

Agenda

7:00 AM CONTINENTAL BREAKFAST

8:00 – 8:05 AM WELCOME

8:05 – 8:30 AM KEYNOTE LECTURE – PHILLIP M. DEVLIN, MD, FACR, FASTRO, FFRCSI (HON)

The Current Value and Usefulness of Brachytherapy in the Overall Management of the Oncology Patient

8:30 - 10:15 AM

SESSION A1: BREAST BRACHYTHERAPY IN THE HEAT OF COMPETITION

Chairs: Atif J. Khan, MD; Jean-Michel Hannoun-Levi, MD, PhD; Csaba Polgár, MD, PhD, MSc

- Overview of APBI Phase III Trials: Validation of the APBI Concept According to the Irradiation Technique Used Atif J. Khan, MD
- Breast Brachytherapy "State-of-the-Art" Robert R. Kuske, MD, FAACE
- Salvage Brachytherapy as a New Indication After Previous BCT

Jean-Michel Hannoun-Levi, MD, PhD

Why Choose Brachytherapy and Not External Beam RT or IORT?

Csaba Polgár, MD, PhD, MSc

- Results of APBI Clinical Trials Using Intracavitary Singleand Multi-Channel Breast Brachytherapy Applicators Frank A. Vicini, MD, FACR
- Panel Discussion

SCIENCE

BREAK

0.15 - 10.45

SESSION A2: BRACHYTHERAPY IN GYNECOLOGIC CANCERS: CHALLENGES AND DEVELOPMENTS

Chair: Umesh Mahantshetty, DMRT, MD, DNB (RT)

- Transition From 2D to 3D Brachytherapy in Cervical Cancers:
 The Vienna Experience
 Richard Pötter, MD
- Implementation in Clinical Practice: Challenges in Developing Economies
 Umesh Mahantshetty, DMRT, MD, DNB (RT)
- Imaging Modalities: Current Challenges and Future Directions

Johannes C. Athanasios Dimopoulos, MD

Gynecologic Brachytherapy Case Discussion

CHALLENGES

SESSION A3: PHYSICS

Chair: Luc Beaulieu, PhD

 Prostate Brachytherapy Ultrasound QA: A Practical Approach

Frank-André Siebert, PhD

- Everything You Wanted to Know About Skin Brachytherapy But Were Too Busy to Ask Zoubir Ouhib. MS. DABR
- Advanced Dose Calculations in Brachytherapy: First Contact Luc Beaulieu, PhD

10:45 AM - 12:30 PM

SESSION B1: GYNECOLOGY – 100 YEARS OF EXPERIENCE, NEW CHALLENGES

Chairs: Christian Kirisits, MSc, PhD; Subhakar Mutyala, MD

- Vaginal Cylinders for Modern Brachytherapy
 D. Jeffrey Demanes, MD, FACRO, FACR, FASTRO
- The Overall Concept for Definitive Endometrium Radiotherapy
 Subhakar Mutyala, MD

Modern Interstitial Techniques

- Umesh Mahantshetty, DMRT, MD, DNB (RT)
- The New ICRU/GEC-ESTRO Report in Clinical Practice Christian Kirisits, MSc, PhD
- Update of EMBRACE and Retro-EMBRACE Kari Tanderup, PhD
- Panel Discussion

SCIENCE

SESSION B2: BREAST BRACHYTHERAPY: STATE-OF-THE ART AND CHALLENGING PERSPECTIVES

Chairs: Jean-Michel Hannoun-Levi, MD, PhD; Csaba Polgár, MD, PhD, MSc

 Breast Brachytherapy: State-of-the-Art and Challenging Perspectives

Jean-Michel Hannoun-Levi, MD, PhD

 Brachytherapy for Breast Cancer: Which Device for Which Patient?

