

Nucletron Central Europe Users Meeting

A TOOLKIT FOR GOOD MEDICAL PRACTICE IN BRACHYTHERAPY

15-17 October 2009, Danubius Helia Spa – Budapest, Hungary



With delight we present you the preliminary agenda for the Nucletron Central Europe Users Meeting, which will be held on 15-17 October 2009 in Budapest, Hungary. We have aimed for an inspiring programme that looks at brachytherapy from both a scientific and a practical perspective.

A Toolkit for Good Medical Practice in Brachytherapy is therefore the theme for this meeting. A host of nationally and internationally renowned experts will address all significant aspects in a series of interactive talks, discussions and video demonstrations. In addition to sharing experiences and giving feedback on new Nucletron technology, we want to focus on how to successfully implement clinical protocols and procedures that drive good-quality results within the technological and socio-economic context of Central Europe.

Brachytherapy has always been the mainstay for treating gynaecological cancers and in fact the standard of care in Central Europe. Going forward, brachytherapy will play an even more crucial role, not only because of the rising incidence of indications like prostate and breast cancer but primarily because of its proven efficacy and efficiency in treating these diseases. At the same time, clinical and technological developments are driving the transition from 2-D (implant-based) to 3-D (volume-based) treatment planning and reinforcing the use of image-guidance for (interstitial) applications.

These important developments offer vital inspiration for exploring and discussing sensible solutions that are relevant for your practice. That is why this year's Central Europe Users Meeting will focus on the opportunity to expand from GYN to other body sites and the benefit from key advancements in image-guided and adaptive brachytherapy by using knowledge and technology that is currently available to you. This meeting intends to offer you a toolkit for expanding the extraordinary potential of brachytherapy by breaking the barriers through clinical proof, cost-effectiveness and education.

Scientific Committee

Chairmen

- Csaba Polgár MD PhD (Budapest)
- Tibor Major PhD (Budapest)

Members

- Péter Ágoston MD PhD (Budapest)
- Jenő Bolgár MD (Kecskemét, HU)
- Janaki Hadijev MD PhD (Kaposvár, HU)
- János Fodor MD PhD DSc (Budapest)
- Erika Groska MSc (Gyula, HU)
- László Mangel MD PhD (Pécs, HU)
- József Lövey MD PhD (Budapest)
- Jenő Pálvölgyi PhD (Győr, HU)
- Béla Pikó MD (Gyula, HU)
- Kofi Agyemang Prempeh MD (Győr, HU)
- Kornélia Szluha MD PhD (Debrecen, HU)
- László Takácsi-Nagy MD PhD (Budapest)
- Zoltán Takácsi-Nagy MD PhD (Budapest)
- Prof László Thurzó MD PhD (Szeged, HU)

International Invited Speakers

- Prof Dimos Baltas PhD DSc (Offenbach, DE)
- Catharina Beskow MD PhD (Stockholm, SE)
- Brygida Białas MD PhD (Gliwice, PL)
- Michel Ghilezan MD (Royal Oak, MI USA)
- Bengt Johansson MD (Örebro, SE)
- Prof Christian Kirisits PhD DSc (Vienna, AT)
- Gabor Kacso MD (Cluj-Napoca, RO)

- Anna Kulik MD PhD (Warsaw, PL)
- Jarosław Łyczek MD PhD (Warsaw, PL)
- Prof Bogusław Maciejewski MD PhD DSc (Gliwice, PL)
- Prof Julian Malicki PhD DSc (Poznań, PL)
- Maryla Kawczyńska PhD (Warsaw, PL)
- Primož Petrič MD (Ljubljana, SLO)
- Prof Pavel Slampa MD PhD (Brno, CZ)
- Prof Andrzej Roszak MD PhD DSc (Poznań, PL)
- Prof Janusz Skowronek MD PhD DSc (Poznań, PL)
- Prof Renata Soumarová MD PhD (Novy Jicín, CZ)
- Grzegorz Zwierzchowski MD PhD (Poznań, PL)

Nucletron Speakers

- Marjorie Imhoff PhD
- Eric Sewsingh BSc
- Lisette van der Vight BSc
- Mehmet Üzümcü PhD

