Germany

Clinical speaker:

University Hospital Erlangen

Course size:

4–10 participants

Course fee:

14.250 DKK
This course is tax-exempt in
accordance with § 4 No. 21 UStG
(German VAT law)

Course ID:

CT8SYNPROF

Registration





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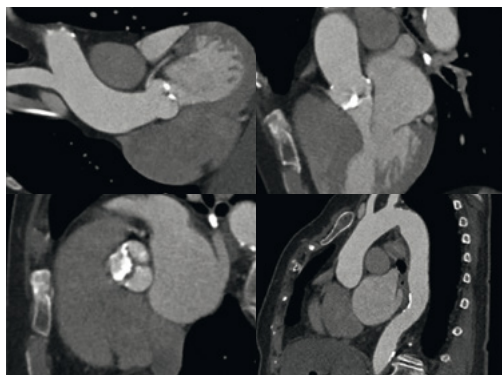
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General Information

Computed Tomography

Cardiac CT

In-depth skills for MTs/RTs and physicians



This two-day course is suitable for participants who wish to extend their knowledge of cardiac CT and related post-processing programs. Theoretical content is supplemented by practical exercises to illustrate and deepen learner knowledge.

Course content:

- Technical principles of Multislice CT and dual-source CT
- Dose modulation options (for SOMATOM Definition family, SOMATOM Edge Plus, SOMATOM Drive and SOMATOM Force)
- Gated/triggered cardiac scan protocols
- Artifact recognition and prevention
- Cardiac-specific data processing
- 2D and 3D, MIP, MPR and VRT with syngo.via

Prerequisites:

- Little or no experience working with cardiac CT systems



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Credit Points

Dates and language:

Apr 27–28, 2020 German
Oct 12–13, 2020 German

Organizer:

Imaging Science Institute
University Hospital Erlangen
Ulmenweg 18
91054 Erlangen, Germany

Location:

Siemens Healthineers
Global Training Center
Allee am Röthelheimpark 3
91052 Erlangen, Germany

Course size:

6–12 participants

Course fee:

9.240 DKK
This course is tax-exempt in
accordance with § 4 No.21 UStG
(German VAT law)

Course ID:

CT8CARDREF

Registration





> Clinical Specialties

Computed Tomography

- > Cardiovascular Care
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- > Magnetic Resonance Imaging
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Customer Services

General Information

Computed Tomography

CT Dose Optimization

In-depth skills for MTs/RTs and physicians, radiologists



In this one-day workshop Siemens Healthineers experts, as well as external consultants, impart profound knowledge from technical basics to dose management and dose reduction in Computed Tomography. You can enhance your skills about dose and scan parameters and their effect on image quality. All related topics are covered by presentations and demonstrations on the basis of case studies on simulator workstations.

Course content:

- Technical basics
- Dose and scan parameters in Computed Tomography
- Dose reduction methods (acquisition/reconstruction)
- Defining several parameters and rating the interaction between them (using a simulator for demonstration)

Prerequisites:

- Basic knowledge of Multislice CT



CPD Points

Dates:

Please see:
healthcare.siemens.at/education/med-imag-therapy

Language:

German

Organizer and location:

Siemens Healthcare
Diagnostics GmbH
Siemensstr. 90
1210 Vienna, Austria

Course size:

Max. 25 participants

Course fee:

3.500 DKK incl. VAT

Registration



> Clinical Specialties

Computed Tomography

- > Cardiovascular Care
- > Interventional Radiology
- > IT Solutions
- > Mammography
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- > Magnetic Resonance Imaging
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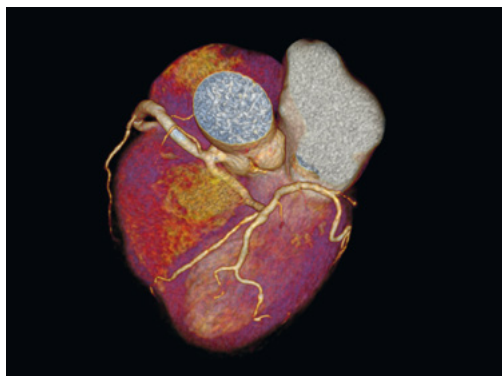
Customer Services

General Information

Computed Tomography

Coronary CTA Interpretation

In-depth skills for radiologists, cardiologists and physicians



Courtesy of Erlangen University Hospital, Erlangen, Germany

This two-day course provides participants with hands-on training in the interpretation of cardiac CTA datasets. Participants have the opportunity to use workstations with syngo.via's latest CT Cardiac Engine and evaluate original images of coronary CTA in compliance with AHA level II certification requirements.

Course content:

Two participants work together at a workstation, with faculty available to provide guidance and support. Invasive coronary angiography data will be available for each CT angiography. Scientific lectures round off the training syllabus.

Prerequisites:

- Experience with Cardiac CT



CME Credits

Dates and language:

Nov 19–20, 2020 English

Organizer and location:

Imaging Science Institute
University Hospital Erlangen
Ulmenweg 18
91054 Erlangen, Germany

Scientific Director and content responsible:

Prof. Stephan Achenbach, MD

Course size:

5–12 participants

Course fee:

14.400 DKK plus VAT

Contact



Website





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Computed Tomography

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- > Interventional Radiology
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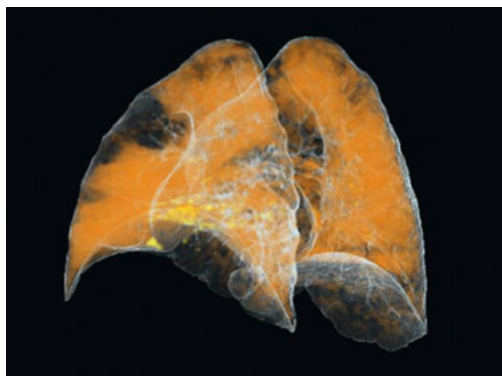
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General Information

Computed Tomography

Dual Energy CT in Daily Practice

In-depth skills for radiologists, physicians and MTs/RTs



Courtesy of University Hospital Frankfurt, Germany

This two-day workshop introduces participants to the physics principles of Dual Energy and provides a supervised hands-on study of clinical data sets using syngo.via workstations, followed by interactive proof-reading and discussions.

Course content:

- Physics principles of Dual Energy
- Interactive evaluation of data sets showing how to optimize data reconstruction and clinical results
- Clinically useful applications (e.g. syngo.CT DE Virtual Unenhanced, syngo.CT DE Brain Hemorrhage or syngo.CT DE Gout) will be demonstrated and discussed
- Clinically proven tips and tricks on patient examination

Prerequisites:

- Basic knowledge

Workshop instructor:

- Prof. Thomas Vogl, MD (Director)
- Moritz Albrecht, MD (Head of CT Research, Chief resident & section leader of cardiovascular radiology)



Dates and language:

Oct 15–16, 2020 English

Organizer:

Siemens Healthineers
Siemensstr. 3
91301 Forchheim, Germany

Location:

hoffmanns höfe
Heinrich-Hoffmann-Str. 3
60528 Frankfurt am Main,
Germany

Course size:

5–12 participants

Course fee:

14.400 DKK plus VAT

Contact:

To register, please contact your local Siemens Healthineers representative or contact us via e-mail.

Contact



Website





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Computed Tomography

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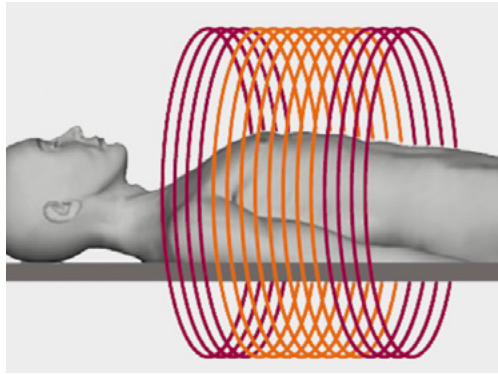
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General Information

Computed Tomography

Workshop for Physicists

Basis skills for physicists



Specialists from our physics department will discuss in depth dose saving possibilities Siemens Healthineers offers with the SOMATOM CT systems. Participants will learn how to perform necessary quality controls and receive valuable tips.

Course content:

- Physics principles of SOMATOM CT systems
- Physics principles of Dual Energy
- Dose management
- State-of-the-art technologies such as CARE kV, CARE Dose4D, Turbo Flash scanning and iterative reconstruction techniques (e. g. SAFIRE, ADMIRE)
- CT-factory and detector center tour
- Detector Technology
- Artificial Intelligence
- Future of CT-Photon Counting



Dates and language:

Sept 22 – 23, 2020 English

Organizer:

Siemens Healthineers
Siemensstr. 3
91301 Forchheim, Germany

Course size:

5 – 12 participants

Course fee:

16.500 DKK plus VAT

Contact:

To register, please contact your local Siemens Healthineers representative or contact us via e-mail.

Contact



Website





> Clinical Specialties

Computed Tomography

- > Cardiovascular Care
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Computed Tomography

CT Colonography with *syngo.via*

Basic skills for MTs/RTs and physicians, radiologists



This two-day workshop includes scientific lectures, colon user interface presentations with main focus on interpretation and reporting of colon cases. Using *syngo.via* client-server based workplaces, participants can expand their knowledge and practice what they have learned in groups of no more than 12 people.

Course content:

- *syngo.via* user interface functionality
- Clinical presentation: polypoid lesions, malignomas, inflammatory bowel diseases, postoperative findings and extra colonic findings
- Presentation of *syngo.via* CT Colon Workflow
- Workflow concepts, evaluation strategies, data analysis, contents of findings, etc.
- Hands-on training

Prerequisites:

- Familiarity with Multislice Spiral CT and previous experience with operating the *syngo.via* user interface



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DFP Credits

Dates:

Please see:
healthcare.siemens.at/education/med-imag-therapy

Language:

German

Organizer and location:

Department of Biomedical Imaging, Image-Guided Therapy and Nuclear Medicine
Währinger Gürtel 18–20
1090 Vienna, Austria

Course size:

5–12 participants

Course fee:

6.200 DKK incl. VAT

Registration



> Clinical Specialties

Computed Tomography

- > Cardiovascular Care
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- > IT Solutions
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General Information

Computed Tomography

MSCT Basic Workshop

Basic skills for MTs/RTs and physicians, radiologists



This two-day workshop refreshes basic MSCT knowledge and includes presentations of the *syngo.via* user interface and hands-on training. The topics are covered by presentations of MSCT technology and dosimetry, patient preparation, examination planning and implementation, as well as evaluation strategies and workflow concepts.

Using state-of-the-art *syngo.via* workplaces, participants can expand their knowledge and practice in groups of no more than 12 people.

Course content:

- Presentation of MSCT technology, dosimetry, scan and recon parameter, usage of contrast media and image post-processing in theory
- Presentation of a CT-scanner examination user interface functionality (simulator)
- Presentation of *syngo.via* image post-processing as part of data analysis and documentation
- Hands-on training with *syngo.via*
- Verification of training skills via practical lectures

Prerequisites:

- Familiarity with Multislice Spiral CT



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DFP Credits

Dates:

Please see:
healthcare.siemens.at/education/med-imag-therapy

Language:

German

Organizer:

Department of Biomedical Imaging, Image-Guided Therapy and Nuclear Medicine
Währinger Gürtel 18–20
1090 Vienna, Austria

Course size:

5–12 participants

Course fee:

6.200 DKK incl. VAT

Registration



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Computed Tomography

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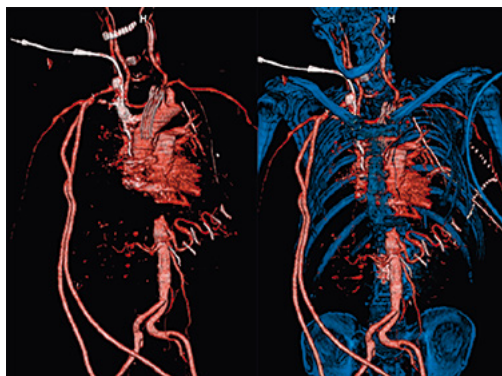
Customer Services

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Computed Tomography

MSCT Angiography with *syngo.via*

Basic and in-depth skills for MTs/RTs and physicians, radiologists



This one-day MSCT angiography workshop covers the topics of patient preparation, examination planning and implementation. Participants are additionally introduced to user interface functionality, evaluation strategies, data analysis, contents of findings, and workflow concepts.

Using state-of-the-art *syngo.via* client-server based workplaces, participants can expand their knowledge and practice what they have learned in groups of no more than 12 people.

Course content:

- Application of contrast media
- Examination strategies
- Data management
- Assessing CPR, MIP, and VRT
- Indication for CTA
- Clinical significance
- "The acute aortic syndrome"
- Hands-on training

Prerequisites:

- Experience with Multislice Spiral CT
- Some experience with operating the *syngo.via* user interface



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DFP Credits

Dates:

Please see:
[healthcare.siemens.at/
education/med-imag-therapy](https://healthcare.siemens.at/education/med-imag-therapy)

Language:

German

Organizer:

Department of Biomedical
Imaging, Image-Guided
Therapy and Nuclear Medicine
Währinger Gürtel 18–20
1090 Vienna, Austria

Course size:

5–12 participants

Course fee:

4.500 DKK incl. VAT

Registration



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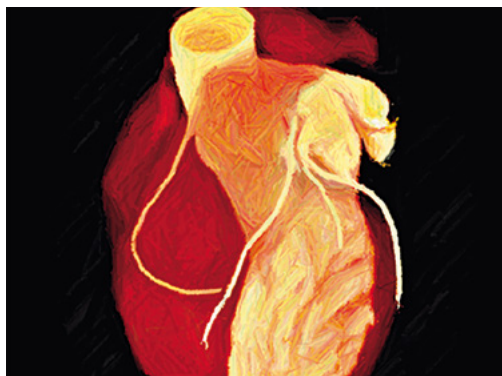
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Computed Tomography

Cardiac CT with *syngo.via*

Basic and in-depth skills for MTs/RTs and physicians, radiologists



This one-day intensive course on cardiac CT and CTA includes scientific lectures, *syngo.via* user interface presentations and hands-on training. Using *syngo.via* client-server based workplaces, participants can expand their knowledge and practice what they have learned in groups of no more than 12 people.

Course content:

- Underlying technology
- Patient preparation
- Examination strategies
- Image post-processing on real case studies
- Anatomical fundamentals
- Step-by-step image analysis
- Calcium Scoring
- Coronary vessels
- Clinical indications
- Heart Perfusion

Prerequisites:

- Experience with Multislice Spiral CT
- Some experience with operating the *syngo.via* user interface



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DFP Credits

Dates:

Please see:
healthcare.siemens.at/education/med-imag-therapy

Language:

German

Organizer:

Department of Biomedical Imaging, Image-Guided Therapy and Nuclear Medicine
Währinger Gürtel 18–20
1090 Vienna, Austria

Course size:

5 – 12 participants

Course fee:

4.500 DKK incl. VAT

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Computed Tomography

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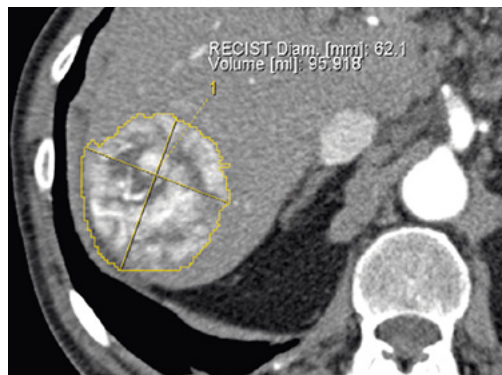
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General Information

Computed Tomography

CT Oncology with *syngo.via*

In-depth skills for MTs/RTs and physicians, radiologists, internists, surgeons



This two-day clinical user training course introduces participants in working with the *syngo.via* CT-Oncology interface for objective tumor measurement in oncology staging and follow-up. After a general introduction on what is required of radiology in daily oncological routine, special emphasis will be placed on RECIST and volumetric analysis and the clinical background of quantitative abdominal and pulmonary imaging in oncology.