Robert R. Kuske, MD, FAACE

- How to Prevent/Avoid Late Side Effects Csaba Polgár, MD, PhD, MSc
- Challenges Faced in Setting Up a Breast Brachytherapy Service

Johann Tang, MBBS, FRANZCR

 Breast Brachytherapy: How to Allay Fears of Patients and Colleagues, and What Are Our Expectations for the Future?
 Vratislav Strnad, MD, PhD, Prof.

CHALLENGES

SESSION B3: NEW HORIZONS-BREAKTHROUGH TECHNOLOGIES

Chair: Atif J. Khan, MD

- Y90 Microsphere Liver Treatment: Set Up, Tips & Tricks Phillip M. Devlin, MD, FACR, FASTRO, FFRCSI (Hon)
- Robotic Brachytherapy Gabriel Kacsó, MD
- Post-Craniotomy Cesium Implants Atif J. Khan, MD
- Practical Aspects of CT-Guided Biliary Duct Brachytherapy Atif J. Khan, MD, and Phillip M. Devlin, MD, FACR, FASTRO, FFRCSI (Hon)

HANDS-ON WORKSHOP

HANDS-ON WORKSHOP

Agenda

1:30 - 3:15 PM

SESSION C1: PHYSICS – ADDING CERTAINTY TO SAFETY

Chair: Luc Beaulieu, PhD

- State-of-the-Art in Brachytherapy Dose Calculation Luc Beaulieu. PhD
- Clinical Uncertainties: What Is the Magnitude? Kari Tanderup, PhD
- Advancements in Real-Time Imaging for Brachytherapy Frank-André Siebert, PhD
- In Vivo Dosimetry in Brachytherapy: Feasible and Needed?
 Annette Haworth, PhD, FACPSEM
- Panel Discussion

SCIENCE

SESSION C2: BUILDING A GLOBAL BRACHYTHERAPY COMMUNITY

Chairs: André-Guy Martin, MD, MSc, FRCP; Tim R. Williams, MD

- How to Develop a Brachytherapy Community: The Need for an Interconnected Global Community for Brachytherapy
 Tim R. Williams, MD
- The International Cancer Expert Corps: A Peace Corps for Oncology

C. Norman Coleman, MD

- Challenges and Accomplishments for Globalization of Brachytherapy: The (GEC)-ESTRO Perspective Richard Pötter. MD
- Radioactive Seed Brachytherapy in China: Lessons From the First 14 Years

JunJie Wang, MD, PhD, and Fuquan Zhang, MD

- The Concept of an Interconnected Global Brachytherapy Community
 André-Guy Martin, MD, MSc, FRCP
- Panel Discussion: A Rollout Plan for an Interconnected Global Brachytherapy Community

CHALLENGES

SESSION C3: PRACTICAL TIPS & TRICKS FOR A GOOD BREAST BRACHYTHERAPY IMPLANT USING STANDARD AND NEW DEVICES

Chairs: Csaba Polgár, MD, PhD, MSc; Vratislav Strnad, MD, PhD, Prof.

- Video Presentation on Postoperative CT- and Template-Guided Breast Implantation Csaba Polgár, MD, PhD, MSc
- GEC-ESTRO Recommendations for APBI PTV Definition After Open- and Closed-Cavity Surgery Vratislav Strnad, MD, PhD, Prof.
- Tips & Tricks for a Good Interstitial Implant Choice Between Different Types of Brachytherapy Techniques
 Johann Tang, MBBS, FRANCZR
- Pros & Cons of Single-Lumen (MammoSite®) and Multi-Lumen Balloon Brachytherapy
 Frank A. Vicini, MD, FACR
- Panel Discussion

3:45 - 5:30 PM

SESSION D1: WHAT MAKES BRACHYTHERAPY SO EXCITING?

