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The World Congress of Brachytherapy is pending approval by the Commission on Accreditation of Medical Physicists Education programs (CAMPEP) of Category A continuing education credits.

The World Congress of Brachytherapy is pending approval by the Medical Dosimetrist Certification Board (MDCB) for continuing education credit.

Upon request, a record of attendance (certificate) will be provided on-site at the registration desk to other health care professionals for requesting credits in accordance with state nursing boards, specialty societies, or other professional associations.

Conflict of Interest and Off-Label/Disclosure Statement

Presenters at this meeting will disclose any conflict of interest or their intention to discuss off-label use, if applicable, in accordance with ACCME Standards and FDA requirements.

2016 World Congress of Brachytherapy

Learning Objectives:

1. Understand the current American Brachytherapy Society’s guidelines for brachytherapy and the literature supporting these modalities, controversies, available methods and toxicities

2. Learn about the current capabilities of brachytherapy treatment planning

3. Understand the indications and proper technique for brachytherapy

4. Describe the changes and potential future changes in health policy and the impact on brachytherapy practices

5. Obtain knowledge and hands-on experience in anatomy and organ segmentation in both prostate and gynecologic carcinoma as well as application of brachytherapy for skin cancers

6. Understand the current data regarding different fractionation schedules and clinical implications of different approaches

7. Understand new treatment devices and how these can impact patient care. Understand new imaging modalities and how this can impact brachytherapy
D. Jeffrey Demanes, MD, FACRO, FACR, FASTRO

D. Jeffrey Demanes completed training and was board certification in medical and radiation oncology in 1981. His enthusiasm for clinical procedures and his fellowship with Drs. Nisar Syed and Ajmal Puthawala inspired him to dedicate his career brachytherapy. Soon thereafter he became a loyal member of the American Brachytherapy Society. He founded California Endocurietherapy (CET), the first practice in the United States devoted to solely to brachytherapy and learned many applicable techniques by scrubbing in with his surgical colleagues. He did low dose rate brachytherapy for 10 years at numerous hospitals in the San Francisco Bay Area and then opened a high dose rate (HDR) specialty center, which offered brachytherapy for every indication. Approximately 25,000 HDR treatments were delivered between 1991-2009.

He trained many physicians in the art of brachytherapy and hosted residents and physicians from Stanford (Henry Kaplan 2004 and Gold Nugget 2007 teaching awards) and many other centers. He created a database registry in 1991, which accumulated information on the approximately 5000 HDR patients treated at CET. From this database he collaborated with Dr. Alvaro Martinez and others to publish pioneering multi-institutional outcome studies on prostate and other cancers. He has given many invited lectures and published many articles on brachytherapy.

Dr. Demanes recognized the importance of contributing to organized medicine. He was the president of the American College of Radiation Oncology (ACRO) (Gold Medal award 2010), the chairman of the Healthcare Policy Committee of the American Society of Radiation Oncology (ASTRO), president of the American College of Radiology (ACR) Council of Region Radiation Oncology Societies (CARROS), and a long-standing member of the ACR Clinical Advisory Committee (CAC). In all these things he brought the interests of brachytherapy to the attention of healthcare policy makers.

In 2010 he became Director of Brachytherapy at UCLA to train medical students, residents, and fellows, do outcomes research, and develop a center of excellence. He promoted the concepts of the synergism of interstitial brachytherapy coupled with HDR to achieve optimal dosimetry and maximum benefit for the patient. His vision for the future is more and better image guidance and the development of brachytherapy navigation for catheter insertion and treatment planning. Beginning in 2016 he became Professor Emeritus at UCLA where he continues to pursue brachytherapy interests with passion.

Richard Pötter, MD

Richard Pötter started his professional career after graduation in 1975 in medicine from the University of Münster, Germany, with training in surgery and internal medicine (4 years) and became diagnostic radiologist and radiation oncologist. He obtained his academic degree on imaging in radiotherapy in 1989 which included “MRI simulation”, with first pioneer work also on MRI in brachytherapy.

In 1993, Richard Pötter became Professor and Chairman of the Department of Radiation Oncology at the Medical University of Vienna, in the New Vienna General Hospital. With his team he promoted numerous developments in different areas of radiation oncology, with his main interest in image guided radiotherapy including particle therapy. He succeeded in implementation of MRI in brachytherapy in Vienna in 1998 with developing MRI based gynaecologic and prostate brachytherapy and EBRT. He was also active in endovascular brachytherapy in coronary and peripheral arteries with a consecutive series of 8 Vienna clinical trials.

For Richard Pötter MRI guided gynaecologic brachytherapy has finally become his major area of research and development, in Vienna and also in international networks, mainly through GEC ESTRO. In parallel to the development of MRI guided technology (including intracavity and interstitial techniques) and its clinical implementation, a major breakthrough was the introduction of the adaptive target concept, the DVH reporting and the use of bio-effective modelling into gynaecologic brachytherapy together with Erik van Limbergen, Christine Haie-Meder, Christian Kirisits (GEC ESTRO Recommendations in 2005/2006). He coordinated the GYN GEC ESTRO network since 2005, first with Christian Kirisits and then with Kari Tanderup. Together with Jacob Lindegaard this was the initiating team of the EMBRACE study (2008-2015) (www.embracestudy.dk). EMBRACE has become a strong clinical study and research group and recently started EMBRACE II. The Vienna group and various other groups including EMBRACE and Retro-EMBRACE collaborators have provided growing methodological, technological, dosimetric and clinical evidence for Image guided adaptive brachytherapy through numerous publications.