Using *syngo.via* client-server based workplaces, participants can expand their knowledge and practice what they have learned in groups of no more than 12 people.

Course content:

- *syngo.via* user interface functionality
- Patient preparation, examination planning and implementation
- Clinical presentations of tumor biology of metastasis, TU-staging, RECIST criteria, metastasis
- Presentation of *syngo.via* workflows: workflow concepts, evaluation strategies, data analysis, contents of findings, etc.
- Hands-on training

Prerequisites:

- Experience with Multislice Spiral CT and some experience with operating the *syngo.via* user interface
- Advanced knowledge of CT Oncology



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DFP Credits

Dates:

Please see:
healthcare.siemens.at/education/med-imag-therapy

Language:

German

Organizer:

Department of Biomedical Imaging, Image-Guided Therapy and Nuclear Medicine
Währinger Gürtel 18–20
1090 Vienna, Austria

Course size:

5–12 participants

Course fee:

6.200 DKK incl. VAT

Registration



> Clinical Specialties

Computed Tomography

- > Cardiovascular Care
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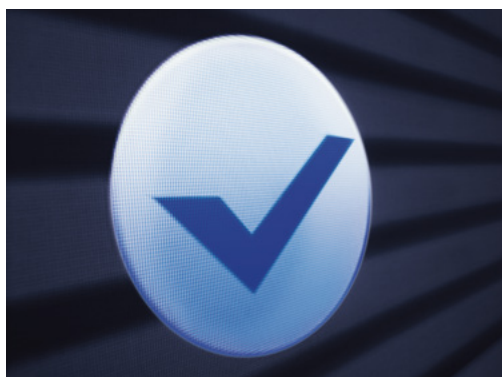
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General Information

Computed Tomography

CT syngo.via Imaging Advanced

In-depth skills for syngo.via user – MTs/RTs and physicians, radiologists



This one-day syngo.via Imaging Workshop in Computed Tomography will provide syngo.via users with advanced CT workflow knowledge, evaluation and documentation principles in theoretical and practical training sessions on client-server based demo consoles. Additionally, there will be an update to recent software version changes to get acquainted with news on basic configuration options, different roles and the user interface.

The main topic of the course is to assure knowledge of advanced visualization in CT Imaging throughout all CT Engines.

Course content:

- Update software “state-of-the-art”
- CT Vascular
- CT Cardiac
- MM Oncology
- CT Bone reading
- CT Colon
- CT Pulmo 3D
- CT Neuroperfusion
- CT Neuro DSA
- CT Dual Energy
- CT Body Perfusion
- CT Liver Analysis
- CT Lung CAD

Prerequisites:

- Basic IT and DICOM skills, clinical workflow and basic 2D/3D imaging skills



Dates:

Please see:
healthcare.siemens.at/education/med-imag-therapy

Language:

German

Organizer:

Department of Biomedical Imaging, Image-Guided Therapy and Nuclear Medicine
Währinger Gürtel 18–20
1090 Vienna, Austria

Course size:

5–12 participants

Course fee:

4.500 DKK incl. VAT

Registration



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Computed Tomography

Fellowship

Basic and in-depth skills for radiologists, MTs/RTs and physicians



Participants will have the opportunity to optimize their clinical skills with a clinical fellowship (observership) program. Following the pace of daily life at the selected site, the program draws on real experience. The clinical specialists demonstrate proven clinical workflows, examination procedures, and reporting including software applications, scanner protocols, and contrast agent injection.

Fellowship content:

General CT, Cardiology, Dual Energy, Neurology, Oncology, Virtual Colonoscopy, Intervention and Virtual Autopsy/Forensics

Prerequisites:

- Basic knowledge



Dates and language:

On request, English

Organizer:

Siemens Healthineers
Siemensstr. 3
91301 Forchheim, Germany

Fellowship instructor:

Multinational Fellowship Sites

Course size:

1–2 participants

Course length:

2–5 days

Course fee:

On request

Registration:

To register, please contact your local Siemens Healthineers representative.

Website



> Clinical Specialties

Computed Tomography

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Cardiovascular Care

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> Interventional Cardiology	•	•				•		22
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Cardiovascular Care

Artis Basic Course

Basic skills for MTs/RTs



Continual technical developments and the need to reduce radiation doses mean that it is necessary to have a thorough grounding in basic physical and other user-specific principles. This two-day course for physicians and medical assistants provides basic training in how to use an Artis angiography system.

The course is taught on an Artis system in small groups, with a maximum of 10 participants. The content of the training is applied directly by using the system.

Course content:

- syngo user interface
- Image capturing techniques
- Organ programs
- Data transfer
- Image processing
- Dose-saving operation (CARE)

Prerequisites:

- Some experience of operating syngo systems in interventional angiography



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Credit Points

Dates and language:

Apr 27–28, 2020 German
Sep 10–11, 2020 German

Organizer:

Siemens Healthcare GmbH

Location:

Siemens Healthineers
Global Training Center
Allee am Röthelheimpark 3
91052 Erlangen, Germany

Course size:

4–10 participants

Course fee:

6.600 DKK
This course is tax-exempt in
accordance with § 4 No.21 UStG
(German VAT law)

Course ID:

AX8SYNBAS

Registration





> Clinical Specialties

> Computed Tomography

Cardiovascular Care

> Interventional Radiology

> IT Solutions

> Mammography

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Cardiovascular Care

Artis Workshop for Physicists

In-depth skills in image quality and dose savings



Image Quality specialists will discuss in depth the influence to image quality and radiation dose by components and settings in Artis angiography systems.

Course content:

- System components and system handling
- Fluoro and acquisition protocols
- Image quality essentials
- Detectors and X-ray tubes
- Image signal processing
- Dose and dose saving



Dates:

Jan 30–31, 2020 English

Organizer and location:

Siemens Healthineers
Global Training Center
Allee am Röthelheimpark 3
91052 Erlangen, Germany

Course size:

6–10 participants

Course fee:

15.200 DKK

This course is tax-exempt in accordance with § 4 No. 21 UStG (German VAT law)

Course ID:

AX8ARTPHYS

Registration





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Cardiovascular Care

Interventional Cardiology

In-depth skills for cardiologists, physicians and MTs/RTs

During the interactive course, you will learn about coronary angioplasty, the angiographic projections of the stenosis, the right selection of catheters, even tips and tricks of wire techniques and catheter intervention. Exercises are conducted using a CATHI computer-based simulation system and the newly developed pulsatile coronary model, CoroSim, in conjunction with a fully functional Siemens biplane flat detector angiography system.

A newly upgraded scenario based virtual simulation system developed by Terumo enables participants to refresh and experience situational procedural sequences. A silicon vessel model using real interventional devices will enhance reflection of knowledge transforming into acquired skills. In addition to the hands-on experiences, lectures are presented on topics such as radiation protection, complications and quality management.

Seminar:

- Optimized angiographic settings at intracardiac catheter examination and intervention
- Basic Principles of radiation dose reduction
- Quality management in the cath lab
- Case studies: Complication management in the cath lab

Hands-on Training:

- Coronary intervention exercises using CATHI computer-based simulation system
- Coronary intervention training using a pulsatile heart simulator with a Siemens Healthineers angiocardiology system
- Training with 3-dimensional coronary quantification tool
- Trans-radial access

Prerequisites:

- Little or no experience in interventional cardiology



Dates and language:

On request, English

Organizer:

Cardiac Department
National University Heart
Centre, Singapore
1E Kent Ridge Road
NUHS Tower Block, Level 9
Singapore 119228

Course size:

Small group size to enhance learning success

Course fee:

14.500 DKK plus GST

Contact:

Mrs. Christina Ng

Contact





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Cardiovascular Care

Fellowship

Basic and in-depth skills for cardiologists, physicians and MTs/RTs



Learn more from our medical experts directly in a physician's cardiovascular environment. Fellows will gain real-life experience by shadowing a hospital's clinical employee through their daily workflow and learning how examinations are performed on site with Siemens Healthineers systems (observership). Choose a local partner center in Germany, Taiwan or Monaco.

Fellowship content:

Cardiovascular solutions in coronary artery diseases, congenital heart diseases, structural heart diseases, arrhythmias or heart failure (Artis zee, Artis one, Artis Q.zen, ARTIS pheno, Sensis Vibe).

Prerequisites:

- Basic knowledge in cardiovascular care



Dates and language:

On request, English or German

Organizer:

Siemens Healthineers
Siemensstr. 3
91301 Forchheim, Germany

Fellowship instructor:

Multinational Fellowship sites

Fellowship size:

1 – 3 participants

Fellowship duration:

2 – 5 days

Fellowship fee:

On request

Registration:

Please contact your local sales representative

Website





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> Radiology and Interventional Therapy – Artis zee ceiling	•	•				•		32
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Interventional Radiology

Artis Basic Course

Basic skills for MTs/RTs



Continual technical developments and the need to reduce radiation doses mean that it is necessary to have a thorough grounding in basic physical and other user-specific principles. This two-day course for physicians and medical assistants provides basic training in how to use an Artis angiography system.

The course is taught on an Artis system in small groups, with a maximum of 10 participants. The content of the training is applied directly by using the system.

Course content:

- syngo user interface
- Image capturing techniques
- Organ programs
- Data transfer
- Image processing
- Dose-saving operation (CARE)

Prerequisites:

- Some experience of operating syngo systems in interventional angiography



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Credit Points

Dates and language:

Apr 27–28, 2020 German
Sep 10–11, 2020 German

Organizer:

Siemens Healthcare GmbH

Location:

Siemens Healthineers
Global Training Center
Allee am Röthelheimpark 3
91052 Erlangen, Germany

Course size:

4–10 participants

Course fee:

6.600 DKK
This course is tax-exempt in
accordance with § 4 No.21 UStG
(German VAT law)

Course ID:

AX8SYNBAS

Registration





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Artis Workshop for Physicists

In-depth skills in image quality and dose savings



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Course content:

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- Fluoro and acquisition protocols
- Image quality essentials
- Detectors and X-ray tubes
- Image signal processing
- Dose and dose saving



Dates and language:

Jan 30–31, 2020 English

Organizer and location:

Siemens Healthineers
Global Training Center
Allee am Röthelheimpark 3
91052 Erlangen, Germany

Course size:

6–10 participants

Course fee:

15.200 DKK

This course is tax-exempt in accordance with § 4 No. 21 UStG (German VAT law)

Course ID:

AX8ARTPHYS

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New

Optimize Dose in Angiography

Basic skills for clinical staff who are exposed to radiation



Holistic approach designed to help increase personal dose awareness and develop competence in reducing staff and patient radiation exposure during interventional procedures.

Course content:

- In-depth analysis, definition, and advice on dose performance measures
- Customized roadmap for education and measures to be implemented
- Implementation of individual measures such as optimized workflows and dose education
- Monitoring for a set time period
- Evaluation of results and recommendations for long-term goals



Dates and language:

On request

Organizer:

Country organization /
HQ Apps team

Location:

At the customer's premises

Course fee:

On request

Registration:

Please contact your local
Siemens Healthineers
representative



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Interventional Radiology

In-depth skills for MTs/RTs and physicians



In addition to intensive small-group training on the treatment of stenosis in renal arteries, pelvic arteries and/or femoral arteries, this two-day workshop also focuses on the fundamentals of modern radiology. Under the guidance of experienced interventional radiologists and through the use of practical case studies, participants are trained how to safely handle interventions at varying levels of difficulty on modern, realistic simulators.

Course content:

- Endovascular therapy of renal artery stenosis
- Treatment of stenosis and occlusions in pelvis and a. femoris superficialis (AFS)
- Simulator training
- Case discussions



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CME Credits

Dates:

On request or please see:
[siemens.com/healthcare-training-center](https://www.siemens.com/healthcare-training-center)

Language:

German

Organizer:

Imaging Science Institute
University Hospital Erlangen
Ulmenweg 18
91054 Erlangen, Germany

Course size:

6 – 12 participants

Course fee:

9.200 DKK
This course is tax-exempt in
accordance with § 4 No. 21 UStG
(German VAT law)

Course ID:

AX8ANGKAT

Registration





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Advanced Image Guidance

In-depth skills for interventional radiologists



This one- and a half-day clinical workshop is a comprehensive program for physicians, addressing advanced imaging and guidance techniques in Interventional Radiology (IR) in order to substantially improve practical skills in this field.

The workshop focuses on clinical topics and involves various training methods, including lectures and practicing with phantoms directly on the system.

New

Course content:

- 2D guidance functions
- 3D acquisition and processing
- 3D guidance tools
- syngo embolization guidance
- syngo fusion package
- syngo needle guidance

Prerequisites:

- Basic experience in Interventional Radiology



Dates and language:

On request,
English

Organizer:

Siemens Healthineers
Siemensstr. 3
91301 Forchheim, Germany

Location:

Medizinische Hochschule
Hannover (MHH)
Carl-Neuberg-Str. 1
30625 Hannover

Course size:

5–8 participants

Course fee:

On request

Registration





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Interventional Radiology

Neuroradiology – Artis zee biplane

In-depth skills for MTs/RTs and physicians



Comprising 11 departments, 6 institutes, 1,400 beds and 6,000 staff members, the University Hospital Erlangen is driving advancement in several modern medical fields. The Department of Neuroradiology specializes in diagnostic examinations and minimally invasive therapies. Participants are introduced to Neuro interventions using an Artis zee biplane or Artis zeego system with syngo DynaCT. The course also covers various therapeutic neuroradiological procedures.

Typical examinations:

- Diagnostic angiography, including temporal bone imaging (e. g. cochlear implants)
- Treatment of stroke, aneurysms, AVM/AVF, spine, hemorrhages, etc. with latest technology and devices
- Follow-up angiography with intra-venous DynaCT
- Carotid artery stenting (rotational angiography and DynaCT)
- Usage of DynaPBV Neuro

Prerequisites:

- Advanced skills in angiography



Dates and language:

On request,
German or English

Organizer and location:

University Hospital Erlangen
Department of
Neuroradiology
Schwabachanlage 6
91054 Erlangen, Germany

Course size:

1–3 participants

Course fee:

On request

Registration:

Please contact your local
Siemens Healthineers
representative



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Interventional Oncology – Artis zeego

In-depth skills for MTs/RTs and physicians



The University Hospital Munich is one of Europe's largest and most progressive public healthcare facilities with over 2,300 beds and numerous specialty institutes and departments. Dilatation and stenting procedures using catheter balloons and stents as well as the treatment of liver and lung tumors form the primary focus of its Institute for clinical radiology in the area of interventional radiology. Participants are exposed to various interventional radiology techniques using an Artis zeego system with syngo DynaCT.

