

HEIDELBERG
UNIVERSITY



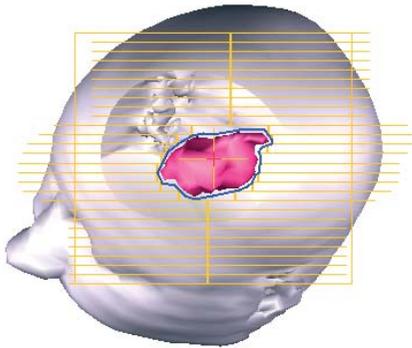
German Cancer
Research Center



Heidelberg University
Hospital



10th Teaching Course on IMRT / IGRT



May 20th – 22nd 2010

in cooperation
Siemens OCS Heidelberg
and
Institute of Cancer Research &
Royal Marsden Hospital, London

SIEMENS

ICR

Postgraduate
Scientific Studies

Information

Target Audience

Radiation oncologists and medical physicists, who are interested in starting a clinical IMRT / IGRT program.

Participation will be certified by Heidelberg University. Additional certification by following associations: EFOMP (as a CPD event for Medical Physicists), DGMP, DEGRO and LÄK (german medical association) is in process.

Date and Venue

May 20th – 22nd 2010
Department of Postgraduate Scientific Studies
Heidelberg University
Lecture Rooms, 2nd floor
Bergheimer Str. 58, building 43 11, 69115 Heidelberg

Registration

€ 610 (incl. 1 lunch per day, 1 dinner)

Bank data:

BW-Bank Stuttgart

Bank code 600 501 01

Account 7 421 500 436

IBAN DE 69 6005 0101 7421 5004 36

BIC SOLADEV33

Please reference your payment to:

→ **DEB 88, IMRT / IGRT, Auftrag 7808462**

Please register until April 21st 2010

→ via email to wisswb@uni-hd.de

providing your name, address, phone and department/institution.

After your registration and your payment, confirmation and receipt will be forwarded.

→ You may also use our registration form.

In case of cancellation later than April 21st 2010 please note, that 25% of registration fee will be charged. With cancellation after May 6th 2010 complete registration fee has to be charged.

Accommodation

Costs of accommodation are not included. Please make hotel reservations of your own choice. For your assistance we provide a list of local close by accommodation facilities, if desired.

Information

Chairmen

- Jürgen Debus (Heidelberg University Hospital)
- Uwe Oelfke (German Cancer Research Center, Heidelberg)
- Wolfgang Schlegel (German Cancer Research Center, Heidelberg)
- Steve Webb (Institute of Cancer Research & Royal Marsden Hospital, London)

Lecturers

- Arne Blechschmidt (Radiologische Allianz, Hamburg)
- Stefan Delorme (German Cancer Research Center, Heidelberg)
- Malte Ellerbrock (Heidelberg University Hospital)
- Matthias Guckenberger (Würzburg University Hospital)
- Peter Häring (German Cancer Research Center, Heidelberg)
- Klaus Herfarth (Heidelberg University Hospital)
- Alexandra Jensen (Heidelberg University Hospital)
- Olaf Nairz (Heidelberg University Hospital)
- Coen Rasch (The Netherlands Cancer Institute, Amsterdam)
- Bernhard Rhein (German Cancer Research Center, Heidelberg)
- Gerd Schenk (RADIO-LOG, Passau)
- Florian Würschmidt (Radiologische Allianz, Hamburg)
- Angelika Zabel-du Bois (Heidelberg University Hospital)

Contact and Information

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www.imrt.uni-hd.de

Agenda 10th Teaching Course on IMRT / IGRT

Thursday May 20th 2010

| | | | |
|----|-------|--|---|
| AM | 09:00 | Welcome and introduction | Wolfgang Schlegel |
| | 09:15 | Clinical motivation | Jürgen Debus |
| | 10:00 | Imaging for target volume determination in radiotherapy | Stefan Delorme |
| | 10:45 | Coffee Break | |
| | 11:15 | Introduction to IMRT and IGRT | Wolfgang Schlegel |
| PM | 12:15 | Lunch | |
| | 01:15 | IMRT: Beam delivery incl. arc therapy | Steve Webb |
| | 02:00 | Implementing IMRT & IGRT: concept and workflow | Gerd Schenk |
| | 02:45 | Round table discussion: Where are the limits of IMRT? Why do we aim for IGRT? Benefits of IGRT? | Moderation: Steve Webb Participants: Jürgen Debus, Uwe Oelfke, Wolfgang Schlegel, Gerd Schenk |
| | 03:15 | Coffee break | |
| | 03:45 | Inverse planning: Optimization and dose calculation | Uwe Oelfke |
| | 04:30 | Evaluation of clinical IMRT cases: head & neck | Alexandra Jensen |
| | 05:00 | Evaluation of clinical IMRT cases: gastro, lung | Klaus Herfarth |
| | 05:30 | Wrap up first day | Steve Webb |
| | 05:45 | End of 1 st day | |

Friday May 21st 2010

| | | | |
|----|-------|--|---|
| AM | 09:00 | IGRT: Clinical examples from Heidelberg University Hospital and DKFZ | Angelika Zabel-du Bois |
| | 09:45 | Impact of geometrical uncertainties on IMRT dose distributions | Uwe Oelfke |
| | 10:30 | Coffee Break | |
| | 11:00 | IGRT techniques at a glance | Steve Webb |
| | 11:45 | Target volume definition based on patient anatomy | Coen Rasch |
| PM | 12:45 | Lunch Break | |
| | 01:45 | Interactive demonstration IMRT planning – from contour definition to plan approval | Arne Blechschmidt Florian Würschmidt |
| | 04:00 | Transfer to Heidelberg Ion-Beam Therapy Center (HIT) | Shuttle |
| | 04:15 | Visiting tour HIT | Malte Ellerbrock Olaf Nairz |
| | 05:15 | End of visiting tour | |
| | 07:00 | Dinner | |

Saturday May 22nd 2010

| | | | |
|----|-------|--|------------------------------|
| AM | 09:00 | From stereotaxis to IGRT | Matthias Guckenberger |
| | 09:30 | Group 1: QA of IMRT treatments Practical session at linac | Bernhard Rhein, Peter Häring |
| | 09:30 | Group 2: Clinical session | Klaus Herfarth |
| | 10:30 | Group 1 & 2: Final discussion: Topics: → Margins, IGRT – extra dose → IMRT & IGRT: problems vs. benefits → Physical and medical requirements → Implementing of a quality system | All |
| | 11:30 | Course evaluation | |
| | 12:00 | End | |