9th ZEISS INTRABEAM User Meeting Program
Thursday, July 9th and Friday, July 10th, 2015
Session 2 Breast – Safety, QoL, Regulatory (Auditorium)
Chairs: F. Wenz, S. Valente

16:00  F. Wenz  First safety analysis after 80 treated patients with early breast cancer within the TARGIT-E trial
16:15  T. Corica  Breast-related quality of life outcomes from the TARGIT-A study in Western Australia
16:30  C. Costellic  Quality of life and Toxicity outcomes for patients with early stage breast cancer treated with IORT: a prospective analysis
16:45  S. Key  Late toxicity and cosmetic outcome following IORT as a boost or as APBI: a monocenter experience
17:00  T. Corica  Cosmetic outcomes from the TARGIT-A study in Western Australia
17:15  T. Allweis  Lessons from initiating and implementing IORT for breast cancer at a public hospital in Israel
17:30  E. Whineray Kelly  Introducing INTRABEAM into New Zealand
17:45  J. Singer  The challenges and advantages of starting a service for delivery of Targeted Intraoperative Radiotherapy (TARGIT - IORT), for early stage breast cancer, in a UK District General Hospital, with no Radiation Centre
18:00  Discussion

Program Thursday, July 9th, 2015

National-specific user groups on local topics (Hallway / Auditorium)

10:30  Germany  German User Group
       Practical implementation of INTRABEAM treatment in the daily routine (Auditorium)
       Israel, UK, USA  Round table discussion (Hallway)

12:00  Lunch and Come-together

Welcome (Auditorium)

13:00  F. Wenz  Welcome and Overview on ongoing trials

Session 1 Breast – General (Auditorium)  Chairs: J. Vaidya, M. Sütterlin

13:30  J. Vaidya  Keynote – The TARGIT-A trial
14:00  H.-C. Kolberg  Intraoperative radiotherapy as a boost after neoadjuvant chemotherapy – DFS after a median follow up of 4 years
14:15  H. Bansil  Effects of pre-operative imaging modality on patient selection for IORT
14:30  M.H. Hadi  The impact of IORT on Breast Cancer Awareness in developing countries
14:45  M. Jankiewicz  Early complications following the breast conserving surgery with intraoperative radiotherapy using low energy photons for breast carcinoma
15:00  N. Jakarashvili  IORT given as a Boost for breast cancer
15:30  Discussion

Session 2 Breast – Safety, QoL, Regulatory (Auditorium)
Chairs: F. Wenz, S. Valente

16:00  F. Wenz  First safety analysis after 80 treated patients with early breast cancer within the TARGIT-E trial
16:15  T. Corica  Breast-related quality of life outcomes from the TARGIT-A study in Western Australia
16:30  C. Costellic  Quality of life and Toxicity outcomes for patients with early stage breast cancer treated with IORT: a prospective analysis
16:45  S. Key  Late toxicity and cosmetic outcome following IORT as a boost or as APBI: a monocenter experience
17:00  T. Corica  Cosmetic outcomes from the TARGIT-A study in Western Australia
17:15  T. Allweis  Lessons from initiating and implementing IORT for breast cancer at a public hospital in Israel
17:30  E. Whineray Kelly  Introducing INTRABEAM into New Zealand
17:45  J. Singer  The challenges and advantages of starting a service for delivery of Targeted Intraoperative Radiotherapy (TARGIT - IORT), for early stage breast cancer, in a UK District General Hospital, with no Radiation Centre
18:00  Discussion

Permanent Poster Exhibition (Hallway)

A. Sethi  Investigation of Field Shaping in low-kV Intra-Operative Radiotherapy (IORT)
T. Corica  Patient preferences for adjuvant Radiotherapy – outcomes from the TARGIT-A Study in Western Australia
J. Pla  The Challenge of Implementing a New INTRABEAM Program: Initial Experience At Our Hospital
N. Jakarashvili  Treatment of skin cancers with INTRABEAM
S. Lam  IORT Spherical Applicator Gauges
A. Morel  Feasibility study of in vivo dosimetry for intraoperative irradiation of breast cancer

19:00  Dinner (Schlossgarten Schwetzingen) / Bus Transfer
Program Friday, July 10th, 2015


8:00  F. Giordano  Intraoperative Radiotherapy in Glioblastoma – rationale and present & future trials
8:30  M. Wu  Experience of 47 cases using INTRABEAM for intracranial malignant tumors
8:45  N. Jakarashvili  IORT of primary brain tumors and metastases
9:00  T. Reis  Results of a phase I/II trial on Kypho-IORT
9:15  B. Emami  High dose-low energy intraoperative radiotherapy in treatment of malignant parotid tumors
9:30  Discussion

Session 4 – GI, GU, Skin (Auditorium) Chairs: P. Hohenberger, M. Ehmann

9:45  M. Ehmann  Endovaginal brachytherapy: introduction into the technique and clinical outcome
10:00  M. Wu  Our limited experience in abdominal INTRABEAM IORT: a report on 4 cases
10:15  N. Jakarashvili  First experience of intraoperative radiotherapy in pancreatic cancer and liver metastasis from colorectal cancer
10:30  T. Reis  Intraoperative radiotherapy in locally-advanced and recurrent rectal cancer: retrospective review of 68 cases
10:45  M. Münther  Preliminary outcome of intraoperative radiotherapy for high-risk patients with differentiated thyroid cancer T4 primary tumors or recurrent lesions: A single-institute experience
11:00  Discussion