Typical examinations:

- Port implantation and explantation
- Chemoembolizations
- Peripheral angiography
- Selective Internal Radiation Therapy (SIRT)
- Transjugular Intrahepatic Portosystemic Shunt (TIPSS)

Prerequisites:

- Basic knowledge of angiography



Dates and language:

On request,
German or English

Organizer:

University Hospital Munich
Klinikum Großhadern
Department of Angiography
and Interventional Radiology
Marchioninstr. 15
81377 Munich, Germany

Course size:

1–3 participants

Course fee:

On request

Registration:

Please contact your local
Siemens Healthineers
representative



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Radiology and Interventional Therapy – Artis zee ceiling

In-depth skills for MTs/RTs and physicians



The Vivantes Hospital in Berlin Neukölln is a very modern facility with more than 1,200 beds, 20 medical specialty departments, 398 doctors and 875 nurses. The institution is equipped with an Artis zee ceiling-mounted system.

Participants learn how the system can be used to perform interventional radiology covering abdominal and peripheral interventions, chemoembolizations and certain hybrid procedures.

Course content:

- Interventional radiology, abdominal & peripheral procedures
- Mechanical vascular recanalization intra-arterial lysis therapy
- Aspirational thrombectomy
- Interventional therapy for abdominal aortic aneurysms
- Radiofrequency ablation for liver and kidney tumors
- Transjugular Intrahepatic Portosystemic Shunt (TIPSS)
- Chemoembolization of liver tumors
- Embolizations of hemorrhages and tumors



Dates and language:

On request,
German or English

Organizer:

Vivantes Klinikum
Berlin-Neukölln
Institute of Radiology and
Interventional Therapy
Rudower Str. 48
12351 Berlin, Germany

Course size:

1–3 participants

Course fee:

On request

Registration:

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Siemens Healthineers
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Interventional Neuroradiology – Artis zee biplane

In-depth skills for MTs/RTs and physicians



The Vivantes Hospital in Berlin Neukölln is a modern, more than 1,200-bed institution with 20 speciality departments, 398 doctors and 875 nurses.

The Institute for Clinical and Interventional Neuroradiology covers the complete spectrum of diagnostic and interventional procedures. It also offers its services via a teleneuro-radiology network. The participants are familiarized with various neuroradiological techniques and procedures using the facility's Artis zee biplane system.

Typical examinations:

- Interventional neuroradiology procedures
- Embolizations with different materials to treat cerebral aneurysms, cerebro-spinal vascular malformations and arteriovenous tumors of the CNS, spine and head/neck regions
- Revascularization in acute stroke therapy
- Stenting of carotid and intracranial stenosis



Dates and language:

On request,
German or English

Organizer:

Vivantes Klinikum
Berlin-Neukölln
Institute of Radiology and
Interventional Therapy
Rudower Str. 48
12351 Berlin, Germany

Course size:

1–3 participants

Course fee:

On request

Registration:

Please contact your local
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Interventional Radiology – Artis zee biplane

In-depth skills for MTs/RTs and physicians



The Central Institute for Imaging Diagnostics at the City Hospital of Karlsruhe covers the complete radiological spectrum from diagnostics to interventional radiology, including pediatrics and neuroradiology.

In the area of interventional radiology, the institution specializes in vessel dilatation and interventional techniques using balloon catheters and stents as well as the treatment of liver and lung tumors. Participants are provided with key insights in the use of the Artis zee biplane system to support interventional radiology procedures.

Course content:

- Peripheral angiography
- Carotid artery stenting
- Port implantation and explantation
- Chemoembolization
- Selective Internal Radiation Therapy (SIRT)
- Transjugular Intrahepatic Portosystemic Shunt (TIPSS)



Dates and language:

On request,
German or English

Organizer:

Städtisches Klinikum
Karlsruhe GmbH
Zentralinstitut für
Bildgebende Diagnostik
Moltkestr. 90
76133 Karlsruhe, Germany

Course size:

1–3 participants

Course fee:

On request

Registration:

Please contact your local
Siemens Healthineers
representative



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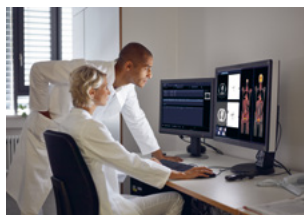
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> syngo.via – Imaging Basic	•	•		•	•			40
> syngo.plaza – Application Training	•	•			•	•		41
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IT Solutions

syngo.via – Intensive

Basic skills for clinical users of syngo.via – MTs/RTs and physicians



On this two-day intensive training course for clinical and future users, participants will be taught the basic theory and practical applications required for the routine clinical application of syngo.via (from version VB30). This course supports the effective use of syngo.via, and the radiology workflow for imaging complex patient image data can be optimized in this way.

Participants will be taught the comprehensive basic use of syngo.via and general functioning of syngo.via. On this practical course participants will train about 50 percent of the time on servers and will consolidate their knowledge with practice exercises.

Course content:

- Basic principles of the patient list and its functions, e.g. work lists
- Workflows and how to handle them
- Routine work using the multi-modality application MM reporting
- Creating image findings
- Simple adaptation of report templates
- Explanation of help options

Prerequisites:

- Good knowledge of the clinical application of imaging systems, e.g. CT, MI, MR
- Familiarity with radiology workflows



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Credit Points

Dates and language:

Jun 15–16, 2020 German

Organizer and location:

Siemens Healthineers
Global Training Center
Allee am Röthelheimpark 3
91052 Erlangen, Germany

Course size:

4–12 participants

Course fee:

6.400 DKK

This course is tax-exempt in accordance with § 4 No.21 UStG (German VAT law)

Course ID:

SY8VIABAS

Registration





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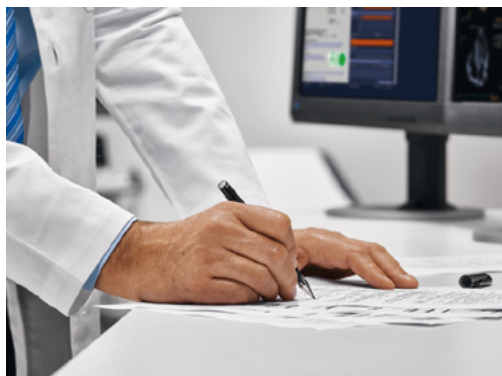
Customer Services

General Information

IT Solutions

syngo.via – Clinical Administration Training

In-depth skills for experienced users of syngo.via with administrators function



This course will teach and further theoretical knowledge of the routine clinical application of syngo.via (from Version VB30) in connection with IT systems such as RIS/PACS and IT-admin-portal. System settings for the transfer of image data from the imaging modalities will also be discussed. On this practice-oriented course participants will spend about 40 percent of the available time training on servers and will consolidate their knowledge with exercises.

This two-day application training course is a continuation of the course syngo.via – Intensive, but can also be attended separately.

Overview and clinical basic application:

- Deeper understanding of the patient list and special functions, e.g. how to correct demonyms and data
- Reporting findings in syngo.via with different tools
- Configuration, e.g. client settings, presentation and behavior, exporting the report templates

IT configurations:

- Data and user management
- System configurations

Prerequisites:

- Experience with clinical use of imaging systems, e.g. CT, MI, MR and clinical radiology workflows, basic knowledge of IT and DICOM data



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Credit Points

Dates and language:

Jun 17–18, 2020 German

Organizer and location:

Siemens Healthineers
Global Training Center
Allee am Röthelheimpark 3
91052 Erlangen, Germany

Course size:

4–12 participants

Course fee:

9.200 DKK

This course is tax-exempt in accordance with § 4 No. 21 UStG (German VAT law)

Course ID:

SY8VIAAPL2

Registration





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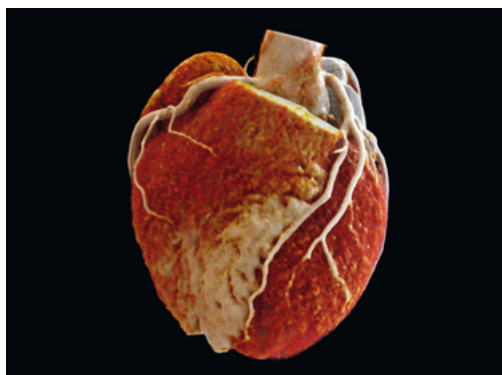
Customer Services

General Information

IT Solutions

syngo.via – Cardiovascular Workflows CT and MR

In-depth skills for clinical users of *syngo.via* – MTs/RTs and physicians



This three-day course teaches foundation level theory and practical applications for the routine clinical analysis of cardiovascular CT and MR examinations using *syngo.via* (from Version VB30) and covers training on the required system settings. The course supports the effective application of *syngo.via*.

In this way radiology workflows for imaging complex cardiovascular CT and MR examinations can be optimized. On this practice-oriented course participants will spend about 40 percent of the available time on allocated servers.

Demonstration and practical applications:

- Analysis of cardiology CT data
- Analysis of vascular CT data
- Analysis of cardiology MR data
- Analysis of vascular MR data

Prerequisites:

- Basic knowledge of *syngo.via*
- Experience with the clinical application of imaging systems, e.g. CT, MR and clinical radiology workflows



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Credit Points

Dates and language:

Oct 05–07, 2020 German

Organizer and location:

Siemens Healthineers
Global Training Center
Allee am Röthelheimpark 3
91052 Erlangen, Germany

Course size:

4–12 participants

Course fee:

13.800 DKK

This course is tax-exempt in accordance with § 4 No.21 UStG (German VAT law)

Course ID:

SY8VIAAUS

Registration





> Clinical Specialties

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IT Solutions

syngo.via – IT Administrator Training

In-depth skills for IT administrators and employees



syngo.via is a software product for high-quality visualization of 2D/3D/4D datasets which have been acquired using various modalities. The close integration between *syngo.via* and the imaging modalities makes the review of datasets a part of your clinical routine. The server/client-based product allows datasets to be accessed for various modalities and provides users with modality- and disease-related viewing workflows.

After attending this two-day course, participants will be familiar with the workflow and implementation concept of *syngo.via*. Practical exercises such as the use of the Service User Interface and completing administrative tasks round off the course syllabus.

Preparation:

For preparation, the e-Learning course “*syngo.via* – IT Administrator Training” which is included in the course price is recommended. This course covers IT basics and gives learners a general introduction to clinical workflows.

Course content:

- System overview and software topology
- IHE, infrastructure and function view
- Installing the client software
- System and workflow configuration
- Introduction of the Service User Interface
- Introduction of troubleshooting tools



Dates and language:

Please see:
[siemens.com/healthcare-training-center](https://www.siemens.com/healthcare-training-center)

Organizer and location:

Siemens Healthineers
Global Training Center
Allee am Röthelheimpark 3
91052 Erlangen, Germany

Course size:

4–12 participants

Course fee:

11.200 DKK
This course is tax-exempt in
accordance with § 4 No. 21 UStG
(German VAT law)

Course ID:

SY8VIAITAD

Registration





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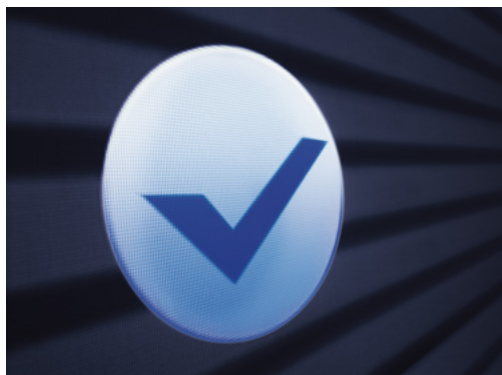
Customer Services

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IT Solutions

syngo.via – Imaging Basic

Basic skills for MTs/RTs, physicians and clinical administrators



This one-day *syngo.via* Imaging Basic workshop will provide basic client-server knowledge with the objective to train you as a clinical administrator or key user who intends to provide theoretical and practical training to other colleagues across all modalities. There will be several client-server based demo consoles to get acquainted with basic configuration options, different roles and the new user interface.

Workflow assignment and the basic workflow with its new application in 2D/3D imaging will also be covered. As a key user or clinical administrator, you will be able to create your own dedicated workflow and gain a cross modality overview of *syngo.via*.

Course content:

- *syngo.via* concept – implementation and workflow management
- RIS-PACS integration models
- Hardware
- Image call up, advanced search, roles
- Basic workflow and workflow assignment
- UI and basic 2D/3D imaging on basic workflows

Prerequisites:

- Basic IT and DICOM skills, clinical workflow and basic 2D/3D imaging skills



8

DFP Credits

Dates:

Please see:
[healthcare.siemens.at/
education/med-imag-therapy](https://healthcare.siemens.at/education/med-imag-therapy)

Language:

German

Organizer and location:

Department of Biomedical
Imaging,
Image-Guided Therapy and
Nuclear Medicine
Währinger Gürtel 18–20
1090 Vienna, Austria

Course size:

5–12 participants

Course fee:

4.500 DKK incl. VAT

Registration



> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

IT Solutions

> Mammography

> Molecular Imaging

> Magnetic Resonance Imaging

> Ultrasound

> Cardiology

> Fellowship Program

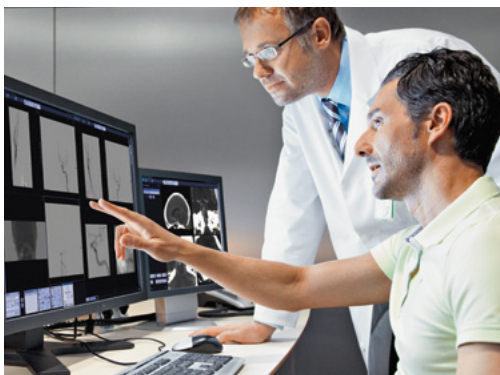
Customer Services

General Information

IT Solutions

syngo.plaza – Application Training

Basic and in-depth skills for MTs/RTs, physicians, radiologists, clinical administrators



The objective of this three-day course is to give the participants the necessary theoretical knowledge and practical skills to routinely work with syngo.plaza. In addition the participant will get familiarized with the syngo.plaza settings and configurations for application.

Demonstration and exercises on:

- Patient Browser
- Viewer
- Filming
- Modality Worklist Scheduler

Prerequisites:

- Good basic knowledge in anatomy, cross sectional imaging and DICOM
- Basic understanding of clinical workflows and basic IT



Dates and language:

Mar 23 – 25, 2020 English
Jun 22 – 24, 2020 English
Further dates, please see:
[siemens.com/healthcare-training-center](https://www.siemens.com/healthcare-training-center)

Organizer and location:

Siemens Healthineers
Global Training Center
Allee am Röthelheimpark 3
91052 Erlangen, Germany

Course size:

Max. 8 participants

Course fee:

22.500 DKK
This course is tax-exempt in accordance with § 4 No. 21 UStG (German VAT law)

Course ID:

SY8PLAZAPP

Registration





> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

IT Solutions

> Mammography

> Molecular Imaging

> Magnetic Resonance Imaging

> Ultrasound

> Cardiology

> Fellowship Program

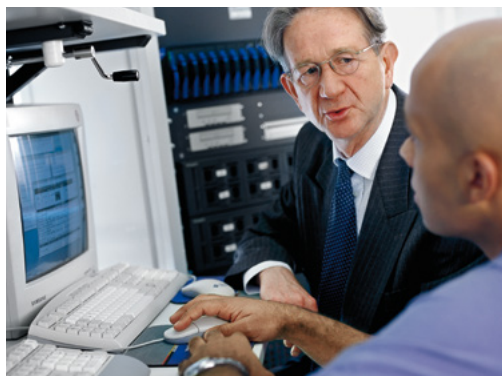
Customer Services

General Information

IT Solutions

syngo.plaza – IT Administrator Training

In-depth skills for system administrators



During this four-day course the participant will get a comprehensive overview of IT administration required to fully utilize, administrate and maintain a syngo.plaza system. In addition, the participant will have a solid understanding on how to provide users with first-level support.

