Clinical Workshop

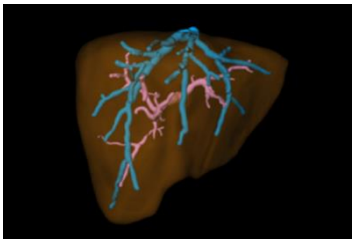
Dual Energy CT in daily practice

Sep 22-23, 2025

Course design and objectives

Dual Energy CT offers a wide variety of applications and solutions, in particular, enhancing diagnostic accuracy for pathology detection and delineation, as well as more comprehensive quantification of radiological findings. This technology also facilitates reductions in terms of radiation dose and iodine load and creates greater flexibility in challenging scenarios by improving image quality and contrast. Furthermore, Dual Energy CT allows for several material selective and functional imaging techniques, as opposed to traditional CT.

This two-day on-site class for radiologists and technologists will provide you with profound knowledge and practical skills in using the diagnostic possibilities of Dual Energy CT in your daily clinical routine. While lead innovators in CT technology will introduce you to the physics and background of image acquisition, reconstruction, and analysis, clinical presentations will be held by Christian Booz, MD and Felix Müller, MD, PhD, for Dual Energy CT applications in the entire body for various oncologic, vascular, and musculoskeletal indications. The talks will be followed by interactive, hands-on sessions using *syngo*.via workstations to enhance your practical and clinical skills in Dual Energy CT post-processing and interpretation.



Courtesy of University Hospital Frankfurt am Main, Germany

Course content

- Physics of Dual Energy CT
- Instructions on functionality and workflow
- Clinical presentations on Cardiothoracic, Abdomen, MSK and Trauma , Vascular, and Neuro, Head and Neck applications
- How-to-do it: acquisition, reconstruction, and interpretation of Dual Energy CT data
- Interactive hands-on evaluation of datasets using *syngo*.via for each clinical module
- Practical insights and clinical advice for your routine use of Dual Energy CT

Clinical speakers

Christian Booz, MD is a board-certified radiologist and consultant at the Department of Diagnostic and Interventional Radiology of the University Hospital Frankfurt, Germany. Since 2020 he is the head of CT research and responsible for current CT research projects as well as technological CT innovations at University Hospital Frankfurt. He has been using Dual Energy CT head-to-toe for many years in clinical routine with a main focus on emergency and musculoskeletal imaging.

Felix Müller, MD, PhD, is a fourth year radiology resident at Rigshospitalet, Copenhagen, Denmark, and postdoctoral researcher at Herlev and Gentofte Hospital, Denmark. He is a specialist in Dual Energy and photon-counting CT. He has supervised a number of PhD projects on the use of Dual Energy CT for bone marrow edema visualization and gout/crystal deposition disease characterization. In addition he is closely involved with the standardized implementation of Dual Energy and spectral CT across the capital region of Denmark.

The products/features (mentioned herein) are not commercially available in all countries. Their future availability cannot be guaranteed.

SIEMENS Healthineers

Date details
Sep 22-23, 2025

Participant prerequisites
Basic knowledge in CT image acquisition, Reconstruction, and interpretation.

Course hours
9:00 a.m. to 3:00 p.m.

Costs
The course fee is 1,500.00 € excl. VAT.

Meeting point on first day 9 a.m.
Lobby
Allee am Röthelheimpark 3b, Erlangen, Germany

Location
Allee am Röthelheimpark 3b
91052 Erlangen
Germany

Participants
This course is designed for radiologists and technologists who would like to enhance their clinical knowledge and practical skills in using Dual Energy CT.

Hotel
Please contact ct.clinical-workshop.team@siemens-healthineers.com for hotel recommendations.

Number of participants
5 to 10

Course director and content responsible

Christian Booz, MD
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