Organisers

National Institute of Oncology – Budapest

- Csaba Polgár MD PhD
- Tibor Major PhD
- Péter Ágoston MD

Nucletron – Netherlands

- Antar El-Mecky MA
- Jeske van der Sluijs
- Hans Galesloot MBA

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Thursday, 15 October 2009		
12:00 – 14:30	Registration	
13:30 – 14:30	Lunch	
OPENING CEREMONY		
14:30 – 14:45	Welcome Speeches	<ul style="list-style-type: none"> • Jos Lamers CEO Nucletron • Csaba Polgár Head of Radiotherapy NIO, Budapest
14:45 – 15:00	Speeches by Honorary Patrons	<ul style="list-style-type: none"> • Prof Dr Miklós Kásler Director NIO, Budapest • László Mangel, President of the Hungarian Society for Radiation Oncology
ORAL SESSION I BREAST BRACHYTHERAPY – MULTICATHETER APBI		
Chairpersons Anna Kulik and János Fodor		
15:00 – 15:20	Current Status and Future Perspectives of Multicatheter Breast Brachytherapy	<ul style="list-style-type: none"> • Csaba Polgár
15:20 – 15:35	LDR and HDR Multicatheter APBI – 12-Year Result of William Beaumont Hospitals, Royal Oak, MI, USA	<ul style="list-style-type: none"> • Michel Ghilezan
15:35 – 15:50	HDR Multicatheter Brachytherapy for APBI – Technique and Long-Term Results of Örebro University Hospital	<ul style="list-style-type: none"> • Bengt Johansson
15:50 – 16:00	Discussion	<ul style="list-style-type: none"> • Anna Kulik • János Fodor
16:00 – 16:30	Coffee Break	
VIDEO PRESENTATION I		
16:30 – 16:50	Breast Implantation Using Nucletron Comfort™ Catheters and Oncentra Brachy™ Treatment Planning System	<ul style="list-style-type: none"> • Tibor Major
16:50 – 17:10	New Technology for Breast Brachytherapy	<ul style="list-style-type: none"> • Marjorie Imhoff • Eric Sewsingh
17:10 – 17:30	Discussion	<ul style="list-style-type: none"> • Anna Kulik • János Fodor
ROUND-TABLE DISCUSSION I BREAST BRACHYTHERAPY		
Chairman Jarosław Łyczek		
17:30 – 18:15	Should We Keep our Good Old Breast Implant Techniques and 2-D Planning or Should We Go for CT-Based Conformal Brachytherapy Planning?	<ul style="list-style-type: none"> • Michel Ghilezan • Bengt Johansson • Christian Kirisits • Tibor Major • Csaba Polgár • Pavel Slampa
ORAL SESSION II PROFERRED PAPERS ON BREAST BRACHYTHERAPY		
Chairmen Bengt Johansson and Pavel Slampa		
18:15 – 18:40	<ul style="list-style-type: none"> • 3-D CT-Based HDR Interstitial BT for Localised Breast Cancer – Plan Evaluation: M.S. Patel Cancer Centre Experience 	<ul style="list-style-type: none"> • Ganesan Senthil
	<ul style="list-style-type: none"> • IPSA vs. Geometry-Based Optimisation in Dose Distribution Calculation in Accelerated Partial Breast Irradiation 	<ul style="list-style-type: none"> • Marta Szlag
19:00 – 23:00	Dinner and Evening Programme	

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Friday, 16 October 2009

ORAL SESSION III

IS THERE ARE A ROLE FOR PREOPERATIVE BRACHYTHERAPY IN TREATING GYN TUMOURS?

Chairpersons

Catharina Beskow and László Thurzó

08:30 – 08:45	Pathologic Complete Remission after Preoperative Intracavitary Radiotherapy of Cervical Cancer: The Radiumhemmet Experience	<ul style="list-style-type: none"> Catharina Beskow
08:45 – 09:00	Tolerance and Efficacy of Preoperative Intracavitary HDR Brachytherapy in IB and IIA Cervical Cancer	<ul style="list-style-type: none"> Brygida Białas
09:00 – 09:15	Preoperative HDR Brachytherapy in the Treatment of Operable Cervical Carcinoma – Status of the Hungarian Multicentric Randomised Clinical Trial	<ul style="list-style-type: none"> Júlia Vízkeleti
09:15 – 09:45	New Technology for Image-guided Adaptive Brachytherapy for Gynaecological Tumours	<ul style="list-style-type: none"> Lisette van der Vight
09:45 – 10:00	Discussion	<ul style="list-style-type: none"> Catharina Beskow László Thurzó

10:00 – 10:30

Coffee Break

ROUND-TABLE DISCUSSION II

GYNAECOLOGICAL BRACHYTHERAPY

Chairman

Primož Petrič

10:30 – 11:15	Performing Successful Intracavitary Gynaecological Brachytherapy without Access to an MRI Facility	<ul style="list-style-type: none"> Brygida Białas Christian Kirisits Jarosław Łyczek Tibor Major Andrej Roszak László Thurzó
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ORAL SESSION IV