Administration and first-level support:

- Backup and user management
- Audit management
- Central system configuration (DICOM nodes)
- Configuration tool (e.g. license handling)
- Message handling and first-level troubleshooting
- Configuration and handling of options like Mobile+, 3D+, and VNA+

Prerequisites:

- Understanding of clinical workflows and basic IT
- Knowledge about Microsoft Windows administration functions



Dates and language:

Please see:
[siemens.com/healthcare-training-center](https://www.siemens.com/healthcare-training-center)

Organizer and location:

Siemens Healthineers
Global Training Center
Allee am Röthelheimpark 3
91052 Erlangen, Germany

Course size:

Max. 8 participants

Course fee:

30.400 DKK
This course is tax-exempt in accordance with § 4 No. 21 UStG (German VAT law)

Course ID:

SY8PLAZAIT

Registration





> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

IT Solutions

> Mammography

> Molecular Imaging

> Magnetic Resonance Imaging

> Ultrasound

> Cardiology

> Fellowship Program

Customer Services

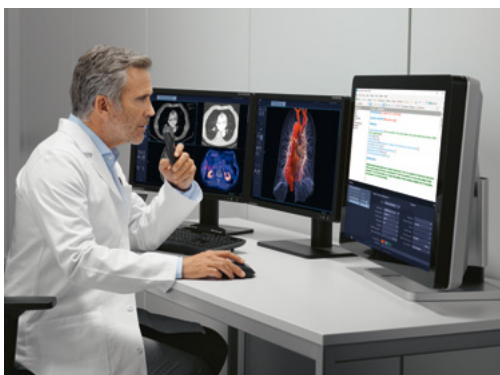
General Information

IT Solutions

New

syngo.via & syngo.plaza – Combined IT Administration Training

In-depth skills for IT administrators working with *syngo.via* and *syngo.plaza*



During this course the participant will gain a comprehensive overview of the IT administrative skills required to fully utilize, operate and maintain a *syngo.plaza* system. They will also understand the workflow and implementation concept of *syngo.via*. In practical exercises the participant will learn to use the Service UI, while basic first-level support questions are also covered.

This course is suitable for IT administrators working with *syngo.via* and *syngo.plaza*, responsible for local user management, regular maintenance tasks and first-level service support.

Course content *syngo.plaza*:

- Backup management and user management
- Audit management
- Configuration tool
- Message handling and first-level troubleshooting

Course content *syngo.via*:

- Overview
- Client installation
- Workflow configuration
- Service UI
- Troubleshooting tools

Prerequisites:

- Understanding of clinical workflow and basic IT knowledge, including Windows administration



Dates and language:

Please see:
[siemens.com/healthcare-training-center](https://www.siemens.com/healthcare-training-center)

Organizer and location:

Siemens Healthineers
Global Training Center
Allee am Röthelheimpark 3
91052 Erlangen, Germany

Course size:

Max. 8 participants

Course fee:

16.500 DKK
This course is tax-exempt in accordance with § 4 No. 21 UStG (German VAT law)

Course ID:

SY8VIAPLAZ

Registration





> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

> IT Solutions

Mammography

> Molecular Imaging

> Magnetic Resonance Imaging

> Ultrasound

> Cardiology

> Fellowship Program

Customer Services

General Information

Mammography

Tomosynthesis and Contrast Enhanced Mammography

In-depth skills for breast radiologists



Learn from some of our most experienced clinical experts who will demonstrate how to use Digital Breast Tomosynthesis (DBT) and Contrast Enhanced Mammography (CEM) in their daily routine. With a combination of in-depth presentations and comprehensive reading sessions you will learn how to evaluate 2D mammography and 3D tomosynthesis in case-based demonstrations.

In addition, you will discuss the different uses of morphological (DBT) vs. functional (CEM) breast imaging methods. This includes building a familiarity with *syngo.Breast Care* application and its tomosynthesis reading tools.

Typical examinations:

- Technical background and image quality
- Clinical indications
- Morphology of lesions in 2D and 3D
- CEM – a functional imaging method
- Reading and interpreting scans
- How to implement DBT and CEM in the clinical routine
- Reading sessions with approx. 100 cases

Speakers and hands-on tutors:

- Dr. Maria Bernathova, Vienna
- Prof. Dr. Chantal Van Ongeval, Leuven
- Prof. Dr. Luis Pina, Pamplona



14

CME Credits
pending

Dates and language:

Please see:
[siemens.com/
healthcare-training-center](https://www.siemens.com/healthcare-training-center)

Organizer and location:

Siemens Healthineers
Siemensstr. 3
91301 Forchheim
Germany

Course size:

20 participants

Course fee:

7.800 DKK
This course is tax-exempt in
accordance with § 4 No. 21 UStG
(German VAT law)

Course ID:

XP8MAMMO

Registration





> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

> IT Solutions

> Mammography

Molecular Imaging

> Magnetic Resonance Imaging

> Ultrasound

> Cardiology

> Fellowship Program

Customer Services

General Information



Molecular Imaging

	MTs/RTs	Physicians	Physicists	IT	Basic skills	In-depth skills	Course type	Page
Molecular Imaging								
> SPECT Imaging Basics	•	•	•		•			46
> SPECT Processing	•	•			•			47
> SPECT/CT Imaging	•	•				•		48
> Myocardial Perfusion SPECT: Corridor4DM	•	•				•		49
> PET Imaging Basics	•	•	•		•			50
> Biograph PET/CT Systems	•	•	•		•			51
> Advanced PET/CT Imaging	•	•	•			•		52
> Operating the Radioisotope Delivery System Eclipse	•	•				•		53



> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

> IT Solutions

> Mammography

Molecular Imaging

> Magnetic Resonance Imaging

> Ultrasound

> Cardiology

> Fellowship Program

Customer Services

General Information

Molecular Imaging

SPECT Imaging Basics

Basic skills for MTs/RTs, physicians and physicists



Participants in this five-day course will learn how to operate a Symbia SPECT system, as well as the physics and technology behind the system and solid operational knowledge of MI applications. This includes an introduction to acquiring, processing and displaying patient data, as well as quality control. Practical implementation and a deeper operational knowledge are reinforced by hands-on exercises.

Course content:

- SPECT physics and technology
- System hardware controls
- MI applications user interface
- Basic principles of workflow structure
- How to acquire, process and display patient data
- Quality control procedures

Prerequisites:

- Basic PC knowledge



Dates and language:

Jan 13–17, 2020 English
Further dates: [siemens.com/healthcare-training-center](https://www.siemens.com/healthcare-training-center)

Organizer:

Imaging Science Institute
University Hospital Erlangen
Ulmenweg 18
91054 Erlangen, Germany

Location:

Siemens Healthineers
Global Training Center
Allee am Röthelheimpark 3
91052 Erlangen, Germany

Course size:

4–6 participants

Course fee:

19,000 DKK
This course is tax-exempt in accordance with § 4 No. 21 UStG (German VAT law)

Course ID:

MI2SPECBAS

Registration





> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

> IT Solutions

> Mammography

Molecular Imaging

> Magnetic Resonance Imaging

> Ultrasound

> Cardiology

> Fellowship Program

Customer Services

General Information

Molecular Imaging

SPECT Processing

Basic skills for MTs/RTs and physicians



This five-day course provides participants with advice and hints for customizing SPECT system workflows to meet customer requirements. Participants gain extensive knowledge about creating and fine-tuning workflows and flexible displays. Many hands-on exercises give learners the opportunity to design, process and save various types of workflows. Basic image fusion exercises round off the topics covered in the course.

Course content:

- Modifying the MI Application user interface
- Designing workflows
- Creating Flexible Displays
- Troubleshooting MI Application workflows
- Configuring Data Selector
- Using Organ Processing
- Using Series Arithmetic
- Using Image Fusion

Prerequisites:

- At least three months working experience with MI APPS user interface or SPECT Imaging Basics class



Dates and language:

Jan 20–24, 2020 English
Further dates: [siemens.com/healthcare-training-center](https://www.siemens.com/healthcare-training-center)

Organizer:

Imaging Science Institute
University Hospital Erlangen
Ulmenweg 18
91054 Erlangen, Germany

Location:

Siemens Healthineers
Global Training Center
Allee am Röthelheimpark 3
91052 Erlangen, Germany

Course size:

4–6 participants

Course fee:

19,000 DKK
This course is tax-exempt in accordance with § 4 No. 21 UStG (German VAT law)

Course ID:

MI2SPECRO

Registration





> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

> IT Solutions

> Mammography

Molecular Imaging

> Magnetic Resonance Imaging

> Ultrasound

> Cardiology

> Fellowship Program

Customer Services

General Information

Molecular Imaging

SPECT/CT Imaging

In-depth skills for MTs/RTs and physicians



This four-day training course introduces learners to SPECT/CT using a Symbia system. Participants perform various SPECT/CT examinations using different energy windows. In addition, course work includes practical exercises on generating and modifying SPECT/CT acquisition and processing workflows.

Course content:

- Operating a SPECT/CT system
- SPECT/CT safety considerations demonstrated on a Symbia Intevo system
- SPECT/CT acquisition, evaluation and display
- Modifying SPECT/CT acquisition and evaluation workflows
- Using Image Fusion
- Performing CT quality assurance
- Performing Sensitivity Calibration
- Performing xSPECT acquisition and processing

Prerequisites:

- At least three months working experience with MI APPS user interface or SPECT Imaging Basics class



Dates and language:

Mar 03–06, 2020 English
Further dates: [siemens.com/healthcare-training-center](https://www.siemens.com/healthcare-training-center)

Organizer:

Imaging Science Institute
University Hospital Erlangen
Ulmenweg 18
91054 Erlangen, Germany

Location:

Siemens Healthineers
Global Training Center
Allee am Röthelheimpark 3
91052 Erlangen, Germany

Course size:

4–6 participants

Course fee:

15.200 DKK
This course is tax-exempt in accordance with § 4 No. 21 UStG (German VAT law)

Course ID:

MI2SPECTCT

Registration





> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

> IT Solutions

> Mammography

Molecular Imaging

> Magnetic Resonance Imaging

> Ultrasound

> Cardiology

> Fellowship Program

Customer Services

General Information

Molecular Imaging

Myocardial Perfusion SPECT: Corridor4DM

In-depth skills for MTs/RTs and nuclear medicine physicians



Myocardial perfusion SPECT has established itself as a valuable procedure for primary diagnosis and for determining the severity of coronary heart disease. This one-day training is given so that participants are able to independently complete such routine work as the quantification of myocardial perfusion and the evaluation of gated SPECT data.

Workshop instructor:

Prof. Dr. Wolfgang Schäfer,
Head of Department of Nuclear Medicine,
Maria Hilf Clinics Mönchengladbach, Germany

Course content:

- Fundamentals of myocardial perfusion SPECT
- Acquisition and reconstruction protocols
- Evaluation and display of myocardial perfusion SPECT with Corridor4DM
- Clinical case studies/prognostic value of the diagnostic findings
- Fundamentals of gated SPECT
- Evaluation and display of gated SPECT with Corridor4DM
- Value of highlighted parameters (EDV, ESV, LEVF, regional wall motion)
- Clinical case studies
- Hands-on workshops

Prerequisites:

- Experience working in quantitative coronary evaluation



10

CME Credits

Dates and language:

Autumn, 2020 German
Further dates: [siemens.com/healthcare-training-center](https://www.siemens.com/healthcare-training-center)

Organizer:

Imaging Science Institute
University Hospital Erlangen
Ulmenweg 18
91054 Erlangen, Germany

Location:

Siemens Healthcare
Training Center
Allee am Röthelheimpark 3
91052 Erlangen, Germany

Course size:

4–10 participants

Course fee:

3.800 DKK
This course is tax-exempt in
accordance with § 4 No. 21 UStG
(German VAT law)

Course ID:

MI84DMSPEC

Registration





> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

> IT Solutions

> Mammography

Molecular Imaging

> Magnetic Resonance Imaging

> Ultrasound

> Cardiology

> Fellowship Program

Customer Services

General Information

Molecular Imaging

PET Imaging Basics

Basic skills for MTs/RTs, physicians and physicists



The learning objective of this five-day course is to introduce participants into Positron Emission Tomography. The class covers the medical, physical and technological background of PET imaging.

Course content:

- Medical background of PET imaging
- Basic nuclear physics
- Radiation protection
- PET technology (data acquisition, reconstruction, quantification, corrections)
- FDG imaging basics

Prerequisites:

- Basic knowledge about medical imaging modalities



Dates and language:

Feb 03–07, 2020 English
Further dates: [siemens.com/healthcare-training-center](https://www.siemens.com/healthcare-training-center)

Organizer and location:

Siemens Healthineers
Global Training Center
Allee am Röthelheimpark 3
91052 Erlangen, Germany

Course size:

4–6 participants

Course fee:

19.000 DKK
This course is tax-exempt in accordance with § 4 No. 21 UStG (German VAT law)

Course ID:

MI2PETBAS

Registration





> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

> IT Solutions

> Mammography

Molecular Imaging

> Magnetic Resonance Imaging

> Ultrasound

> Cardiology

> Fellowship Program

Customer Services

General Information

Molecular Imaging

Biograph PET/CT Systems

Basic skills for MTs/RTs, physicians and physicists



The objective of this five-day course is to learn how to operate a Biograph PET/CT system. It enables participants to carry out routine daily tasks such as quality assurance and basic image acquisition and processing. Practical exercises on a Biograph PET/CT system and image processing workplaces are included.

Course content:

- Biograph PET/CT features
- Hardware controls
- Software overview
- Performing basic PET/CT acquisition protocols
- Basic PET/CT processing
- Quality control procedures

Prerequisites:

- Basic knowledge about PET imaging



Dates and language:

Feb 10–14, 2020 English
Further dates: [siemens.com/healthcare-training-center](https://www.siemens.com/healthcare-training-center)

Organizer and location:

Siemens Healthineers
Global Training Center
Allee am Röthelheimpark 3
91052 Erlangen, Germany

Course size:

4–6 participants

Course fee:

19.000 DKK
This course is tax-exempt in accordance with § 4 No. 21 UStG (German VAT law)

Course ID:

M12BIOGRAP

Registration





> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

> IT Solutions

> Mammography

Molecular Imaging

> Magnetic Resonance Imaging

> Ultrasound

> Cardiology

> Fellowship Program

Customer Services

General Information

Molecular Imaging

Advanced PET/CT Imaging

In-depth skills for MTs/RTs, physicians and physicists



Within this five-day course you will improve your knowledge about PET image quality. Participants will learn to use advanced PET/CT List mode protocols which can include cardiac and respiratory gating as well as dynamic acquisition. In addition you will get information about basic processing of such studies including hands-on.