Chairs: Vincenzo Valentini, MD; Yasuo Yoshioka, MD

- Why Patients Should Choose Brachytherapy Vincenzo Valentini, MD
- The Awareness to Cure Patients
 Phillip M. Devlin, MD, FACR, FASTRO, FFRCSI (Hon)
- The Organ-Sparing Capacity of Brachytherapy Peter Grimm, DO
- The Portfolio of Technical Innovations Yasuo Yoshioka, MD
- Panel Discussion: Which Messages Can Reach Your Patients

SCIENCE

SESSION D2: EMBRACING THE KNOWLEDGE OF RADIOBIOLOGY AND RADIATION

Chair: Christian Kirisits, MSc, PhD

- The EQD2 Concept for Practical Reporting of Cervix Brachytherapy
 Christian Kirisits, MSc, PhD
- Background of Brachytherapy for Different Sites Alexandra Stewart, DM, MRCP, FRCR
- Hidden Issues in the Use of LQ and Other Models William H. McBride, PhD, DSc
- Operator Training in HDR Brachytherapy: Preventing Treatment Errors

Zoubir Ouhib, MS, DABR

Panel Discussion

CHALLENGES

SESSION D3: WHAT DOES ADVANCED GYNECOLOGIC BRACHYTHERAPY LOOK LIKE IN PRACTICE?

Chairs: Mitchell Kamrava, MD;

Umesh Manhantshetty, DMRT, MD, DNB (RT)

 CT- and U/S-Guided Brachytherapy Ablation for Gynecologic Cancers

Mitchell Kamrava, MD

- Advanced Brachytherapy Procedures for Local Disease Umesh Manhantshetty, DMRT, MD, DNB (RT)
- The Planning Process in Adaptive Gynecologic Brachytherapy Razvan Galalae, MD, PhD
- Planning: Tips & Tricks
 Johannes C. Athanasios Dimopoulos, MD, and Kari Tanderup, PhD



Agenda

7:00 AM CONTINENTAL BREAKFAST

8:00 – 8:05 AM WELCOME

8:05 – 8:30 AM KEYNOTE LECTURE – RICHARD PÖTTER, MD

Shaping the Future of Brachytherapy - Between New Technologies, Diagnostic Tools, and Improved Outcomes

8:30 - 10:15 AM

SESSION E1: PROSTATE CANCER: IS PROVEN QUALITY AN ARGUMENT?

Chairs: Janusz Skowronek, MD, PhD; Mitchell Kamrava, MD; André-Guy Martin, MD, MSc, FRCP

- LDR, HDR, or PDR Crossroads
 Janusz Skowronek, MD, PhD
- Why Choose Brachytherapy and Not EBRT? Mitchell Kamrava, MD
- Is LDR Brachytherapy Still an Option for Developing Countries?
 André-Guy Martin, MD, MSc, FRCP
- The Role of HDR Monotherapy for Intermediate-/High-Risk Prostate Cancer Patients
 John K. Hayes, Jr, MS, MD
- The Role of HDR Boost for High-Risk Prostate Cancer Patients
 Ferrán Guedea, MD. PhD
- Prostate Cancer Results Study Group 2014 Results Comparing Treatment of Prostate Cancer
 Peter Grimm, DO
- Panel Discussion: How Brachytherapy Can Overcome Tremendous Competition

SCIENCE

BREAK

0:15 – 10:45 AM

SESSION E2: DEVELOPING A BRACHYTHERAPY PROGRAM

Chair: Tim R. Williams, MD

- How to Start a Brachytherapy Program: It Depends on Where You Live!
 Tim R. Williams, MD
- The Essential Components: The Brachytherapy Suite Akila Viswanathan, MD, MPH
- Starting a Brachytherapy Program in Government-Controlled Healthcare Systems
 Razvan Galalae, MD, PhD
- Building a Brachytherapy Program in Developed Countries Outside of the USA and Europe Keith H. C. Lim, MBBS, FRANZCR
- The Process of Care, Reimbursement Potential, Program Costs, and Pro Forma for Starting a New Brachytherapy Program in the USA Tim R. Williams, MD
- Panel Discussion

CHALLENGES

SESSION E3: UNDERVALUED TECHNIQUES EXPOSED

Chairs: Vratislav Strnad, MD, PhD, Prof.; Antonio Cássio Assis Pellizzon, MD, PhD, MSc

