Dear colleagues,

In the past years Tomotherapy technology has moved the borders of radiation therapy, opened new treatment options and initiated the development of a new era of rotational therapy. Tomotherapy has emerged from a unique technical approach to a widely spread clinical IG-IMRT solution all over the globe. We are organizing the 2011 International Conference on Tomotherapy (ICT 2011) in Heidelberg on September 16th and 17th, to provide a forum for those who are interested in this technology, to discuss and learn about the clinical capabilities, innovative concepts and ongoing clinical trials.

As the seat of Germany’s oldest University and world famous research centres for cancer and microbiology, Heidelberg offers an excellent scientific exchange platform with the perfect atmosphere for a successful conference.


We cordially invite you to join this international conference and we are looking forward to seeing you in Heidelberg.

Prof. Dr. Jürgen Debus  
Head of Department of Radiation Oncology, University of Heidelberg

Prof. Dr. Klaus Herfarth  
Department of Radiation Oncology, University of Heidelberg

Dr. Gabriele Sroka-Perez  
Department of Radiation Oncology, University of Heidelberg

CONFERENCE TOPICS:

Tomotherapy for tumors of
• Central nervous system  
• Head & Neck  
• Breast  
• Gastro Intestinal  
• Prostate  
• Lung  
• Hematooncology  
• Children

Approaches for
• Radiosurgery & Hypofractionation  
• Adaptive RT

Physics and Technology
• Dosimetry  
• Treatment Planning  
• QA  
• New Technical Developments

Keynote addresses
• Current State of IMRT - Dr Steven Webb (London, UK)  
• Photons vs. Particles - Prof Dr Dr Jürgen Debus (Heidelberg, Germany)
9:00  Opening and Welcome (J. Debus, Heidelberg)
The Future of Radiation Therapy Technology (E. S. Thomson, Sunnyvale/CA)

10:00  Prostate (chair: P. Kupelian, Los Angeles; K. Herfarth, Heidelberg)
Hypofractionated Tomotherapy Treatment (HTT) in prostate cancer lymph nodal relapse detected by 11C Choline PET/CT (G. Berardi, Milano)
Comparison of supine and prone treatment position for prostate cancer patients irradiated with Tomotherapy (T. Bajon, Poznan)
Helical Tomotherapy in high/very high risk and in nodal recurrences of prostate cancer: Preliminary results (E. Garibaldi, Turin)
Tomotherapy for primary and postoperative treatment of prostate cancer – preliminary toxicity and remission data (R. Schwarz, Hamburg)
Hypo-fractionated radiotherapy for prostate cancer (P. Kupelian, Los Angeles)

11:15  Coffee Break

11:45  Sarcoma and Hypofractionation (chair: M. de Ridder, Brussels; K. Schubert, Heidelberg)
Multi-target radiotherapy of primary disseminated multifocal Ewing’s sarcoma with Helical Tomotherapy (S. Krause, Heidelberg)
Helical Tomotherapy for radiotherapy of sarcomas - where, when, why? (M. Hadjamu, Munich)
Hypo-fractionated radiotherapy using helical Tomotherapy in the treatment of inoperable pleural mesothelioma (E. Parisi, Rome)
Accelerated hypo-fractionated radiotherapy in inoperable locally advanced lung cancer using Tomotherapy: Roma Experience (E. Parisi, Rome)

13:00  Lunch

14:00  Keynote address: Current State and Future of IMRT (S. Webb, London)

14:45  Physics (chair: S. Webb, London; G. Sroka-Perez Heidelberg)
Dose calculation on megavoltage CT in carbon ion beam therapy (S. Ecker, Heidelberg)
Image value to density calibration for kVCT and MVCT and possible effects on dose calculation (S. Klüter, Heidelberg)
The Influence of different configurations of leaves on accuracy of leaf opening times. (S. Lissner, Heidelberg)
Dose verification of helical Tomotherapy IMRT treatment using arc check device (R. Rodriguez Romero, Majadahonda, Madrid)
Preliminary evaluation of delivery reproducibility and anatomical cations effects using Hi-ART (HT) integrated detectors (E. Cagni, Reggio Emilia)
Commissioning of TomoDirect (K. Schubert, Heidelberg)
Biological in-vivo measurement of dose in patients’ lymphocytes by gamma-H2AX immuno-fluorescence staining: Step-and-shoot IMRT vs Tomotherapy (B. Swartman, Heidelberg)

16:00  Coffee Break
16:30  Miscellaneous (chair: M. Ozsahin, Lausanne; N. di Muzio, Milano)

The impact of MVCT imaging frequency reduction and manual registration suppression on PTV margins: a retrospective analysis on 259 patients treated on Helical Tomotherapy (P. Meyer, Strasbourg)

Adaptive Image-guided Tomotherapy concomitant to chemotherapy in rectal cancer: Early clinical experience (N. Slim, Milan)

Helical Tomotherapy in the treatment of anal canal cancer: 3-Year clinical experience (H. Bouchaab, Lausanne)

Comparison of Tomotherapy and standard radiation therapy for craniospinal irradiation (M. Devecka, Munich)

Feasibility study of using the HybridArc treatment technique for preoperative irradiation of rectal cancer: comparison of dose patterns in lesion and organ at risk with the Tomotherapy (T. Gevaert, Brussels)

Feasibility of image-guided total marrow irradiation using helical Tomotherapy (T. Reynders, Brussels)

Radiotherapy for women with stage II supra-diaphragmatic Hodgkin’s disease: a dosimetric comparison of IMRT by Helical Tomotherapy and a 3D-conformal radiotherapy (3D-CRT) (D. Antoni, Strasbourg)

Friday September 16th 2011 at 19h00

Social Event @ Heidelberg Castle

Heidelberg Castle is one of Germany’s most important cultural monuments. It has experienced a grand and eventful history. Over the centuries it has been destroyed and partially rebuilt several times. The remaining buildings and garden art reflect different architectural styles ranging from Gothic to Renaissance; thus making it one of the most important Renaissance structures north of the Alps.