Course content:

- PET image quality
- PET in Oncology, Cardiology and Neurology
- PET List mode imaging
- Dynamic PET/CT protocols
- Cardiac gated PET/CT protocols
- Respiratory gated PET/CT protocols
- Respiratory gating hardware

Prerequisites:

- Knowledge about PET imaging and Biograph PET/CT systems



Dates and language:

Jan 13–17, 2020 English
Further dates: [siemens.com/healthcare-training-center](https://www.siemens.com/healthcare-training-center)

Organizer and location:

Siemens Healthineers
Global Training Center
Allee am Röthelheimpark 3
91052 Erlangen, Germany

Course size:

4–6 participants

Course fee:

19.000 DKK
This course is tax-exempt in accordance with § 4 No. 21 UStG (German VAT law)

Course ID:

MI3BIOADV

Registration





> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

> IT Solutions

> Mammography

Molecular Imaging

> Magnetic Resonance Imaging

> Ultrasound

> Cardiology

> Fellowship Program

Customer Services

General Information

Molecular Imaging

Operating the Radioisotope Delivery System Eclipse

In-depth skills for PETNET pharmacy staff – MTs/RTs and physicians



This three-day course is designed for operators of Eclipse RD, HP, and ST cyclotron systems, with a focus on F-18 production. It covers the safe and efficient day-to-day operation of the Eclipse system for normal clinical and production pharmacy use.

The training includes safety instructions applicable to operations, a simplified theory-of-operation, and intensive, supervised hands-on experience with computer simulators and operating the Eclipse cyclotron.

Prerequisites:

Students must be trained and badged as Radiation Workers, and have ES&H training appropriate for the work. Students should have a basic grasp of pharmacy operations and routine as well as the basic physics of the atom prior to attending this class.

Course content:

Covering the safe and efficient operation of the Eclipse systems for normal pharmacy operations (this training does not cover installation of the Eclipse cyclotron, nor does it cover PET tracer chemistry units.)



Dates and language:

Jan 28–30, 2020 English
Mar 31–Apr 2, 2020 English

Organizer and location:

Siemens Molecular Imaging
810 Innovation Drive
Knoxville, TN 37932 USA

Course size:

3–6 participants

Course fee:

27.200 DKK incl. VAT

Course ID:

M18ECLIPS

Registration





> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

> IT Solutions

> Mammography

> Molecular Imaging

Magnetic Resonance Imaging

> Ultrasound

> Cardiology

> Fellowship Program

Customer Services

General Information

Magnetic Resonance Imaging

	MTs/RTs	Physicians	Physicists	IT	Basic skills	In-depth skills	Course type	Page
Magnetic Resonance Imaging								
> BioMatrix & GO Technologies	•	•			•			55
> MRI Intensive – Neurological Imaging New	•	•				•		56
> MRI Intensive – Musculoskeletal Imaging New	•	•				•		57
> MRI Intensive – Abdominal Imaging New	•	•				•		58
> MRI Intensive – MR Angiography New	•	•				•		59
> Concepts and Application of MR Imaging New	•	•				•		60
> MR 3-Tesla Imaging	•	•				•		61
> MR Image Quality and Optimization	•	•				•		62
> MR Protocol Optimization	•	•				•		63
> Cardiac Imaging in MRI	•	•			•	•		64
> MRI Refresher Workshop New	•	•				•		65
> MR Neuroradiological and Musculoskeletal Imaging	•	•				•		66
> MRI – Breast Workshop		•				•		67
> MRI – MDCT Abdomen	•	•				•		68
> MRI – Prostate Workshop		•				•		69
> MR syngo.via Imaging Advanced	•	•				•		70
> MR Observership	•	•	•		•	•		71



> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

> IT Solutions

> Mammography

> Molecular Imaging

Magnetic Resonance Imaging

> Ultrasound

> Cardiology

> Fellowship Program

Customer Services

General Information

Magnetic Resonance Imaging

BioMatrix & GO Technologies – Using Them Effectively

Basic skills for MTs/RTs and physicians



On this three-day course participants will be taught about the functions and operation of BioMatrix & GO MRT systems in more detail. You will practice using specific hardware components of the system and learn how to use individual components such as the new MRT coils or patient bed. Participants will also learn how to use new, exclusive system applications and gain insight into their analysis,

based on the latest software platform. On this very application-oriented course, practical training includes about 50 percent of the time on the scanner and 20 percent on simulators.

Course content:

- Product overview of BioMatrix & GO MRT systems
- New MRT coils, new patient bed, Select&GO, Intercom
- Use of known and new MR applications of BioMatrix & GO MRT systems
- Theoretical and practical introduction to the new *syngo* interface
- Image viewing and image postprocessing using View&GO
- Dot Engines

Prerequisites:

- Experience with MAGNETOM MRT systems



29

Credit Points

Dates and language:

May 11 – 13, 2020 German
Jun 22 – 24, 2020 German
Sep 28 – 30, 2020 German

Organizer:

Siemens Healthcare GmbH

Location:

Imaging Science Institute
University Hospital Erlangen
Ulmenweg 18
91054 Erlangen, Germany

Course size:

4 – 10 participants

Course fee:

10,000 DKK

This course is tax-exempt in
accordance with § 4 No. 21 UStG
(German VAT law)

Course ID:

MR8BIOMAT

Registration





> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

> IT Solutions

> Mammography

> Molecular Imaging

Magnetic Resonance Imaging

> Ultrasound

> Cardiology

> Fellowship Program

Customer Services

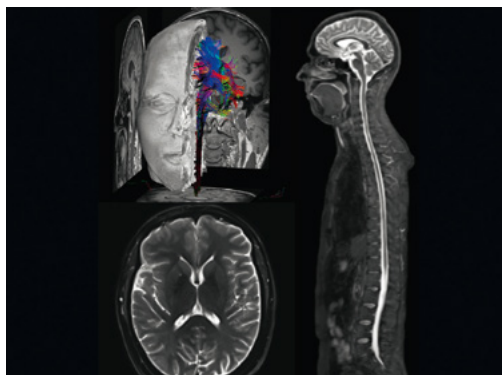
General Information

Magnetic Resonance Imaging

New

MRI Intensive – Neurological Imaging

In-depth skills for MTs/RTs and physicians



Neurological imaging is an essential component of MRI diagnosis. On this intensive three-day course participants will be given an overview of the range of neurological imaging in MRI. In addition to morphological 2D and 3D imaging, advanced acquisition techniques will be discussed, such as functional MRI.

In the practical session participants will be able to practice and discuss theory by examining volunteers. The teaching is conducted in close collaboration with technical and clinical instructors.

Course content:

- Protocols and workflows for cerebral and spinal imaging
- Physical and clinical principles of advanced neurological imaging: diffusion, perfusion, fiber tracking, SWI
- Factors influencing the image quality: identifying and avoiding artefacts
- Identifying and assessing common findings
- Case-specific adaptation of examination protocols

¹ Number of CME Credits may vary.



26

Credit Points

30

CME Credits¹

Dates and language:

Mar 16 – 18, 2020 German
Oct 19 – 21, 2020 German

Organizer and location:

Imaging Science Institute
University Hospital Erlangen
Ulmenweg 18
91054 Erlangen, Germany

Course size:

6–8 participants

Course fee:

13.800 DKK

This course is tax-exempt in accordance with § 4 No. 21 UStG (German VAT law)

Course ID:

MR8NEURO

Registration





> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

> IT Solutions

> Mammography

> Molecular Imaging

Magnetic Resonance Imaging

> Ultrasound

> Cardiology

> Fellowship Program

Customer Services

General Information

Magnetic Resonance Imaging

New

MRI Intensive – Musculoskeletal Imaging

In-depth skills for MTs/RTs and physicians



Courtesy of: University Medical Center Mannheim, Germany
Radiologie München-Nord, Germany

This intensive three-day course on musculoskeletal MRI diagnosis is intended for participants who wish to refresh and extend their existing knowledge. In addition to current strategies for common standard examinations advanced techniques are also discussed, for example biochemical or implant imaging.

Skills can be consolidated by carrying out examinations on volunteers. The teaching is conducted in close collaboration with technical and clinical instructors.

Course content:

- Protocols and workflows for musculoskeletal imaging
- Physical and clinical principles of advanced MSK imaging, for example T1, T2 and T2* mapping
- Factors influencing the image quality: identifying and avoiding artefacts
- Identifying and assessing common findings
- Case-specific adaptation of examination protocols
- Examinations on implants suitable for MR using Implant Suite

¹ Number of CME Credits may vary.



26

Credit Points

30

CME Credits¹

Dates and language:

Mar 19–21, 2020 German
Oct 22–24, 2020 German

Organizer and location:

Imaging Science Institute
University Hospital Erlangen
Ulmenweg 18
91054 Erlangen, Germany

Course size:

6–8 participants

Course fee:

13.800 DKK

This course is tax-exempt in accordance with § 4 No. 21 UStG (German VAT law)

Course ID:

MR8MSK

Registration





> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

> IT Solutions

> Mammography

> Molecular Imaging

Magnetic Resonance Imaging

> Ultrasound

> Cardiology

> Fellowship Program

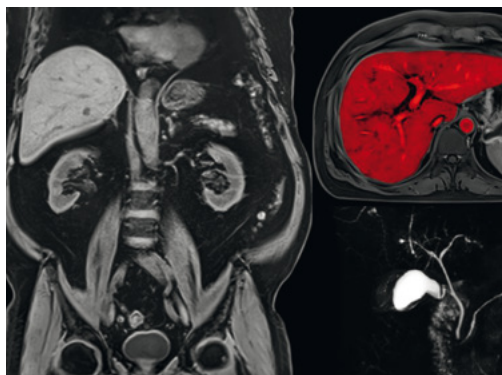
Customer Services

General Information

Magnetic Resonance Imaging

MRI Intensive – Abdominal Imaging

In-depth skills for MTs/RTs and physicians



This intensive three-day MRI course gives participants the opportunity to refresh and expand their expertise in abdominal MRI. A further objective is to give participants a better understanding of basic physics and advanced imaging techniques for daily applications.

Knowledge acquired in the theory session can be applied and practiced directly in practical examinations on volunteers, so that it can be integrated more easily into the daily routine. The teaching is conducted in close collaboration with technical and clinical instructors.

Course content:

- Physical and clinical principles of techniques relevant to abdominal MR imaging, for example rapid imaging or strategies for reducing movement
- Factors influencing the image quality: identifying and avoiding artefacts
- Identifying/assessing common findings
- Case-specific adaptation of examination protocols

¹ Number of CME Credits may vary.



26

Credit Points

30

CME Credits¹

Dates and language:

Mar 23 – 25, 2020 German
Nov 09 – 11, 2020 German

Organizer and location:

Imaging Science Institute
University Hospital Erlangen
Ulmenweg 18
91054 Erlangen, Germany

Course size:

6–8 participants

Course fee:

13.800 DKK

This course is tax-exempt in accordance with § 4 No. 21 UStG (German VAT law)

Course ID:

MR8ABDOMEN

Registration





> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

> IT Solutions

> Mammography

> Molecular Imaging

Magnetic Resonance Imaging

> Ultrasound

> Cardiology

> Fellowship Program

Customer Services

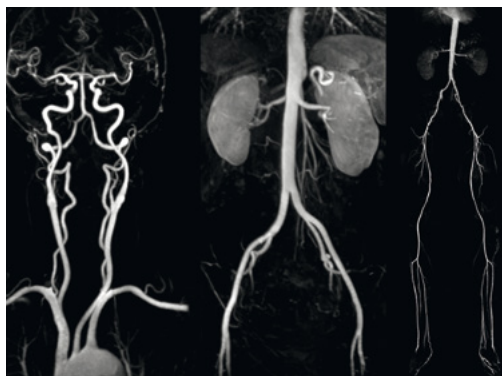
General Information

Magnetic Resonance Imaging

New

MRI Intensive – MR Angiography

In-depth skills for MTs/RTs and physicians



Courtesy of: Jacksonville Site, Jacksonville, U.S.
University Medical Center Mannheim, Germany
MRI-Medical Radiological Institutes Zürich, Switzerland

This three-day intensive MRI course gives participants the opportunity to extend and further their knowledge of MR angiography. Participants will also gain a better understanding of the basic physics and advanced imaging techniques for daily applications.

The combination of presentations and practical examinations of volunteers provided by this course will help you integrate newly acquired skills into your daily routine. The teaching is conducted in close collaboration with technical and clinical instructors.

Course content:

- Physical and clinical principles of angiographic MR imaging
- Contrast media: foundations/applications
- Methods with and without contrast media enhancement
- Protocols and parameters for rapid imaging
- Factors influencing the image quality: identifying and avoiding artefacts
- Identifying/assessing common findings
- Case-specific adaptation of examination protocols

¹ Number of CME Credits may vary.



26

Credit Points

30

CME Credits¹

Dates and language:

Mar 26 – 28, 2020 German
Nov 12 – 14, 2020 German

Organizer and location:

Imaging Science Institute
University Hospital Erlangen
Ulmenweg 18
91054 Erlangen, Germany

Course size:

6–8 participants

Course fee:

13.800 DKK

This course is tax-exempt in accordance with § 4 No. 21 UStG (German VAT law)

Course ID:

MR8ANGIO

Registration





> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

> IT Solutions

> Mammography

> Molecular Imaging

Magnetic Resonance Imaging

> Ultrasound

> Cardiology

> Fellowship Program

Customer Services

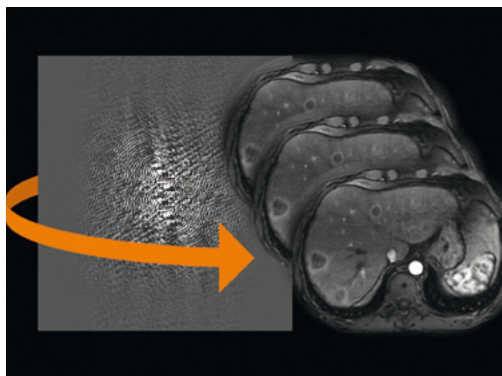
General Information

Magnetic Resonance Imaging

New

Concepts and Application of MR Imaging

In-depth skills for MTs/RTs and physicians



Courtesy of: University Hospital Großhadern, Munich, Germany

Magnetic resonance imaging currently provides a broad spectrum of examination protocols and measurement techniques. This comprehensive overview explains the basic concepts of MRI and will help you coordinate a large number of sequences and capturing methods, thus giving you a deeper understanding of MR imaging.

Physical concepts are directly connected to their clinical applications. You will be able to apply, discuss and deepen your understanding of the theory in joint practical sessions with volunteers.

Course content:

- MR safety
- Concepts of MRI: Signal, contrast, image coding
- Measurement techniques and image parameters
- Concepts of rapid imaging
- Techniques for reducing movement
- Image quality and artefacts
- Practical measurements on volunteers

¹ Number of CME Credits may vary.