PROFFERED PAPERS – GYNAECOLOGICAL BRACHYTHERAPY

Chairmen

László Mangel and Andrzej Roszak

11:15 – 12:00	<ul style="list-style-type: none"> Analysis of Standard Loading Patterns for Cervix BT Using MRI-Based Dosimetry 	<ul style="list-style-type: none"> Anna Lettmayer
	<ul style="list-style-type: none"> Use of Adjustable Applicator System for MRI-Guided BT in Cervical Cancer 	<ul style="list-style-type: none"> Árpád Kovács
	<ul style="list-style-type: none"> Evaluation of HDR BT Fraction Dose on Local Control and Complication in Patients with Cervical Cancer IB and IIA 	<ul style="list-style-type: none"> Małgorzata Kraszkievicz
	<ul style="list-style-type: none"> Impact of Treatment Time Prolongation on Pelvic Control for Uterine Cervix Cancer – Radiobiological Modelling TCP vs. Clinical Outcomes from EBM 	<ul style="list-style-type: none"> Pavol Matula

12:00 – 13:00

Lunch

ORAL SESSION V

NEW DEVELOPEMENTS IN BT PHYSICS – INVERSE PLANNING

Chairmen

Dimos Baltas and Tibor Major

13:00 – 13:20	The Role of Inverse Planning in Prostate Brachytherapy	<ul style="list-style-type: none"> Dimos Baltas
13:20 – 13:35	Optimisation of Image-Based Treatment Plans for Breast HDR Implants	<ul style="list-style-type: none"> Tibor Major
13:35 – 13:50	Inverse Planning in Gynaecological Brachytherapy	<ul style="list-style-type: none"> Christian Kirisits
13:50 – 14:05	Recent and Future Developments for Brachytherapy Treatment Planning	<ul style="list-style-type: none"> Eric Sewsingh Mehmet Üzümcü
14:05 – 14:15	Discussion	<ul style="list-style-type: none"> Dimos Baltas Tibor Major

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ORAL SESSION VII		PROFFERED PAPERS – BRACHYTHERAPY PHYSICS
Chairmen		Maryla Kawczyńska and Christian Kirisits
14:15 – 14:45	<ul style="list-style-type: none"> Irregular vs. Regular Seed Loading Pattern in Permanent Prostate Brachytherapy Planning 	<ul style="list-style-type: none"> Georgina Fröhlich
	<ul style="list-style-type: none"> MRI Modelling of Rectal Dosimeter Probe during MRI-Guided HDR BT for prostate: feasibility and Initial experiences 	<ul style="list-style-type: none"> Gergely Antal
	<ul style="list-style-type: none"> Development of Surface Applicator (Preliminary Results) 	<ul style="list-style-type: none"> Jenő Pálvölgyi
14:45 – 15:15	Coffee Break	
ROUND-TABLE DISCUSSION III		RAISING THE PROFILE OF BRACHYTHERAPY
Chairman		Bogusław Maciejewski
15:15 – 15:30	Clinical and Economic Sunrise for Brachytherapy	<ul style="list-style-type: none"> Bogusław Maciejewski
15:30 – 17:15	<p>DISCUSSION</p> <p>Clinical and Economic Cost-Benefit Ratio of Brachytherapy vs. Other Modalities (e.g. IMRT, Protons)</p> <p>Driving the Cause of Brachytherapy through better</p> <ul style="list-style-type: none"> Evidence Standardisation and reproducibility (e.g. protocols) Economics (e.g. reimbursement, business plans) Technology Education Lobbying (e.g. health care authorities, health care funds, professional medical associations beyond RT, patients) 	<ul style="list-style-type: none"> Péter Ágoston Dimos Baltas Catharina Beskow Brygida Białas Bengt Johansson Michel Ghilezan Gabor Kacso Christian Kirisits József Lövey Jarosław Łyczek Bogusław Maciejewski Julian Malicki Primož Petrič Janusz Skowronek Pavel Slampa
ORAL SESSION VIII		PROFFERED PAPERS – MISCELLANEOUS BRACHYTHERAPY (OTHER THAN BREAST, GYN AND PROSTATE)
Chairmen		Janaki Hadijev and Zoltán Takácsi-Nagy
17:15 – 18:15	<ul style="list-style-type: none"> Brachytherapy Infrastructure in Poland (2002-2008) 	<ul style="list-style-type: none"> Wojciech Bulski
	<ul style="list-style-type: none"> HDR BT Endobronchial in Managing Advanced Lung Cancer – Comparison of Different Protocols 	<ul style="list-style-type: none"> Janusz Skowronek
	<ul style="list-style-type: none"> Palliative PDR BT in Treating Recurrent Larynx Cancer 	<ul style="list-style-type: none"> Janusz Skowronek
	<ul style="list-style-type: none"> HDR BT of Skin Cancer in Material of GPCC 	<ul style="list-style-type: none"> Marek Kanikowski
	<ul style="list-style-type: none"> Effectiveness of Yttrium-90 Colloid BT in Cystic Craniopharyngeomas 	<ul style="list-style-type: none"> Kolumbán Zsuzsa
POSTER WALK		
Moderators		József Lövey and Kornélia Szluha
18:15 – 18:45	Abstracts 1, 2, 4, 7, 8, 10,14, 15, 17, 19, 20, 25, 28, 32	
18:30 – 19:15	Break	
SOCIAL EVENT		AN EVENING OUT IN BUDAPEST
19:15 – 23:00	<ul style="list-style-type: none"> Gala Dinner Best Abstracts Awards Party Time 	

