



International Low Energy
X-ray IORT User Meeting

International Low Energy X-ray IORT User Meeting July 5/6th 2018, Congress Center Rosengarten, Mannheim

Joint Meeting with the ISORT – July 6/7th 2018

WELCOME

Mannheim welcomes you to the
International LowEnergyX-ray IORT User Meeting 2018

We are honored to invite you to the International LowEnergyX-ray IORT User Meeting 2018, which will be held at the historical Congress Center "Rosengarten" located in the beautiful city of Mannheim from 05 – 06 July 2018 to address topics of the intraoperative radiotherapy.

Clinical centers worldwide rely on intraoperative radiotherapy. Due to the clinical evidence from well-designed prospective studies and multidisciplinary applications fields, the IORT technology has gained more and more popularity in the fight against cancer over the years. With the use of IORT for glioblastoma, the technology moved into the spotlight of the medical industry.

The meeting will provide a wealth of information concerning the IORT technology, clinical trials, study results and future developments as well as opportunities for learning new ways to establish IntraOperative RadioTherapy in your daily business. Together with this two day meeting we will offer you key note lectures, presentations, hands-on workshops and other education to enhance your IORT skills. In addition we also would like to establish an excellent platform for sharing ideas and experience with other users, experienced IORT experts and future users. We expect a large number of IORT users and very well-known experts from all over the world. We are also very proud to announce that the International LowEnergyX-ray IORT User Meeting cooperates with the ISORT meeting, which takes place directly afterwards. We are sure that this cooperation let grow the IORT community and gain in strength.

Take the chance to meet other IORT users and learn more about different applications and new possibilities.

We hope to see you at the ILEXIUM Meeting in July and await your early registration.

Prof. Dr. med. Frederik Wenz
Chairman Department of Radiation Oncology
University Medical Center Mannheim

Prof. Dr. med. Marc Sütterlin
Chairman Department of Women's hospital
University Medical Center Mannheim





International Low Energy
X-ray IORT User Meeting

International Low Energy X-ray IORT User Meeting July 5/6th 2018, Congress Center Rosengarten, Mannheim

Joint Meeting with the ISORT – July 6/7th 2018

PROGRAM Thursday, 05 July 2018

Welcome

Gustav Mahler 1

13:00 F. Wenz Welcome and Introduction to ILEXIUM

Session 1 // Breast I

Chairs: J. Vaidya, H.-C. Kolberg

Gustav Mahler 1

13:30 M. Douek National Institute for Health and Care Excellence (NICE) tribulations
13:47 H.-C. Kolberg Targeted intraoperative radiotherapy (TARGIT IORT) during breast conserving surgery for early breast cancer in patient after breast augmentation with implants
14:04 A. Salati Comparison of Radical Dose IORT and EBRT - review of Local Recurrence and Complications According to Demographic, Pathologic and Biologic Factors in Early Breast Cancer
14:21 D. Holmes Interim Update of the Targeted Intraoperative Radiotherapy United States (TARGIT-U.S.) Phase IV Registry Trial
14:38 B. Tuschy Clinical and translational aspects of intraoperative radiotherapy in breast cancer
14:55 C. Pellizzon Breast conserving therapy and Intra-operative Radiotherapy – impact of the appropriate patient selection - a single-institutional long term analysis
15:12 E. Sperk Latest update on current guidelines in breast cancer - Mannheim study results

15:30 Coffee-Break & Poster Presentation

Session 2 // Neuro

Chairs: F. Giordano, W. Pope

Gustav Mahler 1

16:00 W. Pope Advanced Imaging for Improving Assessment of Tumor Burden Versus Treatment Effect in Glioblastoma
16:25 F. Giordano Intraoperative Radiotherapy for Glioblastoma
16:50 C. Cifarelli Neurosurgical nuances of IORT for intracranial lesions
17:15 H. Kahl Local control and toxicity of IORT with low energy X-rays as adjuvant treatment after resection of brain metastasis - a retrospective analysis of patients treated at the Klinikum Augsburg