Credit Points

Dates and language:

May 25 – 27, 2020 German
Oct 12 – 14, 2020 German

Organizer and location:

Imaging Science Institute
University Hospital Erlangen
Ulmenweg 18
91054 Erlangen, Germany

Course size:

6–8 participants

Course fee:

13.800 DKK

This course is tax-exempt in accordance with § 4 No. 21 UStG (German VAT law)

Course ID:

MR8MRINTRO

Registration





> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

> IT Solutions

> Mammography

> Molecular Imaging

Magnetic Resonance Imaging

> Ultrasound

> Cardiology

> Fellowship Program

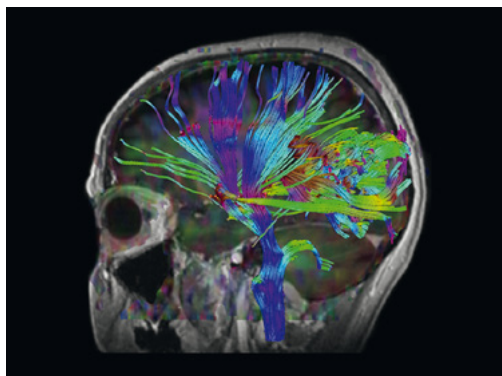
Customer Services

General Information

Magnetic Resonance Imaging

MR 3-Tesla Imaging

In-depth skills for users of MAGNETOM Tim+Dot-systems – MTs/RTs and physicians



Courtesy of: MRI Medical Radiological Institute, Zurich, Switzerland

This three-day intensive course is designed for users of 3T devices and users migrating to 3T in the near future. Theoretical basic training in how to make optimal use of the huge potential of 3T and handle possible challenges. The course is very practical. Participants will spend about 50 percent of the course on MAGNETOM 3T systems and carry out measurements on volunteers to gain experience.

Course content:

- 3T – innovative MAGNETOM system and acquisition technologies
- 3T – image quality and optimization:
 - Signal to noise
 - Contrasts
 - Spatial and temporal resolution
 - Speed
- 3T – challenges:
 - Specific Absorption Rate (SAR)
 - Chemical shift
 - Susceptibility
 - Dielectric effects
- 3T – clinical applications

Prerequisites:

- Experience in MRT



30

Credit Points

Dates and language:

Jun 08 – 10, 2020 German

Organizer and location:

Imaging Science Institute
University Hospital Erlangen
Ulmenweg 18
91054 Erlangen, Germany

Course size:

Max. 8 participants

Course fee:

13.800 DKK

This course is tax-exempt in accordance with § 4 No. 21 UStG (German VAT law)

Course ID:

MR8TESINT

Registration





> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

> IT Solutions

> Mammography

> Molecular Imaging

Magnetic Resonance Imaging

> Ultrasound

> Cardiology

> Fellowship Program

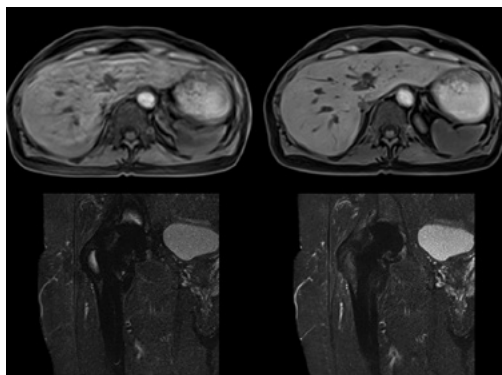
Customer Services

General Information

Magnetic Resonance Imaging

MR Image Quality and Optimization

In-depth skills for MTs/RTs and physicians



Courtesy of: MRI Medical Radiological Institute, Zurich, Switzerland

The image quality is a key factor for making a rapid and informative diagnosis. The aim should be optimal image quality and short examination times to optimize the process. How can we influence the image quality? What does a good image consist of? This three-day course should provide answers to these questions. Participants will gain an overview of protocol parameters and their influence on image quality.

Enough time will be spent on MAGNETOM systems (1.5T and 3T) to get experience of different parameter settings and develop strategies for improving the image quality and optimizing protocols by using practical case studies. The course is very practice-oriented –participants will spend about 70 percent of the course on the scanner.

Course content:

- Protocol parameters and the interaction thereof
- Physiological, physical and systemic artefacts
- Protocol optimization
- Motion management

Prerequisites:

- Experience in MRT



30

Credit Points

Dates and language:

Mar 30–Apr 01, 2020 German
Apr 20–22, 2020 German
Jun 29–Jul 01, 2020 German
Sep 14–16, 2020 German
Oct 26–28, 2020 German
Nov 16–18, 2020 German
Dec 07–09, 2020 German

Organizer and location:

Imaging Science Institute
University Hospital Erlangen
Ulmenweg 18
91054 Erlangen, Germany

Course size:

Max. 8 participants

Course fee:

13.800 DKK

This course is tax-exempt in accordance with § 4 No. 21 UStG (German VAT law)

Course ID:

MR8BQOPT

Registration





> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

> IT Solutions

> Mammography

> Molecular Imaging

Magnetic Resonance Imaging

> Ultrasound

> Cardiology

> Fellowship Program

Customer Services

General Information

Magnetic Resonance Imaging

MR Protocol Optimization

In-depth skills for MTs/RTs and physicians, radiologists



It is all about high image quality to provide the most accurate diagnosis possible. This one-day workshop broadens the participants' skills regarding the different parameters and sequence techniques, and their interaction in regard to this relevant factor. Siemens Healthineers experts combine lectures and demonstrations on the simulator to provide a comprehensive understanding of this topic.

Course content:

- Review physical principles and safety aspects of MRI
- Contrast, time and resolution and their complex interaction
- Advanced sequences and parallel imaging techniques
- Defining several parameters and rating the interaction between them (using a simulator for demonstration)

Prerequisites:

- Basic knowledge of Magnetic Resonance Imaging



8

CPD Points

Dates:

Please see:
healthcare.siemens.at/education/med-imag-therapy

Language:

German

Organizer:

Siemens Healthcare
Diagnostics GmbH
Siemensstr. 90
1210 Vienna, Austria

Course size:

Max. 25 participants

Course fee:

3.500 DKK incl. VAT

Registration





> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

> IT Solutions

> Mammography

> Molecular Imaging

Magnetic Resonance Imaging

> Ultrasound

> Cardiology

> Fellowship Program

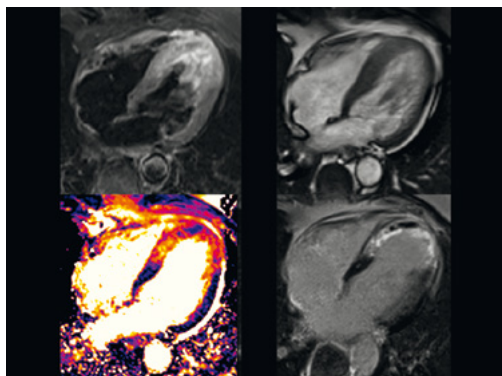
Customer Services

General Information

Magnetic Resonance Imaging

Cardiac Imaging in MRI

Basic and in-depth skills for MTs/RTs and physicians, radiologists, cardiologists



Courtesy of: Helios Klinikum Berlin-Buch, Germany

In recent years, cardiac MRI has evolved into a key procedure in diagnostic and functional cardiac imaging. These imaging procedures are proven and reliable predictive techniques for diagnosing a wide range of cardiovascular pathologies. The objective of this course is to give users more confidence as they carry out MRI cardiac examinations.

Under the expert direction of the University Hospital Erlangen and Siemens Healthineers, participants have the opportunity to perform cardiac measurements on volunteers and to observe examinations on real patients in clinical settings.

Course content:

- Fundamentals of MRI physics
- MRI anatomy of the cardiovascular system
- Examination techniques and evaluation strategies for cardiac MRI
- Protocol optimization for cardiac MRI examinations
- Functional cardiac imaging
- Practical training on different MRI systems using clinical cases

Prerequisites:

- Advanced knowledge in MRI

¹ Number of CME Credits may vary.



23

Credit Points

30

CME Credits¹

Dates and language:

Mar 05–07, 2020 German
Jun 25–27, 2020 German
Sep 17–19, 2020 German
Dec 10–12, 2020 German

Organizer and location:

Imaging Science Institute
University Hospital Erlangen
Ulmenweg 18
91054 Erlangen, Germany

Workshop instructor:

PD Dr. Rolf Janka,
Radiological Institute,
University Hospital Erlangen

Course size:

6–12 participants

Course fee:

14.800 DKK
This course is tax-exempt in
accordance with § 4 No. 21 UStG
(German VAT law)

Course ID:

MR8ADV CARD

Registration





> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

> IT Solutions

> Mammography

> Molecular Imaging

Magnetic Resonance Imaging

> Ultrasound

> Cardiology

> Fellowship Program

Customer Services

General Information

Magnetic Resonance Imaging

MRI Refresher Workshop

Basic and in-depth skills for MTs/RTs and radiologists



This workshop complements the “State-of-the-art MR technology and applications” course. Participants are already using MR and would like to refresh their basic knowledge and learn about new developments. The following topics will be covered: an update on the basic structure of a state-of-the-art MR scanner from a technical perspective and on different, new designs and field strengths; relevant safety aspects for MR scanners, operating staff and patients, and a refresher

on basic physical principles – how an MR image is formed, different weightings, state of the art sequencing techniques with and without contrast media, rapid sequencing techniques and basic measurement parameters.

Course content:

- Basic principles of MR imaging and weightings, contrast and resolution
- Differences between turbo spin echo and gradient echo sequences
- Selection of sequencing techniques for rapid imaging and for dynamic imaging
- Parameter differences between 1.5T and 3T
- Fat saturation techniques and contrast media
- Structure, components of an MR system and differences
- Safety aspects of the magnetic field
- Visualisation of MR images on syngo.via workstations

Prerequisites:

- Basic knowledge of MR imaging



10

DFP Credits

Dates:

Please see:
healthcare.siemens.at/education/med-imag-therapy

Language:

German

Organizer:

Department of Biomedical Imaging, Image-Guided Therapy and Nuclear Medicine
Währinger Gürtel 18–20
1090 Vienna, Austria

Course size:

5–12 participants

Course fee:

4.500 DKK incl. VAT

Registration





> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

> IT Solutions

> Mammography

> Molecular Imaging

Magnetic Resonance Imaging

> Ultrasound

> Cardiology

> Fellowship Program

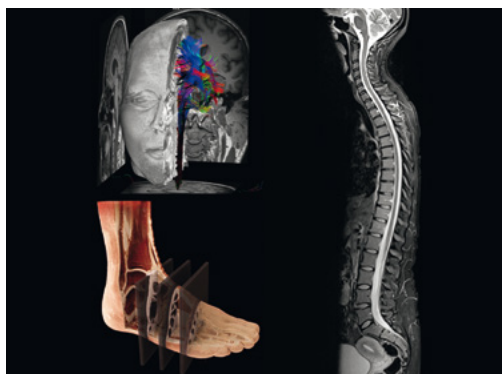
Customer Services

General Information

Magnetic Resonance Imaging

MR Neuroradiological and Musculoskeletal Imaging

In-depth skills for MTs/RTs and physicians, radiologists



These two one-day intensive courses on MRI scanners in neuroradiological and musculoskeletal diagnosis cover topics such as physical prerequisites, predictive clinical value and examination protocols as well as commonly used standard evaluations. The course is designed for participants who wish to refresh their existing basic knowledge, extend their knowledge and enhance their skills through hands-on instruction.

Course content:

- Overview of high-field safety precautions
- Performing an MRI examination: patient preparation, introduction to the user interface
- Standard evaluations: spectroscopy, perfusion/diffusion tensor including hands-on sessions

Module 1: Neuroimaging

- Protocols for multimodal tumor imaging and disorders of white substance

Module 2: Musculoskeletal imaging

- Protocols for examining joints and the spine
- Advanced techniques for biochemical imaging and more
- Lectures on key topics

Prerequisites:

- Basic knowledge of MR Imaging
- Experience with operating the syngo.via user interface and image post-processing



8-9

DFP Credits

Dates:

Please see:
healthcare.siemens.at/education/med-imag-therapy

Language:

German

Organizer:

Department of Biomedical Imaging, Image-Guided Therapy and Nuclear Medicine
Währinger Gürtel 18–20
1090 Vienna, Austria

Course size:

5–12 participants

Course fee:

4.500 DKK incl. VAT
per module

Registration





> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

> IT Solutions

> Mammography

> Molecular Imaging

Magnetic Resonance Imaging

> Ultrasound

> Cardiology

> Fellowship Program

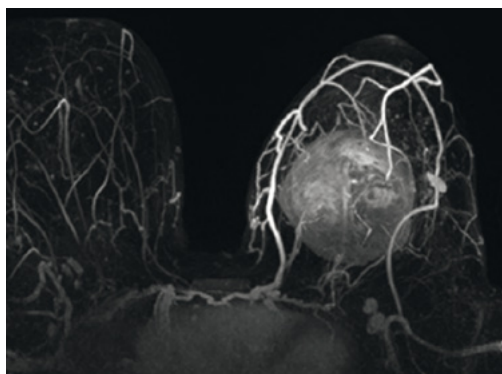
Customer Services

General Information

Magnetic Resonance Imaging

MRI – Breast Workshop

In-depth skills for physicians and radiologists



Courtesy of: University Department for Radiagnostics and Nuclear Medicine, Medical University of Vienna, Austria

This one-day workshop includes scientific lectures as well as *syngo.via* user interface presentations with workshop units for breast MRI. In addition to the diagnosis and treatment of breast carcinomas, participants will discuss pathology in terms of characteristics and risk. Further topics include examination planning, patient preparation, sequence technique and executing routine examination protocols, as well as MR-targeted biopsy.

The workshop avoids clinically irrelevant topics and focuses on structured, evidence-based case diagnostics.

Course content:

- Indication, implementation and diagnosis
- Functionality of the user interface, for example, for diffusion evaluation
- Analysis of selected cases

Prerequisites:

- Experience with MRI and operating the *syngo.via* user interface



10

DFP Credits

Dates:

Please see:
healthcare.siemens.at/education/med-imag-therapy

Language:

German

Organizer:

Department of Biomedical Imaging, Image-Guided Therapy and Nuclear Medicine
Währinger Gürtel 18–20
1090 Vienna, Austria

Course size:

5–12 participants

Course fee:

6.200 DKK incl. VAT

Registration



> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

> IT Solutions

> Mammography

> Molecular Imaging

Magnetic Resonance Imaging

> Ultrasound

> Cardiology

> Fellowship Program

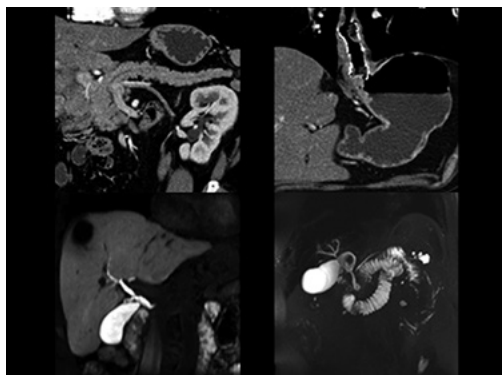
Customer Services

General Information

Magnetic Resonance Imaging

MRI – MDCT Abdomen

In-depth skills for MTs/RTs and physicians, radiologists



The workshop consists of scientific lectures and *syngo.via* user interface presentations, including hands-on units in three independent modules. The course is given in state-of-the-art seminar rooms equipped with *syngo.via* client-server based workplaces. Small groups with no more than twelve participants ensure optimal learning results.

