

## Programme overview

### Thursday 15<sup>th</sup> October 2009

12.00-14.30 Registration

#### OPENING CEREMONY

14.30-14.45 Welcome Speeches

*Csaba Polgár, Head of Radiotherapy NIO, Budapest and Jos Lamers, CEO Nucletron*

14.45-15.00 Speeches by Honorary Patrons

*Prof Dr Miklós Kásler, Director NIO, Budapest and 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

*Csaba Polgár*

15.20-15.35 LDR and HDR Multicatheter APBI:12-Year Result of William Beaumont Hospitals,  
Royal Oak, MI, USA

*Michel Ghilezan*

15.35-15.50 HDR Multicatheter Brachytherapy for APBI: Technique and Long-Term Results  
of Örebro University Hospital

*Bengt Johansson*

15.50-16.00 Discussion

*Anna Kulik and János Fodor*

16.00-16.30 Coffee Break

16.30-16.50 VIDEO PRESENTATION I

Breast Implantation Using Nucletron Comfort™ Catheters and Oncentra® Brachy  
Treatment Planning System

*Tibor Major*

16.50-17.10 New Technology for Breast Brachytherapy

*Grzegorz Zwierchowski and Else Meijer*

17.10-17.30 Discussion

*Anna Kulik and 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?

*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      3-D CT-Based HDR Interstitial BT for Localised Breast Cancer  
 – Plan Evaluation: M.S. Patel  
 Cancer Centre Experience  
*Ganesan Senthil*
- 18.40-19.00      IPSA vs. Geometry-Based Optimisation in Dose Distribution Calculation in Accelerated  
 Partial Breast Irradiation  
*Marta Szlag*
- 20.00              Dinner

**Friday 16<sup>th</sup> 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  
*Catharina Beskow*
- 08.45-09.00      Tolerance and Efficacy of Preoperative Intracavitary HDR Brachytherapy in IB and IIA  
 Cervical Cancer  
*Brygida Białas*
- 09.00-09.15      Preoperative HDR Brachytherapy in the Treatment of Operable Cervical Carcinoma  
 – Status of the Hungarian  
 Multicentric Randomised Clinical Trial  
*Júlia Vízkeleti*
- 09.15-09.45      New Technology for Image-guided Adaptive Brachytherapy for Gynaecological Tumours  
*Eric Sewsingh*
- 09.45-10.00      Discussion  
*Catharina Beskow and 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  
*Brygida Białas, Christian Kirisits, Jarosław Łyczek, Tibor Major, Andrzej Roszak,  
 László Thurzó*

**ORAL SESSION IV: PROFFERED PAPERS – GYNAECOLOGICAL BRACHYTHERAPY**

**Chairmen: László Mangel and Andrzej Roszak**

- 11.15-11.25 Analysis of Standard Loading Patterns for Cervix BT Using MRI-Based Dosimetry  
*Anna Lettmayer*
- 11.25-11.35 Use of Adjustable Applicator System for MRI-Guided BT in Cervical Cancer  
*Árpád Kovács*
- 11.35-11.45 Evaluation of HDR BT Fraction Dose on Local Control and Complication in Patients with Cervical Cancer IB and IIA  
*Małgorzata Kraszkievicz*
- 11.45-11.55 Impact of Treatment Time Prolongation on Pelvic Control for Uterine Cervix Cancer – Radiobiological Modelling TCP vs. Clinical Outcomes from EBM  
*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  
*Dimos Baltas*
- 13.20-13.35 Optimisation of Image-Based Treatment Plans for Breast HDR Implants  
*Tibor Major*
- 13.35-13.50 Inverse Planning in Gynaecological Brachytherapy  
*Christian Kirisits*
- 13.50-14.05 Recent and Future Developments for Brachytherapy Treatment Planning  
*Eric Sewsingh and Mehmet Üzümcü*
- 14.05-14.15 Discussion  
*Dimos Baltas and Tibor Major*