17:30 Poster Viewing

19:00 Dinner at TECHNOSEUM



PROGRAM

Friday, 06 July 2018

Session 3 // Breast II Chairs: D. Holmes, M. Sütterlin

Gustav Mahler 1

08:00	I. Linares	Intraoperative Radiotherapy in breast cancer: effects on the immune system
08:25	C. Cabrera	Local recurrence patterns for locally advanced breast cancer treated with intraoperative radiotherapy boost after neoadjuvant chemotherapy
08:38	W. Malter	Breast conserving surgery in combination with intraoperative radiotherapy after previous external beam therapy: an option to avoid mastectomy
08:51	Y. Ramdas	Intra-Operative Radiation therapy in Early Stage Breast Cancer: A first for Africa
09:04	Y. Ramdas	Intraoperative Radiation Therapy in Early stage Breast Cancer: A First for Africa, Oncoplastic Experience
09:17	B. Rosen	IORT and Oncoplastic Breast Surgery: A Perfect Match

Session 4 // Physics & Biology Chairs: S. Clausen, F. Schneider

Gustav Mahler 2

08:00	S. Trichter	Post-operative Monte Carlo heterogeneous treatment planning for Intra-beam breast IORT using a pre-operative CT scan
08:11	S. Clausen	The Behavior of Low kV X-Rays in Realistic Bone versus CT Scanned Bone
08:22	F. Schneider	Precision IORT – Dosimetric and geometric evaluation of 10 Kypho-IORTs
08:33	M. Veldwijk	The induction of radiation-induced subcutaneous fibrosis after intraoperative radiotherapy in breast cancer patients associates with epigenetic dysregulation
08:44	H. Zali	Influence of wound fluid from breast cancer patients treated and untreated with intra-operative radiotherapy (IORT) on tumor spheroid
08:55	C. Herskind	Dosimetry for irradiation with Intra-beam in a solid-water tumour-bed phantom: Comparison of ionisation chamber calibrations, backscatter, and film dosimetry
09:06	A. Cano-Herranz	Dose distribution of miniaturized linac used in intraoperative radiotherapy. Comparison with vendor
09:17	D. Macias & C. Illana	Initial experience with navigated Intra-beam breast cases

09:30 Coffee-Break & Poster Presentation

Session 5 // Other applications Chairs: U. Obertacke, S. Potemin

Gustav Mahler 1

10:00	S. Potemin	Intraoperative Radiotherapy in Locally Advanced Rectal Cancer: Retrospective Review of 185 Cases
10:30	M. Akbari	Working with "Intra-beam" our experience in different malignancies during last five years
11:00	A. Karpov	Combination of perioperative chemotherapy and intraoperative radiotherapy for the treatment of resectable intrahepatic cholangiocarcinoma
11:15	F. Bludau	Is there a need for biopsy in any new bone metastasis before treatment? - Implications from the Mannheim-Kypho-IORT studies
	F. Bludau	Update on the recruiting Phase-III-Kypho-IORT-Trial
11:30	G. Sarria	Phase I/II Trial of surface kilovoltage brachytherapy in ocular conjunctival carcinoma: Preliminary results
11:45	A. Karpov	IORT in unresectable pancreatic cancer combine treatment

12:00 Lunch Symposia

Gustav Mahler 1

Parallel Sessions



KEYNOTE LECTURE

together with the ISIORT conference

Keynote Lecture
Chairs: F. Wenz, F. Sedlmayer

Gustav Mahler 1

13:30	F. Wenz	Introduction and Welcome to 10th ISIORT conference
13:40	G. Fastner	HIOB-trial: Preliminary results
14:05	J. Vaidya	Risk-adapted TARGIT-IORT for breast cancer – interesting observations from the TARGIT trials
14:30	F. Giordano	Intraoperative radiotherapy for primary brain tumors and brain metastases
14:55	M. Leonardi	An overview on the ESTRO IORT Task Force recommendations for performing intraoperative radiotherapy using electrons or low-energy x-rays for breast cancer
15:20	F. Wenz	Conclusion of ILEXIUM

15:30 **End**

SCIENTIFIC COMMITTEE

Prof. Frederik Wenz
Chairman Department of Radiation Oncology
University Medical Center Mannheim
University of Heidelberg

Dr. Sven Clausen
Dr. Frank Schneider
Dr. Elena Sperk

SPONSORS

Carl Zeiss Meditec AG
73447 Oberkochen, DE – www.zeiss.com

GMV Soluciones Globales Internet S.A.U.
28760 Tres Cantos, ES – www.gmv.com