Learners who attend this workshop can focus intensively on new techniques and actively share their experience without being distracted by daily work.

Course content:

- Choosing CT versus MRI
- Examination protocols, contrast media, image quality
- Benefits of advanced sequences
- Diagnosis of various diseases
- Correct interpretation of clinical condition based on radiological findings
- Presentation and training with *syngo.via* workflows
- Workstation training in small groups

Course module:

- Pancreas workshop: 1 day
- Liver and Biliary Tract workshop: 1 day
- Gastrointestinal Tract workshop: 1 day

Prerequisites:

- Experience with MRI/MDCT



8-10

DFP Credits

Special offer:

Book 3 for the price of 2!

Dates:

Please see:
[healthcare.siemens.at/
education/med-imag-therapy](https://healthcare.siemens.at/education/med-imag-therapy)

Language:

German

Organizer:

Department of Biomedical
Imaging, Image-Guided
Therapy and Nuclear Medicine
Währinger Gürtel 18–20
1090 Vienna, Austria

Course size:

5–12 participants

Course fee:

4.500 DKK incl. VAT
per module

Registration



> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

> IT Solutions

> Mammography

> Molecular Imaging

Magnetic Resonance Imaging

> Ultrasound

> Cardiology

> Fellowship Program

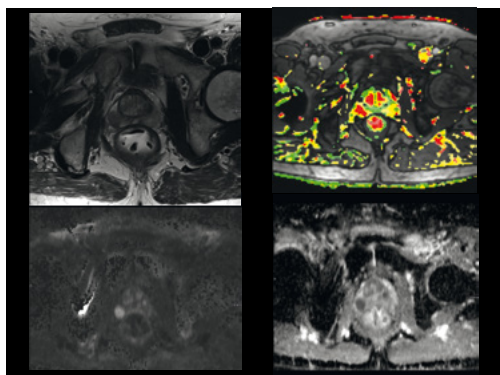
Customer Services

General Information

Magnetic Resonance Imaging

MRI – Prostate Workshop

In-depth skills for physicians and radiologists



This one-day workshop refreshes MRI-Prostate knowledge and includes scientific lectures as well as presentations of the *syngo.via* user interface and hands-on training. Presentations like patient preparation and correct examination protocol planning will lead to a correct interpretation of radiological findings. The course is equipped with *syngo.via* client-server based workplaces. Small groups with no more than 12 participants ensure optimal learning results.

Course content:

- Diagnoses and therapy of prostate cancer
- Technique of multi-parametric MRI
- PI-RADS V2-systemic and appliance
- Pitfalls of prostate MRI
- Characteristics of PZ and TZ in MRI
- Pathology of the prostate gland
- MRI-guided biopsy of the prostate gland
- 4 Hands-on sessions

Prerequisites:

- Experience with MRI and operating the *syngo.via* user interface



11

DFP Credits

Dates:

Please see:
[healthcare.siemens.at/
education/med-imag-therapy](https://healthcare.siemens.at/education/med-imag-therapy)

Language:

German

Organizer:

Department of Biomedical
Imaging, Image-Guided
Therapy and Nuclear Medicine
Währinger Gürtel 18–20
1090 Vienna, Austria

Course size:

5–12 participants

Course fee:

6.200 DKK incl. VAT

Registration



> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

> IT Solutions

> Mammography

> Molecular Imaging

Magnetic Resonance Imaging

> Ultrasound

> Cardiology

> Fellowship Program

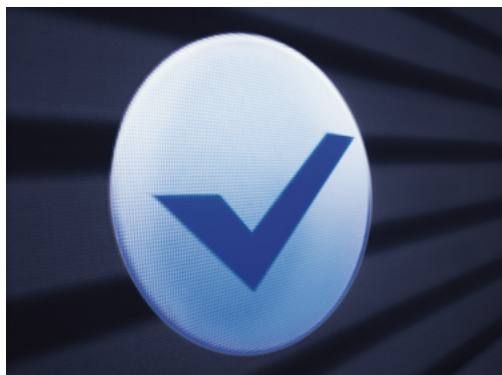
Customer Services

General Information

Magnetic Resonance Imaging

MR syngo.via Imaging Advanced

In-depth skills for syngo.via user – MTs/RTs and physicians, radiologists



This one-day syngo.via Imaging Workshop in Magnetic Resonance Imaging will provide syngo.via users with advanced MR workflow knowledge, evaluation and documentation principles in theoretical and practical training sessions on client-server based demo consoles. Additionally, there will be an update to recent software version changes to get acquainted with news on basic configuration options, different roles and the user interface.

The main topic of the course is to assure advanced visualization knowledge in MR Imaging throughout all MR Engines.

Course content:

- Update software “state-of-the-art”
- MR Vascular
- MR Cardiac
- MM Oncology
- MR Prostate
- MR Breast
- MR Neurology
- MR Spectro Composing
- MR specific Workflows

Prerequisites:

- Basic IT and DICOM skills, clinical workflow and basic 2D/3D imaging skills



8

DFP Credits

Dates:

Please see:
[healthcare.siemens.at/
education/med-imag-therapy](https://healthcare.siemens.at/education/med-imag-therapy)

Language:

German

Organizer:

Department of Biomedical
Imaging, Image-Guided
Therapy and Nuclear Medicine
Währinger Gürtel 18–20
1090 Vienna, Austria

Course size:

5–12 participants

Course fee:

4.500 DKK incl. VAT
per module

Registration



> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

> IT Solutions

> Mammography

> Molecular Imaging

Magnetic Resonance Imaging

> Ultrasound

> Cardiology

> Fellowship Program

Customer Services

General Information

Magnetic Resonance Imaging

MR Observership

Basic and in-depth skills for MTs/RTs and physicians, radiologists, physicists



An Observership is a program in the radiology department of Siemens cooperation partners. Participants can improve personal knowledge and skills by observing the clinical workflow of the host location, including workflows, examination procedures and reporting as well as software applications and scanner protocols. The program focuses on the daily clinical routine in a hospital.

Observership content:

General MRI, Cardiology, Neurology, Oncology, Musculoskeletal Imaging, Pediatrics, Men's/Women's Health, intra-operative MRI Neurosurgery, MR/PET, depending on the host location



Dates and language:

On request, English

Organizer:

Siemens Healthineers
Allee am Röthelheimpark 2
91052 Erlangen, Germany

Observership instructor:

Multinational Observership sites

Course size:

1–2 participants

Course length:

2–10 days

Course fee:

On request

Registration:

Please contact your local sales representative

Website





> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

> IT Solutions

> Mammography

> Molecular Imaging

> Magnetic Resonance Imaging

Ultrasound

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General Information



Ultrasound

	RTs / Sonographer	Physicians	Basic skills	In-depth skills	Course type	Page
Ultrasound						
> ACUSON Juniper ultrasound system	•	•	•	•		73
> ACUSON SC2000 ultrasound system	•	•	•	•		74
> ACUSON Sequoia ultrasound system	•	•	•	•		75
> ACUSON S Family ultrasound system	•	•	•	•		76
> ACUSON S2000 ABVS Peer-to-Peer Case New		•	•	•		77
> Volume Imaging Preceptorship	•	•		•		78
> Volume 3D TEE Yale Preceptorship	•	•	•	•		79
> 3D TEE Workshop		•		•		80

As a vendor we are unable to offer or provide CME (AMA PRA Category 1 credits) to our customers. We currently only offer and provide customers CE (continuing education; Category A credits) units. If you need additional information please visit the direct link to ASRT.org.



> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

> IT Solutions

> Mammography

> Molecular Imaging

> Magnetic Resonance Imaging

Ultrasound

> Cardiology

> Fellowship Program

Customer Services

General Information

Ultrasound

ACUSON Juniper ultrasound system

Foundational and in-depth skills for physicians, RTs and sonographers



This one-day clinical applications team-led class includes lectures and instructor-led practice with the ACUSON Juniper ultrasound system. It will cover image optimization, measurements, and workflow optimization for routine clinical practice.

It will also cover advanced features such as Virtual Touch technologies and Advanced *fourSight* technology.

Course content:

- Knobology
- Image optimization
- Measurements/calculations
- Workflow optimization
- Basic and advanced system technologies
- Elastography and volume imaging



6.0

ASRT Credits¹

Dates and location:

Expert classes and locations vary, please contact your country representative for availability.

Language:

English

Organizer:

Siemens Training and Development Center
110 MacAlyson Court
Cary, NC 27511, USA

Course size:

As registered

Course fee:

Without travel: 12.000 DKK
With travel: 22.000 DKK

Registration:

Please contact your local Siemens Healthineers representative or call 1-800-228-4128 in the USA.

¹ ASRT Continuing Education Credits, category A



> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

> IT Solutions

> Mammography

> Molecular Imaging

> Magnetic Resonance Imaging

Ultrasound

> Cardiology

> Fellowship Program

Customer Services

General Information

Ultrasound

ACUSON SC2000 ultrasound system

Foundational and in-depth skills for physicians, RTs and sonographers



Course content:

- Knobology
- Image optimization
- Measurements/calculations
- Image management
- Basic system technologies
- 3D transthoracic imaging
- Real-time 4D volume transthoracic imaging
- Strain imaging

This one-day clinical applications team-led interactive class includes lectures and instructor-led practice on the ACUSON SC2000 ultrasound system. It will cover the features of image optimization and a demonstration of routine measurements. After this class, participants will be able to implement 3D transthoracic imaging and strain imaging, and be able to optimize workflow for routine clinical practice.

¹ ASRT Continuing Education Credits, category A



5.5

ASRT Credits¹

Dates:

Multiple courses throughout the year – please contact your local representatives for dates.

Language:

English

Organizer:

Siemens Training and Development Center
110 MacAlyson Court
Cary, NC 27511, USA

Course size:

Max. 6 participants

Course fee:

Without travel: 12.000 DKK
With travel: 22.000 DKK

Registration:

Please contact your local Siemens Healthineers representative or call 1-800-228-4128 in the USA.



> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

> IT Solutions

> Mammography

> Molecular Imaging

> Magnetic Resonance Imaging

Ultrasound

> Cardiology

> Fellowship Program

Customer Services

General Information

Ultrasound

ACUSON Sequoia ultrasound system

Basic and in-depth skills for physicians, RTs and sonographers



This one-day clinical applications led interactive classroom includes didactic lectures and instructor led practice on the ACUSON Sequoia ultrasound system. It will cover the fundamentals of image optimization, measurements, and workflow optimization for your routine clinical practice.

It will also cover advanced features such as Virtual Touch technologies and contrast enhanced ultrasound (CEUS). Instructors will also share best practices.

Course content:

- Knobology
- Image optimization
- Measurements/calculations
- Workflow optimization
- Use of system features and technology



6.75

ASRT Credits¹

Dates and location:

Expert classes alternate between Cary, NC Training Center and various locations. For USA, please contact your country representative for availability.

Language:

English

Organizer:

Siemens Training and Development Center
110 MacAlyson Court
Cary, NC 27511, USA

Course size:

As registered

Course fee:

Please contact your local sales representative

Registration:

To register, please contact your local Siemens Healthineers representative or 1-800-228-4128 in the USA.

¹ ASRT Continuing Education Credits, category A



> Clinical Specialties

> Computed Tomography

> Cardiovascular Care

> Interventional Radiology

> IT Solutions

> Mammography

> Molecular Imaging

> Magnetic Resonance Imaging

Ultrasound

> Cardiology

> Fellowship Program

Customer Services

General Information

Ultrasound

ACUSON S Family ultrasound system

Basic and in-depth skills for physicians, RTs and sonographers



This one-day clinical applications team-led class includes lectures and instructor demos on the ACUSON S3000 ultrasound system. It will cover the fundamentals of the ultrasound system including knobology, image optimization, measurements/calculations, and workflow optimization for your daily clinical practice.

The course content will also cover advanced system features such as Virtual Touch Quantification and Advanced *fourSight* technology.

Course content:

- Knobology
- Image optimization
- Measurements/calculations
- Image management
- Basic system technologies
- Virtual Touch Quantification (elastography)
- 3D and 4D ultrasound imaging technology

¹ ASRT Continuing Education Credits, category A



6.75

ASRT Credits¹

Dates and location:

Expert classes alternate between Cary, NC Training Center and various locations. For USA, please contact your country representative for availability.

Language:

English

Organizer:

Siemens Training and Development Center
110 MacAlyson Court
Cary, NC 27511, USA

Course size:

Max. 6 participants

Course fee:

Without travel: 12.000 DKK
With travel: 22.000 DKK

Registration





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ACUSON S2000 ABVS Peer-to-Peer Case

Foundational and in-depth skills for physicians



This interactive, one-day course is a peer-to-peer case interpretation workshop for the ACUSON S2000 ABVS and its imaging analysis software, the *syngo*.Ultrasound Breast Analysis (sUSBA).

The course is designed to help physicians realize the full potential of the ACUSON S2000 ABVS and sUSBA.

Course content:

- Video highlights of the ABVS system and sUSBA software
- Review of imaging artifacts commonly seen in everyday clinical practice
- Hands-on, sUSBA software knobology practice under the supervision of product experts
- Hands-on, sUSBA volume manipulation of simple to complex clinical cases

Prerequisites:

- General knowledge of ACUSON S2000 ultrasound system and *syngo*.Ultrasound Breast Analysis



13.5

ASRT Credits¹

Dates:

Multiple courses throughout the year

Location:

Siemens Healthineers Training & Development Center in Cary, NC or, optional, customer site. Please contact your country representative for availability.

Language:

English

Organizer:

Siemens Healthineers
221 Gregson Drive
Cary, NC 27511

Course size:

Max. 8 participants

Course fee:

Without travel: 16.700 DKK
With travel: 22.800 DKK

Registration:

Please contact your local Siemens Healthineers representative or call 1-800-228-4128 in the USA.

Registration





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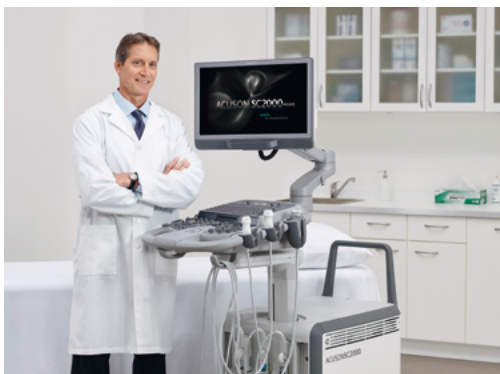
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Volume Imaging Preceptorship

In-depth skills for physicians and sonographers



This three-day course is designed to introduce advanced techniques in echocardiography. Participants will have the opportunity to observe image acquisition and scanning protocols for various symptom and disease conditions in clinical settings. In addition, there will be multiple lectures provided during the three-day period.