Coffee break

Session 5 – Biology (Auditorium) Chairs: P. Emami, P. Lara

11:30  B. Emami  Key note - Beyond the Linear-Quadratic Model: IORT and Normal Tissue Tolerance
12:00  P. Lara  Immunological aspects of high single doses
12:30  C. Herskind  Radiobiological aspects of intraoperative tumor-bed irradiation with low-energy X-rays
13:00  Discussion

Session 6 – Physics (Auditorium) Chairs: S. Clausen, F. Schneider

14:00  A. Sethi  Monte Carlo Modeling of IORT Dose Distributions in a Commercial Treatment Planning System
14:15  P. Watson  An in-air and in-water investigation of the INTRABEAM system dosimetry using a Monte Carlo source model
14:30  P. Sandwall  Liquid scintillation dosimetry of an intraoperative X-ray source
14:45  M. Vidal  Optimized Monte-Carlo based dose computation for low energy X-rays IORT implemented in Radiance TPS
15:00  D. Dommett  Practical aspects to calibration, commissioning and using a breast IORT system
15:15  Z. Kalkan  Transfer functions of surface and flat applicators
15:30  Discussion

Session 7 – Physics II (Auditorium) Chairs: C. Herskind, A. Sethi

16:00  T. Burrows  Micro-Commissioning of an INTRABEAM Intraoperative Radiotherapy (IORT) X-ray Source (XRS) using EBT3 Gafchromic film in conjunction with multichannel film dosimetry and Matlab analysis
16:15  C. Guthier  QA for breast cancer IORT using 3D surface scanning
16:30  I. Sancho  Proposal for a quality assurance programme and measurement of skin dose in breast treatments with radiochromic film
16:45  L. Parent  Dosimetric characterization of INTRABEAM flat and surface applicators for dermatologic applications
17:00  F. Schneider  Intraoperative CT (Zeego) for adaptive radiation therapy planning with radiance
17:15  Discussion

Meet the Expert at Luncheon – (Hallway/Patio)

13:00  U. Obertacke  - Kypho-IORT
       B. Emami  - IORT for Head and Neck
       M. Ehmann  - Endovaginal Brachytherapy
       F. Giordano  - IORT for Glioblastoma
       L. Parent  - Skin cancer treatment

Session 8 – Physics II (Auditorium) Chairs: B. Abdulkarim, M. Wu

14:00  A. Sethi  Monte Carlo Modeling of IORT Dose Distributions in a Commercial Treatment Planning System
14:15  P. Watson  An in-air and in-water investigation of the INTRABEAM system dosimetry using a Monte Carlo source model
14:30  P. Sandwall  Liquid scintillation dosimetry of an intraoperative X-ray source
14:45  M. Vidal  Optimized Monte-Carlo based dose computation for low energy X-rays IORT implemented in Radiance TPS
15:00  D. Dommett  Practical aspects to calibration, commissioning and using a breast IORT system
15:15  Z. Kalkan  Transfer functions of surface and flat applicators
15:30  Discussion

TARGIT-A International Steering Committee Meeting (Maritim Hotel)

14:00 - 17:00  J. Vaidya  Welcome and Topics
### Scientific Committee

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>F. Wenz</td>
<td>University College London, UK</td>
</tr>
<tr>
<td>M. Sütterlin</td>
<td>University Medical Center Mannheim, Germany</td>
</tr>
<tr>
<td>F. Giordano</td>
<td>University Medical Center Mannheim, Germany</td>
</tr>
</tbody>
</table>

### Chairs

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>J. Vaidya</td>
<td>University College London, UK</td>
</tr>
<tr>
<td>M. Sütterlin</td>
<td>University Medical Center Mannheim, Germany</td>
</tr>
<tr>
<td>F. Wenz</td>
<td>University Medical Center Mannheim, Germany</td>
</tr>
<tr>
<td>S. Valente</td>
<td>Cleveland Clinic, USA</td>
</tr>
<tr>
<td>U. Obertacke</td>
<td>University Medical Center Mannheim, Germany</td>
</tr>
<tr>
<td>B. Abdulkarim</td>
<td>McGill University, Faculty of Medicine, Montreal, Canada</td>
</tr>
<tr>
<td>P. Hohenberger</td>
<td>University Medical Center Mannheim, Germany</td>
</tr>
<tr>
<td>M. Ehmann</td>
<td>University Medical Center Mannheim, Germany</td>
</tr>
<tr>
<td>B. Emami</td>
<td>Loyola University, Chicago, USA</td>
</tr>
<tr>
<td>P. Lara</td>
<td>University of Gran Canaria, Las Palmas de Gran Canaria, Spain</td>
</tr>
<tr>
<td>S. Clausen</td>
<td>University Medical Center Mannheim, Germany</td>
</tr>
<tr>
<td>F. Schneider</td>
<td>University Medical Center Mannheim, Germany</td>
</tr>
</tbody>
</table>

### ZEISS contact for organization requests

<table>
<thead>
<tr>
<th>Name</th>
<th>Phone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daniela Veit</td>
<td>+49 (0) 175 662 23 27</td>
</tr>
<tr>
<td>Katharina Bader-Schütz</td>
<td>+49 (0) 160 714 10 41</td>
</tr>
</tbody>
</table>

### Venue User Meeting

Dorint Kongresshotel
Friedrichsring 6
68161 Mannheim, Germany

### Accommodation

Dorint Kongresshotel
Friedrichsring 6
68161 Mannheim, Germany

Maritim Parkhotel
Friedrichsplatz 2
68165 Mannheim

### Location Dinner

Schloss Schwetzingen
Im Schlossgarten
68723 Schwetzingen