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Saturday, 17 October 2009

ORAL SESSION IX DEBATE ON BRACHYTHERAPY FOR LOW-RISK PROSTATE CANCER
 HDR VS. LDR SEEDS MONOTHERAPY

Chairmen Bengt Johansson and Janusz Skowronek

09:00 – 09:15	Seeds Brachytherapy as Treatment of Choice	<ul style="list-style-type: none"> • Péter Ágoston
09:15 – 09:30	HDR Brachytherapy as Treatment of Choice	<ul style="list-style-type: none"> • Michel Ghilezan
09:30 – 09:45	Discussion	<ul style="list-style-type: none"> • Péter Ágoston • Michel Ghilezan • Bengt Johansson • Janusz Skowronek
09:45 – 10:00	Proposal for a Central European Multicentric Randomised Clinical Trial Comparing HDR to LDR Seeds Monotherapy	<ul style="list-style-type: none"> • Péter Ágoston • Janusz Skowronek
10:00 – 10:15	VIDEO PRESENTATION II Technique and Treatment Planning of Prostate Seeds Implantation Using the Nucletron FIRST™ System	<ul style="list-style-type: none"> • Tibor Major • Péter Ágoston
10:15 – 10:30	VIDEO PRESENTATION III Technique and Treatment Planning of HDR Prostate Using Nucletron Oncentra Prostate™	<ul style="list-style-type: none"> • Tibor Major • Péter Ágoston
10:30 – 11:00	New Technology for Image-Guided Adaptive Brachytherapy for Prostate Tumours	<ul style="list-style-type: none"> • Lisette van der Vight
11:00 – 11:20	Discussion	<ul style="list-style-type: none"> • Péter Ágoston • Michel Ghilezan • Bengt Johansson • Tibor Major • Lisette van der Vight • Janusz Skowronek
11:20 – 11:45	Coffee break	
ROUND-TABLE DISCUSSION VI PRACTICE OF PROSTATE HDR AND SEEDS BRACHYTHERAPY		
Chairman Janusz Skowronek		
11:45 – 12:00	Optimisation Traps of HDR to LDR Prostate Brachytherapy Greater-Poland Cancer Centre Experience	<ul style="list-style-type: none"> • Janusz Skowronek
11:45 – 12:30	DISCUSSION Learning-curve of HDR and LDR Prostate Brachytherapy	<ul style="list-style-type: none"> • Péter Ágoston • Dimos Baltas • Michel Ghilezan • Bengt Johansson • Renata Soumarová • Grzegorz Zwierzchowski

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ORAL SESSION X		PROFFERED PAPERS – PROSTATE BRACHYTHERAPY
Chairmen		Jarosław Łyczek and Péter Ágoston
12:30 – 13:15	• Influence of Number of Needles on Prostate HDR Treatment Plan Quality	• Adam Chichel
	• Salvage BT for Local Recurrences of Prostate Cancer Treated Earlier with RT	• Marzena Gawkowska-Suwińska
	• Prostate HDR BT – 2 years of Treatment at Greater-Poland Cancer Center	• Marek Kanikowski
	• Open MRI-Guided HDR BT for Prostate Cancer: Feasibility and Initial Experiences	• Ferenc Lakosi
Closure		
13:15 – 13:30	Closing remarks	• Jos Lamers • Csaba Polgár