Course content:

- Lectures and hands-on training
- Fundamentals of three-dimensional imaging
- Volume color Doppler
- Valve analysis

Prerequisites:

- Basic knowledge of the ACUSON SC2000 ultrasound system



Dates:

Multiple courses throughout the year – please contact your local representatives for dates

Language:

English

Organizer:

Piedmont Hospital
168 Peachtree Rd NW,
Atlanta, GA 30309, USA

Course size:

As registered

Course fee:

On request

Registration:

Please contact your local Siemens Healthineers representative or call 1-800-228-4128 in the USA.



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Volume 3D TEE Yale Preceptorship

In-depth skills for physicians and sonographers



Course content:

- Lectures and hands-on training
- Fundamentals of three-dimensional imaging
- Volume color doppler
- Valve analysis

Prerequisites:

- Knowledge of the ACUSON SC2000 ultrasound system

This preceptorship is a one-day (up to 8 hours) customizable course which covers the basics of three-dimensional imaging and valve analysis in a clinical setting. The course allows participants to gain first hand exposure to a range of highly advanced diagnostic procedures using Siemens Healthineers Ultrasound technologies. It is also an excellent chance to exchange valuable insights on the latest procedures with experts from around the world.



Dates:

Multiple courses throughout the year – please contact your local representatives for dates

Language:

English

Organizer:

Yale Hospital Echo Lab
New Haven, CT, USA

Course size:

As registered

Course fee:

40.000 DKK

Registration:

Please contact your local Siemens Healthineers representative or call 1-800-228-4128 in the USA.



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3D TEE Workshop

In-depth skills for physicians and sonographers



This one-day physician-led workshop includes lectures and hands-on training on the ACUSON SC2000 volume imaging ultrasound system, including 3D TEE cardiac volumes, post-processing data sets, manipulations and interpretations. It will cover the fundamentals of 3D imaging, 3D color imaging and valve analysis.

Course content:

- Lectures
- Hands-on 3D TEE volume manipulation and interpretation
- Real-time 4D volume TEE manipulation and interpretation

Prerequisites:

- Knowledge of the ACUSON SC2000 ultrasound system and Z6Ms transducer



6.0

ASRT Credits¹

Dates:

Multiple courses throughout the year – please contact your local representatives for dates

Language:

English

Organizer:

Siemens Training and Development Center
110 MacAlyson Court
Cary, NC 27511, USA

Course size:

Max. 8 participants

Course fee:

Without travel: 23.500 DKK
With travel: 30.400 DKK

Registration:

Please contact your local Siemens Healthineers representative or call 1-800-228-4128 in the USA.

¹ ASRT Continuing Education Credits, category A



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Cardiovascular Care

Interdisciplinary training courses for cardiovascular care

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Cardiovascular Care								
> Cardiac CT	•	•			•			7
> CT Dose Optimization	•	•				•		8
> Coronary CTA Interpretation		•				•		9
> Cardiac CT with syngo.via	•	•			•	•		15
> Artis Workshop for Physicists			•			•		21
> Interventional Cardiology	•	•				•		22
> syngo.via – Imaging Basic	•	•		•	•			40
> Advanced PET/CT Imaging	•	•				•		52
> Cardiac Imaging in MRI	•	•			•	•		64
> ACUSON SC2000 ultrasound system	•	•			•	•		73
> Volume Imaging Preceptorship	•	•				•		78
> Volume 3D TEE Yale Preceptorship	•	•			•	•		79
> 3D TEE Workshop		•				•		80



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Fellowship Program

Observership courses in our host hospitals

	MTs/RTs	Physicians	Physicists	IT	Basic skills	In-depth skills	Course type	Page
Fellowship Program								
> Fellowship Computed Tomography	•	•			•	•	🔄	18
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> Neuroradiology – Artis zee biplane	•	•				•	🔄	30
> Interventional Oncology – Artis zeego	•	•				•	🔄	31
> Radiology and Interventional Therapy – Artis zee ceiling	•	•				•	🔄	32
> Interventional Neuroradiology – Artis zee biplane	•	•				•	🔄	33
> Interventional Radiology – Artis zee biplane	•	•				•	🔄	34
> MR Observership	•	•	•		•	•	🔄	71
> Volume Imaging Preceptorship	•	•				•	🔄	78
> Volume 3D TEE Yale Preceptorship	•	•			•	•	🔄	79



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The products/features and/or service offerings (here mentioned) are not commercially available in all countries and/or for all modalities. If the services are not marketed in countries due to

regulatory or other reasons, the service offering cannot be guaranteed. Please contact your local Siemens Healthineers organization for further details.



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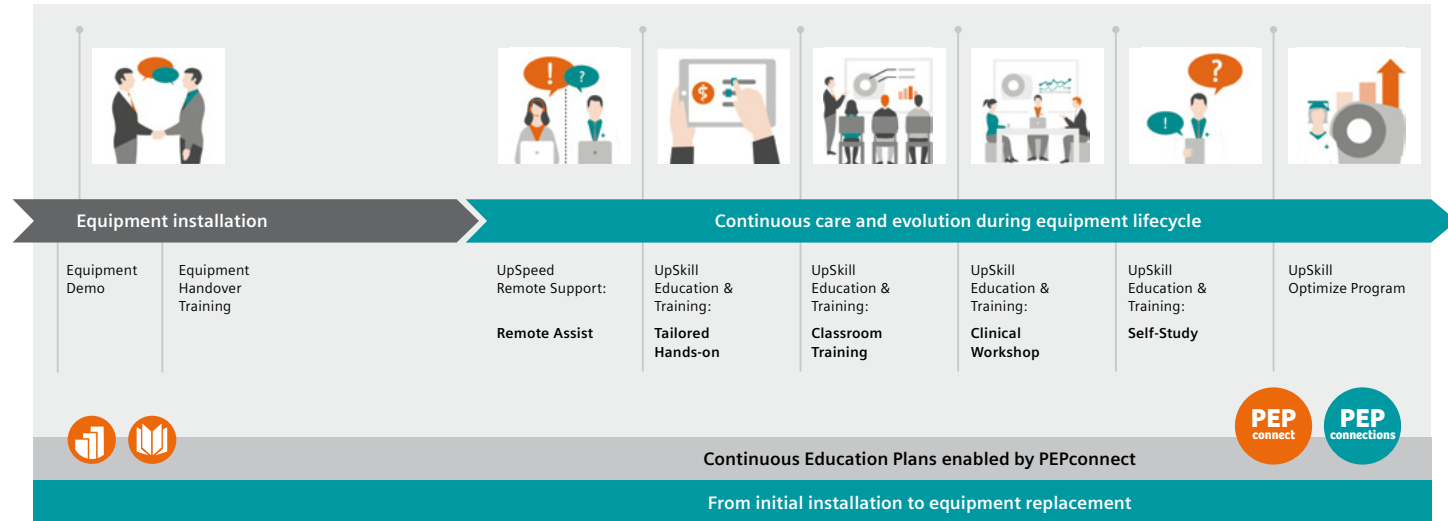
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UpSkill Services

Beyond installing new equipment, we provide you with the knowledge you need to excel

In a healthcare environment, keeping professional competence at the highest level is of utmost importance because it has a direct impact on clinical performance, personal job satisfaction, and patient outcomes.

With our Siemens Healthineers UpSkill Services, we share the latest technical and clinical knowledge enabling you to continuously and strategically build and develop your job-specific skill-sets to provide the best patient care.





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Education Plans



Gain Confidence. Grow Capabilities. Lead with Expertise.

An Education Plan bundles different elements of our UpSkill Services portfolio in a comprehensive service plan. It is flexible and can be adapted to changing needs and the state of the healthcare provider's workforces' knowledge.

As opposed to purchasing single trainings ad hoc, Education Plans focus on providing continuous education through long-term agreements tailored to your institution's needs. The goal is to keep your staff's knowledge level continuously up to date and empower them with expertise.

Annual Review and Customization ¹			Individual Support
Education and Skills Assessment ²			
PEPconnections	PEPconnections	PEPconnections	Options
Optimize Program	Optimize Program	Optimize Program	
Remote Assist	Remote Assist	Remote Assist	
		Clinical Workshop	Customizable
		Classroom Training	
	Tailored Hand-on	Tailored Hand-on	Core Plan
PEPconnect	PEPconnect	PEPconnect	
Hand-over Training	Hand-over Training	Hand-over Training	
Gain	Grow	Lead	

¹ In case of a multi-year contract / ² Availability of the assessment depends on country



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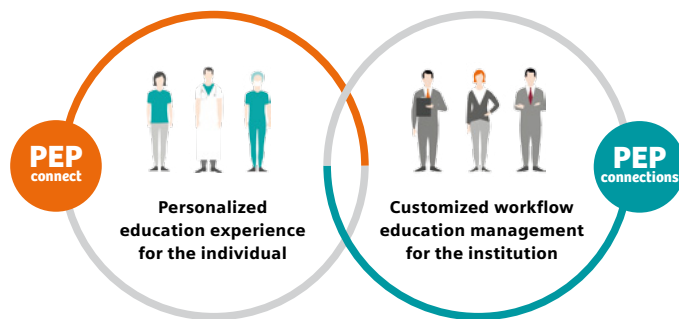
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Discover PEPconnect & PEPconnections

Your smarter connection to knowledge in digitalizing healthcare

PEPconnect is the industry's first personalized education and performance experience designed to offer healthcare professionals education and training that's customized to their role, competency, and learning behavior:

- Explore the broad portfolio of engaging in-vivo and in-vitro learning activities – including e-learning, webinars, job aids, videos, virtual-instructor-led events, and more
- Create your own learning experience with an individual profile, plan, and transcript to record your education
- Acquire and record the certificates you need¹
- Connect, communicate, and be part of social learning groups



With the premium subscription PEPconnections, you can easily manage your clinical institution's performance growth. Its integrated workforce education management and administration features allow you to:

- Easily personalize the education experience of individual employees with customizable learning plans, combining education designed by Siemens Healthineers and/or your own institution
- Assign, create, track, and manage the education of entire groups
- Communicate and share information and relevant activities with your staff at any time
- Streamline audit preparation with instant access to dashboards and comprehensive reports

¹ Continuing Education Credits (CECs) via certificate vary based on accrediting partnerships within country.



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Our Training Forms



Classroom Training

Classroom training sessions generally take place at our Training Centers. Theoretical principles of imaging are supplemented by a wide range of practical exercises on the most recent systems, giving learners the opportunity to gain skills for day-to-day clinical work.



Clinical Workshop

Clinical workshops are training programs which last one to several days and specifically focus on clinical issues. They include lectures given by clinical experts, live examinations, and, in many cases, practical exercises.



Fellowship Program

The visiting fellowship program enables customers to observe our systems in clinical practice, to discuss their use with colleagues at the host hospital, exchange experiences and develop new contacts.



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Our Locations

Siemens Healthineers Global Training Center

The Siemens Healthineers Global Training Center in Erlangen is a training facility equipped with modern and high quality technologies. In about 800 courses per year over 6,500 participants from all over the world receive trainings here. Away from their daily routine in the clinic, the participants, together with colleagues from other clinical sites, will be extensively trained on how to operate medical systems and the corresponding application software. Thirty large and state-of-the-art systems form part of the equipment portfolio.

Siemens Healthineers
Global Training Center
Allee am Röthelheimpark 3
91052 Erlangen

Imaging Science Institute

Many courses take place at the Imaging Science Institute (ISI) Erlangen, Germany. The ISI Erlangen is a cooperative project of the University Hospital Erlangen and Siemens Healthineers. The exceptionally close cooperation facilitates practical training in real clinical surroundings, as the ISI is located right at the University Hospital Erlangen. The course participants attend block courses in routinely operated radiological examination rooms with experienced doctors acting as trainers. Participants benefit from the comprehensive clinical and technical experience of the University Hospital Erlangen.

Imaging Science Institute
Universitätsklinikum Erlangen
Ulmenweg 18
91054 Erlangen

Regional venues

In addition to our courses in Erlangen, we offer an increasing number of theoretical courses at various regional locations. Many of these courses take place outside regular working hours and offer impressive, practical content under expert guidance. In many cases, they are led by our application specialists with whom you are already familiar. Clinical workshops on the premises of our partner hospitals provide you with the opportunity to experience examinations performed by experts, to listen to lectures, and often even to participate in practical exercises.

Siemens Healthineers Branches
Hotels
Partner hospitals



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Credit Points

Certification enhances quality

Certificate programs are designed to give students mastery over a specific subject area or topic. These programs are offered in many professional fields and academic areas, including health-care. Some courses in the training program offered by the Siemens Healthineers Global Training Center include different types of credit points extended in Germany or Austria. Please find further information of the different accreditations below.

CME Credits

Several of our training courses have been submitted to the Bavarian Medical Association for approval of credits in category C.

Credit Points

The German DVTA and the DIW-MTA offer training programs for MTA. Part of our training courses have been submitted for voluntary certification in category C.

DFP Credits

As some of our classroom trainings and clinical workshops are taking place in Austria, those courses have been submitted to the Austrian Medical Association for approval of credits.

CPD Points

Continuing Professional Development (CPD) improves skills and knowledge. Therefore several of our training courses taking place in Austria have been submitted by Bundesfachverband für Radiologietechnologie.





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Training News

Get the latest news

Please contact us for new course dates and news in the training and continuous learning world of Siemens Healthineers. If you are interested in a specific field we will forward your request to the specialist.

Updated information

You will receive the latest news about changes or additional information in the current course program.

Professional expertise

You choose your specific area of interest and we forward your request to the specialist.

Clear advantage in knowledge and information

You will be among the first to learn about news and updates in the training and education program of your area of interest.



Contact





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Registration

☐ I hereby register for the following course:

Title

First name/Last name

Institution/Hospital

Street

ZIP/City, country

Phone w/area code

Fax

Course

Course date

Course organizer/language

Course ID

Course fee

☐ I have read and accept the terms of use and registration conditions on the reverse.

Date

Signature

send



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General Terms and Information

Registration

It is possible to register online for nearly all the courses we offer. In most cases all you need is the course ID. You can also use the registration form or contact us at the phone number listed at the end.

General Terms and Conditions

Course fees include all refreshments, catering and training material. All courses held at the Siemens Healthineers Global Training Center in Erlangen begin at 8:30 AM on the first day. Please check your registration confirmation or training material for further information about courses held at other locations. Your course registration is complete after availability has been checked. A reservation confirmation and further course information will be sent by e-mail well ahead of the course date. You will receive an invoice one to two weeks before the course takes place.

Cancellation

There is no charge for cancellations made at least two weeks prior to the beginning of the course. However, payment of the total course fee is due if you fail to cancel at least two weeks before the course starts. In case of low participant numbers, a decision will be taken to cancel the course two weeks before the training begins. For this reason, we ask all participants to register for courses at least two weeks in advance. If necessary, we reserve the right to change instructors or adjust how a course is run.

Payments

Collection of any and all payments from the client to the Siemens Healthineers Global Training Center will be performed by the respective country organization.

Please note the General Terms and Conditions of Siemens Healthcare GmbH pertaining to the training provided by the Siemens Healthineers Global Training Center, which can be found on the Internet at [siemens.com/healthcare-training-center](https://www.siemens.com/healthcare-training-center)

Contact

Siemens Healthcare GmbH
Customer Services
Global Training Center,
Course Administration
Phone: +49 9131 84-5005
Fax: +49 9131 84-6492

Contact



Website