**ORAL SESSION VII: PROFFERED PAPERS – BRACHYTHERAPY PHYSICS**

**Chairmen: Maryla Kawczyńska and Christian Kirisits**

- 14.15-14.25 Irregular vs. Regular Seed Loading Pattern in Permanent Prostate Brachytherapy Planning  
*Georgina Fröhlich*
- 14.25-14.35 MRI Modelling of Rectal Dosimeter Probe during MRI-Guided HDR BT for prostate: Feasibility and Initial Experiences  
*Antal Gergely*
- 14.35-14.45 Development of Surface Applicator (Preliminary Results)  
*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  
*Bogusław Maciejewski*
- 15.30-17.15 Discussion:  
Clinical and Economic Cost-Benefit Ratio of Brachytherapy vs. Other Modalities  
(e.g. IMRT, Protons)  
Driving the Cause of Brachytherapy through Better
- Evidence
  - Standardisation and reproducibility (e.g. Protocols)
  - Economics (e.g. Reimbursement, Investment Plans)
  - Technology
  - Education
  - Lobbying (e.g. Healthcare Authorities, Healthcare Funds,  
Professional Medical Associations beyond RT, Patients)
- Péter Ágoston, Dimos Baltas, Catharina Beskow, Brygida Białas, Bengt Johansson,  
Michel Ghilezan, Gábor 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**

- 17.15-17.25 Brachytherapy Infrastructure in Poland (2002-2008)  
*Wojciech Bulski*
- 17.25-17.35 HDR BT Endobronchial in Managing Advanced Lung Cancer  
– Comparison of Different Protocols  
*Janusz Skowronek*
- 17.35-17.45 Palliative PDR BT in Treating Recurrent Larynx Cancer  
*Janusz Skowronek*
- 17.45-17.55 HDR BT of Skin Cancer in Material of GPCC  
*Marek Kanikowski*
- 17.55-18.05 Effectiveness of Yttrium-90 Colloid BT in Cystic Craniopharyngeomas  
*Zsuzsa Kolumbán*

**POSTER WALK**

- 18.15-18.45 Poster Walk, moderated by József Lövey and Kornélia Szluha
- 18.45-19.15 Break

**SOCIAL EVENT: AN EVENING OUT IN BUDAPEST – GUNDEL RESTAURANT (ÁLLATKERTI ÚT 2., BUDAPEST 1146)**

- 19.15-23.00 Gala Dinner  
Best Abstracts Awards  
Party Time

## Saturday 17<sup>th</sup> 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  
*Péter Ágoston*
- 09.15-09.30 HDR Brachytherapy as Treatment of Choice  
*Michel Ghilezan*
- 09.30-09.45 Discussion  
*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  
*Péter Ágoston, Janusz Skowronek*
- 10.00-10.15 VIDEO PRESENTATION II  
Technique and Treatment Planning of Prostate Seeds Implantation Using the Nucletron FIRST™ System  
*Tibor Major, Péter Ágoston*
- 10.15-10.30 VIDEO PRESENTATION III  
Technique and Treatment Planning of HDR Prostate Using Nucletron Oncentra® Prostate  
*Tibor Major, Péter Ágoston*
- 10.30-11.00 New Technology for Image-Guided Adaptive Brachytherapy for Prostate Tumours  
*Lisette van der Vight*
- 11.00-11.20 Discussion  
*Péter Ágoston, Michel Ghilezan, Bengt Johansson, Tibor Major, Janusz Skowronek, Lisette van der Vight*
- 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  
– The Greater-Poland Cancer Centre Experience  
*Janusz Skowronek*
- 12.00-12.30 Discussion: Learning-curve of HDR and LDR Prostate Brachytherapy  
*Péter Ágoston, Dimos Baltas, Michel Ghilezan, Bengt Johansson, Renata Soumarová, Grzegorz Zwierzchowski*

### ORAL SESSION X: PROFFERED PAPERS – PROSTATE BRACHYTHERAPY

Chairmen: **Jaroslław Łyczek and Péter Ágoston**

- 12.30-12.40 Influence of Number of Needles on Prostate HDR Treatment Plan Quality  
*Adam Chichel*

- 12.40-12.50 Salvage BT for Local Recurrences of Prostate Cancer Treated Earlier with RT  
*Marzena Gawkowska-Suwińska*
- 12.50-13.00 Prostate HDR BT – 2 years of Treatment at the Greater-Poland Cancer Centre  
*Marek Kanikowski*
- 13.00-13.10 Open MRI-Guided HDR BT for Prostate Cancer: Feasibility and Initial Experiences  
*Ferenc Lakosi*
- CLOSURE**
- 13.15-13.30 Closing remarks  
*Jos Lamers and Csaba Polgár*