This will be the perfect scenery for all delegates to get together and enjoy food, drinks and live music in a lively ambiance.
ICT 2011 - Program
Saturday September 17th

9:00  Head & Neck (chair: V. Grégoire, Brussels; R. Krempien, Berlin)
Carotid sparing in definitive irradiation of T1N0 squamous cell larynx cancer using Helical Tomotherapy (A. Cosinschi, Lausanne)
Localization and quantification of delivered dose to the spinal cord during daily IGRT (M-N. Duma, Munich)
Treatment plan comparison between RapidArc, SmartArc, Helical Tomotherapy and classical Step and Shoot and sliding window IMRT in an oropharyngeal cancer (D. Van Gestel, Antwerp)
Simultaneous integrated boost (SIB) and simultaneous modulated accelerated radiation therapy (SMART) for head & neck cancer patients using Helical Tomotherapy: Experience of Centre Oscar Lambret. (L. Schiappacasse, Lille)
Tomotherapy in head & neck cancer: Mind each gland (Y. Goy, Hamburg)
Helical Tomotherapy for adaptive radiotherapy of head-and-neck cancer (V. Grégoire, Brussels)

11:00  Coffee Break

11:30  Breast, Gynecology (chair: K. Langen, Orlando; A. Fourquet, Paris)
Physical aspects of breast irradiation with Tomotherapy (K. Langen, Orlando)
The potential role of preoperative helical Tomotherapy in locally advanced breast tumors (C. Chira, Paris)
Helical Tomotherapy versus TomoDirect in breast cancer patients: experience of Grupo IMO (G. Garcia, Madrid)
Tomotherapy vs VMAT vs tangential fields to reduce cardiovascular complications in breast cancer therapy (A. Sarnelli, Meldola)

13:00  Lunch

14:00  Keynote Address: Photons meet Particles (J. Debus, Heidelberg)

14:45  New Perspectives (chair: C. Maurer, Sunnyvale/CA; F. Sterzing, Heidelberg)
From HiArt to TomoHD: Is it worth the effort? (D. Van Gestel, Antwerp)
Evaluation of a dose delivery verification system for in-vivo dosimetry in helical Tomotherapy (C. Lesven, Paris)
Dosimetric challenges of dynamic jaws Tomotherapy: A Monte Carlo study (E. Sterpin, Brussels)
Investigation of helical delivery with dynamic jaws and dynamic couch (F. Sterzing, Heidelberg)

16:30  Closing Remarks

17:15  Visit of the Tomotherapy systems (Hi-Art and TomoHD) or Heavy Ion Facility (HIT)** (Registration is required)

** 5 groups will visit the HIT at different times starting at 5:15pm. Due to patient treatments the amount of people per group is limited!
How to get there

Heidelberg is located in central Germany and is easily accessible by rail, car or by aeroplane.

By Plane
Being only an hour’s drive away (80 km), Frankfurt Rhein-Main Airport (Flughafen) is within easy reach of Heidelberg. Airport Transfer is available: By means of the Airport Shuttle Service TLS, the Lufthansa Airport Bus Service or by train (Deutscher Bahn).

By Car
Drive along the Autobahn AS/A656 (Darmstadt-Karlsruhe/ Basel) and take the exit “Autobahnkreuz Heidelberg” or “Heidelberg-Schwetzingen”. Follow the signs to Heidelberg. As you approach the town, you will find signposts clearly directing the way to the “Kongresshaus Stadthalle” (Heidelberg Convention Centre). Once you have reached the “Kongresshaus Stadthalle”, there is ample underground car parking space for both exhibitors and visitors, located right next to the Convention Centre. Simply follow the signs marked P8/P6 which will guide you to the appropriate car parking areas.

By Train
Comfortable, fast, safe and environmentally friendly, Heidelberg is linked with high speed inter-city trains, which bring you right into the city centre. Bus or Taxi connections ensure that you will reach the Convention Center (Kongresshaus Stadthalle) within 20 minutes of your arrival. At Heidelberg’s main railway station, the “Hauptbahnhof”.

Local Bus Service
From Heidelberg’s main railway station, the “Hauptbahnhof”, Bus number 41, brings you directly to the Convention Center (Kongresshaus Stadthalle). Buses run from 05.30 a.m. to 24.00 hrs. at regular 10 minute intervals, with a journey time of approximately 20 minutes.

Further information regarding fares and timetables of local Heidelberg transport services, are available from the Ticket/Information Office (HSB), situated from the bus drivers themselves, or via Transport Enquiries Tel: (0)6221/5 13 20 00, or www.hvv-heidelberg.de.
CONGRESS VENUE:
Kongresshaus Stadthalle Heidelberg
Neckarstaden 24,
69117 Heidelberg
Germany
www.heidelberg-kongresshaus.de

REGISTRATION:
Registration and hotel reservation:
www.tomoconference2011.com

REGISTRATION FEE:
Conference 2 days: € 120
Conference 1 day: € 80
Students: € 80
Social Event: € 25 pp* (*drinks and food included)

Heavy Ion Facility Visit: Free of charge*
Tomotherapy Department visit: Free of charge*

* The number of participants is limited, so please register online if you would like to visit the HIT facility OR the Tomotherapy department: www.tomoconference2011.com.

CME accreditation requested.

CONFERENCE AGENCY:
For questions please contact
m:con Mannheim - Congress GmbH
Rosengartenplatz 2
68161 Mannheim
Germany
Phone:+49 621 41 06 138
E-mail: iris.merkel@mcon-mannheim.de