- Brachytherapy for Penile Carcinoma: Technique, Target Definition/Delineation, and Dose Schedule Vratislav Strnad, MD, PhD, Prof.
- Brachytherapy for Bladder Cancer: Technique, Intraoperative, and Postoperative Target Definition, and Dose Schedule Geert Smits, MD
- Brachytherapy for Sarcomas: Techniques, Intraoperative Target Definition and Postoperative Target Delineation, and Dose Schedule Antonio Cássio Assis Pellizzon, MD, PhD, MSc
- Endorectal Brachytherapy: Equipment, Technique, Target Definition, and Dose Schedule Té Vuong, MD, FRCP

This session includes round robin demonstrations using a phantom.

HANDS-ON WORKSHOP

10:45 AM - 12:30 PM

SESSION F1: PALLIATIVE BRACHYTHERAPY – A CARE FOR PATIENTS

Chairs: Janusz Skowronek, MD, PhD; Subhakar Mutyala, MD

- Palliative Brachytherapy: A Solution for Advanced Esophageal Cancer
 Té Vuong, MD, FRCP
- Brachytherapy Against Deadly Threat: Dyspnea Subhakar Mutyala, MD
- "Rendez-Vous" as a Solution for Biliary Duct Cancer Janusz Skowronek, MD, PhD
- Palliative Brachytherapy of Head and Neck Cancer When, Why, How?
 Antonio Cássio Assis Pellizzon, MD, PhD, MSc
- Panel Discussion: Is Palliative Brachytherapy Always Better Than Supportive Treatment?

SCIENCE

SESSION F2: CHALLENGES IN ADVANCING YOUR PROSTATE PRACTICE

Chairs: André-Guy Martin, MD, MSc, FRCP; Yasuo Yoshioka, MD; Mitchell Kamrava, MD

- Are We Going in the Right Direction? Expectations of a Better Cure and Survival Gain With HDR Brachytherapy John K. Hayes, Jr, MS, MD
- Would SBRT Hypofractionated Approach Be as Good? Then Why Bother With Brachytherapy?
 Yasuo Yoshioka, MD
- Can We Salvage Local Recurrence With Brachytherapy Better Than With Surgery or SBRT?
 D. Jeffrey Demanes, MD, FACRO, FACR
- Is Focal Therapy Really the Right Step Forward? Mitchell Kamrava, MD
- Advancing Your Prostate Practice: Could a Robotic Telemanipulator Integrated to Functional Imaging Be of Help?
 André-Guv Martin. MD. MSc. FRCP

Allure-Guy Marull, MD, MSC, FF

Clinical Case Discussions

CHALLENGES

SESSION F3: IMAGING IN BRACHYTHERAPY

Chair: Christian Kirisits, MSc, PhD

- MRI-Based Imaging and Contouring of Gynecologic Cases Johannes C. Athanasios Dimopoulos, MD
- CT-Based Imaging and Contouring of Gynecologic Cases
 Akila Viswanathan, MD, MPH
- Registration and Reconstruction of Different Image Modalities (MRI, CT, and U/S) and Applicators Christian Kirisits, MSc, PhD
- Imaging for Prostate and Other Sites Bradley R. Pieters, MD, PhD
- Hands-On Cases

HANDS-ON WORKSHOP

1:30 - 3:15 PM

SESSION G1: NEW HORIZONS – BREAKTHROUGH TECHNOLOGIES

Chair: Vincenzo Valentini, MD

- Can Protons Replace Eye Brachytherapy?
 Richard Pötter, MD
- High-Dose-Rate Intraoperative Radiation Therapy: The Nuts and Bolts of Starting a Program, and New Directions
 Joseph M. Herman, MD, MSc
- CT-Guided HDR Brachytherapy in Oligometastases Jens Ricke, MD, PhD
- HDR and SBRT: Competitive Treatments?
 Ferrán Guedea. MD. PhD
- Panel Discussion

SCIENCE

BREAK

SESSION G2: BRACHYTHERAPY FOR HEAD & NECK AND SKIN TUMORS – CHALLENGE OR ROUTINE FOR PHYSICIAN AND PHYSICIST?

