

Educational workshop:

How to do state-of-the-art brachytherapy, basic principles



*Erlangen, Germany
1-2 March 2012*

Universitätsklinikum
Erlangen



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Invitation

Dear Colleagues,

It is an honor and pleasure to invite you to the first 2-day Erlangen Multidisciplinary clinical workshop on the basic principles of the art of brachytherapy. This workshop will take place at the recently inaugurated Division of Interventional Radiation Oncology as a part of the Department of Radiation Oncology at the University Hospital in Erlangen, Germany. The hospital has been recognized as the 1st Education and Training Centre for interventional radiation therapy of DEGRO and as a Nucletron Centre of Excellence.

During this workshop, you will be introduced to the latest innovations in brachytherapy treatment, with a special focus on brachytherapy techniques in the treatment of breast cancer – both as boost and APBI, and esophageal cancer – both as boost and monotherapy. Set in an open and interactive setting, workshop participants can benefit from a leading edge programme addressing theory and practical solutions and featuring live case demonstrations, bringing learnings to life. Key topics that will be addressed are:

- A visit of the new, state-of-the-art brachytherapy department of the University Hospital and a review of pre-requisites for setting up a brachytherapy service
- Learn brachytherapy techniques and pre-implant considerations in the treatment of esophageal cancer and breast cancer
- Review treatment planning methodologies based on image-guidance
- Review the management of breast cancer and esophageal cancer with brachytherapy
- Live treatment case “How to do interstitial brachytherapy in breast cancer“
- Video case “How to do intracavitary brachytherapy in esophageal cancer“

The faculty consists of highly recognized experts with extensive experience in image-guided brachytherapy. This educational workshop is intended for physicians, medical physicists, dosimetrists, radiotherapy technicians and nurses who apply brachytherapy in their everyday practice, and who are keen to establish or update a department, or wish to enhance their knowledge and expertise in applying the latest 3D brachytherapy techniques.

We warmly invite you to join this unique workshop and to gain invaluable take-home knowledge to bring the advantages of modern image-guided brachytherapy to your center and your patients.

Please note that space is limited to 25 participants, so be sure to register early. We are looking forward to meeting you in Erlangen!

Yours sincerely,

Vratislav Strnad, MD, Prof.
Head of Division Interventional Radiation Oncology
Dept. of Radiation Oncology
University Hospital Erlangen

Intended Participants

Physicians, medical physicists, dosimetrists, radiotherapy technicians and nurses who apply brachytherapy in their everyday practice, and who are keen to establish or update a department, or wish to enhance their knowledge and expertise in applying the latest 3D brachytherapy techniques.

Workshop Topics

- A visit of the new, state-of-the-art brachytherapy department of the University Hospital and a review of pre-requisites for setting up a brachytherapy service
- Learn brachytherapy techniques and pre-implant considerations in the treatment of esophageal cancer and breast cancer
- Review treatment planning methodologies based on image-guidance
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- Video case “How to do intracavitary brachytherapy in esophageal cancer“

Number of participants

The maximum number of participants is 25.

Length

2 days.

Language

The programme will be conducted in English.

Faculty Members

V. Strnad, MD, Prof.
S. Lettmaier, MD
G. Lahmer, MD
O.J. Ott, MD, PhD
M. Lotter, PhD, physicist

Address of Training Location

University Hospital Erlangen
Dept. of Radiation Oncology
Universitätsstr. 27
91054 Erlangen
Germany

For programme details and registration

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See also our website www.nucletron.com

Programme

Agenda - Thursday 1 March 2012

09:30 – 10:45	Welcome and Registration	
10:45 – 12:00	Introduction <ul style="list-style-type: none"> • Welcome • Overview: Brachytherapy at University Hospital Erlangen 	V. Strnad / R. Fietkau / I. van Alderwegen (Nucletron)
	<ul style="list-style-type: none"> • Participants presentations 	
12:00 – 13:00	lunch	
13:00 – 13:45	Prerequisites <ul style="list-style-type: none"> • Infrastructure, Nurse Care • Supportive care (anesthetics, antibiotics ...) 	S.Lettmaier / G.Lahmer
13:45 – 15:15	Pre-Implant considerations Esophagus <ul style="list-style-type: none"> • Monotherapy and HDR-Boost • Rationale, patient selection (palliative vs. curative) • Current results • Brachytherapy techniques, target definition • Imaging (2D or 3D) and implication for daily routine 	S.Lettmaier
15:15 – 15:30	coffee break	
15:30 – 17:00	Pre-Implant considerations Breast <ul style="list-style-type: none"> • Boost and Accelerated Partial Breast Irradiation (APBI). • Rationale, patient selection, current results • Brachytherapy techniques, target definition 	O.J.Ott / V. Strnad
17:00 – 17:15	coffee break	
17:15 – 17:30	General discussion	
17:30 – 18:00	Visit of Division of Interventional Radiation Therapy of University Hospital Erlangen	
19:30 – 22:30	Evening dinner with group	

Agenda - Friday 2 March 2012

08:45 – 10:00	Principles of treatment planning <ul style="list-style-type: none"> • Planning procedure • Dose Optimization • Basic radiobiological considerations 	M.Lotter
10:00 – 10:15	coffee break	
10:15 – 12:00	Live Case: How to do interstitial brachytherapy in breast cancer <ul style="list-style-type: none"> • Implant procedure • Treatment planning, target definition • Dose specification and optimization 	G. Lahmer / V. Strnad / M. Lotter
12:00 – 13:15	lunch	
13:15 – 15:00	Video Case: How to do intracavitary brachytherapy in esophageal cancer <ul style="list-style-type: none"> • Implant procedure • Treatment planning, target definition • Dose specification and optimization 	S. Lettmaier/ V. Strnad / M. Lotter
15:00 – 15:30	coffee break	
15:30 – 16:30	Discussion and practical questions Evaluation form completion Conclusion	all all V. Strnad



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