Chairs: Tim R. Williams, MD; Vratislav Strnad, MD, PhD, Prof.

- Surface Brachytherapy for Squamous and Basal Cell Carcinomas of the Skin Michael E. Kasper, MD, FACRO
- Head & Neck Brachytherapy: Primary or Salvage When, Why, Who?
 Vratislav Strnad, MD, PhD, Prof.
- Interactive Session: Solve a Problem Large-Volume Skin Brachytherapy — Scalp, Skin, Breast Wall, etc.
- Clinical Case Discussion

Alexandra Stewart, DM, MRCP, FRCR

CHALLENGES

SESSION G3: PROSTATE BRACHYTHERAPY: FROM NEEDLE INSERTION AND BASIC PLANNING TO INTEGRATED REAL-TIME ULTRASOUND-BASED PROCEDURES

Chairs: André-Guy Martin, MD, MSc, FRCP; Luc Beaulieu, PhD

- Why HDR Prostate Brachytherapy and for Whom?
 André-Guy Martin, MD, MSc, FRCP
- Overview of an HDR Brachytherapy Procedure André-Guy Martin, MD, MSc, FRCP
- Hands-on Session
 John K. Hayes, Jr, MS, MD; Luc Beaulieu, PhD;
 André-Guy Martin, MD, MSc, FRCP
- Ask the Experts

3:45 - 5:30 PM

SESSION H1: HIDDEN HEROES OF BRACHYTHERAPY: UNDERVALUED TECHNIQUES

Chairs: Vratislav Strnad, MD, PhD, Prof.;

Antonio Cássio Assis Pellizzon, MD, PhD, MSc

- Penile Carcinoma Organ Preservation With Brachytherapy Vratislav Strnad, MD, PhD
- Bladder Cancer: Is Brachytherapy an Alternative for Cystectomy?

Bradley R. Pieters, MD, PhD

- Sarcoma: Benefit From Brachytherapy in Curative Intention Antonio Cássio Assis Pellizzon, MD, PhD, MSc
- Is High-Dose-Rate Brachytherapy a Treatment Option for Patients With Rectal Cancer?
 Té Vuong, MD, FRCP
- Interstitial Brachytherapy for Lung Cancer: Techniques and Results
 Alexandra Stewart, DM, MRCP, FRCR
- Panel Discussion

SCIENCE

SESSION H2: THE COMPELLING CASE FOR BRACHYTHERAPY IN THE PALLIATIVE SETTING

Chairs: Janusz Skowronek, MD, PhD; Yasuo Yoshioka, MD; Tim R. Williams. MD

- Re-irradiation of Lung Cancer: Undervalued Possibility Janusz Skowronek, MD, PhD
- Re-irradiation Using HDR Interstitial Brachytherapy for Locally Recurrent Cervical Cancer Yasuo Yoshioka. MD
- Esophageal Cancer: Is Combination With Surgery (Stents) or EBRT a Better Solution?
 Razvan Galalae, MD, PhD
- Quality of Life: To Treat or Not to Treat?
 Tim R. Williams, MD
- Clinical Case Discussion

CHALLENGES

SESSION H3: SKIN, HEAD & NECK

Chair: Subhakar Mutyala, MD

- Leipzig Applicators and E-brachytherapy Zoubir Ouhib, MS, DABR
- Surface Molds Believe it or Not, Not All Skin Cancers Are Flat and Round!

Subhakar Mutyala, MD

- Head & Neck Brachytherapy (Clinical)
 Phillip M. Devlin, MD, FACR, FASTRO, FFRCSI (Hon)
- Head & Neck Brachytherapy (Physics)
 Frank André-Siebert, PhD

HANDS-ON WORKSHOP

HANDS-ON WORKSHOP