Richard Pötter has been continuously involved in clinical and academic education and training in Vienna and also abroad, for radiation oncology, for general brachytherapy (ESTRO Teaching Courses (1993-2008), GEC ESTRO Handbook of Brachytherapy 2002, 2014 (www.estro.org)) and gynaecologic brachytherapy (ESTRO Teaching Courses since 2004). Many fellows were trained, in particular in image guided gynaecologic brachytherapy and regular hands-on gynaecologic workshops have been set up in Vienna and abroad. He coordinated the committee for the “ICRU GEC ESTRO Report 89” on “Prescribing, Recording and Reporting Brachytherapy for Cancer of the Cervix” (1998-2016), since 2009 with C. Kirisits.

He was president of the European Brachytherapy Group GEC ESTRO (1999-2003), clinical editor in “Radiotherapy and Oncology” 2006-2014 and chairman of the ESTRO School 2006-2016 (ESTRO Education Committee).
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Scott Glaser, MD
University of Pittsburgh
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The Declining Use of Brachytherapy Boost for Prostate Cancer Despite Associated Survival Advantage

Joelle Helou, MD
Odette Cancer Centre
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Low-Dose-Rate Brachytherapy versus. Standard Fractionated External Beam Radiotherapy versus. Stereotactic Body Radiotherapy for Low-Risk Prostate Cancer: A Cost-Utility Analysis

Andrew Orton, MD
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Brachytherapy Improves Survival in Primary Vaginal Cancer

Chiara Tenconi, PhD
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University of Arizona Cancer Center  
Paradise Valley, AZ

Kailash Narayan, MBBS, MD, PhD, FRANZCR  
Peter MacCallum Cancer Centre  
Melbourne, Australia

Paul Nguyen, MD  
Dana Farber Brigham and Women's Cancer Center  
Boston, MA

Peter Niehoff, MD  
Dep of Radiotherapy, Kliniken Köln  
Cologne, Germany

Remi Nout, MD, PhD  
Leiden University Medical Center  
Leiden, Netherlands

Desmond A. O'Farrell, MSc  
Dana Farber Brigham and Women's Cancer Center  
Boston, MA

Tatsuya Ohno, MD  
Gunma University  
Gunma, Japan

Zoubir Ouhib, MS, DABR  
Lynn Cancer Institute  
Delray Beach, FL

Sang-June Park, PhD, DABR  
University of California Los Angeles  
Los Angeles, CA

Bradley Pieters, MD, PhD  
Academic Medical Center/UVA  
Amsterdam, Netherlands

Csaba Polgar, MD, PhD, MSc  
National Institute of Oncology  
Budapest, Hungary

Jaganmohan Poli, MD  
Drexel University College of Medicine  
Philadelphia, PA
Faculty

Richard Pötter, MD  
Medical University of Vienna  
Vienna, Austria

Bradley R. Prestidge, MD, MS  
Bon Secours Cancer Institute  
Norfolk, VA

Thomas J. Pugh, MD  
UC Denver  
Aurora, CO

Marie Lynn Racine, MD  
Hospital Maisonneuve-Rosemont  
Montreal, PQ Canada

Alexandra Rink, PhD  
Princess Margaret Cancer Center  
Toronto, ON Canada

Mark J. Rivard, PhD, FAAPM  
Tufts University School of Medicine  
Hopkinton, MA

C. Leland Rogers, MD  
Virginia Commonwealth University  
Richmond, VA

Jason Rownd, MS  
Medical College of Wisconsin  
Milwaukee, WI

Daniel J. Scanderbeg, PhD  
University of California San Diego  
Medical Center  
San Diego, CA

Sandra J. Sha, MD  
Central Florida Cancer Institute  
Orlando, FL

Frank-Andre Siebert, PhD  
UK-SH, Campus Kiel/  
Clinic of Radiotherapy  
Kiel, Germany

Ron S. Sloboda, PhD, FCCM  
Cross Cancer Institute  
Edmonton, AB Canada

Daniel Y. Song, MD  
Johns Hopkins University  
Baltimore, MD

William Y. Song, PhD  
Sunnybrook Health Sciences Centre  
Toronto, ON Canada

Alexandra Joy Stewart, DM, MRCP, FRCR  
St Luke’s Cancer Centre,  
Royal Surrey County Hospital  
Guilford, Surrey United Kingdom

Richard Glenn Stock, MD  
Mount Sinai Medical Center  
New York, NY

Vratislav Strnad, MD  
University Hospital Erlangen  
Erlangen, Bavaria Germany

Arthur Sun Myint, FRCP (Ed), DMRT,  
FRCS, FRCR, FICS  
The Clatterbridge Cancer Centre  
Wirral, United Kingdom

Jamema Swamidas, M.Sc, Dip. R.P.  
 Tata Memorial Centre  
Mumbai, Maharashtra India

Al V. Taira, MD  
Sutter Health Mills  
Peninsula Health Services  
San Mateo, CA

Li Tee Tan, MBBS, MRCP, FRCR, MD  
Cambridge University Hospital  
Cambridge, United Kingdom

Kari Tanderup, PhD  
Aarhus University Hospital  
Aarhus, Denmark

Johann I. Tang, MD, FRANZCR  
National Cancer Institute Singapore  
Singapore, Singapore

Alexandra Taylor, MBBS, MRCP, FRCR, MD  
Royal Marsden Hospital  
London, United Kingdom

Bruce Robert Thomadsen, PhD  
University of Wisconsin-Madison  
Madison, WI

Dorin A. Todor, PhD  
Virginia Commonwealth University  
Health System  
Richmond, VA

Mark G. Trombetta, MD  
Allegheny Health Network  
Pittsburgh, PA

Erik Van Limbergen, MD, PhD  
University of Hospital Gasthuisberg  
Leuven, Belgium

Marco Van Vulpen, MD, PhD  
UMC Utrecht  
Utrecht, Netherlands

Aradhana M. Venkatesan, MD  
MD Anderson Cancer Center  
Houston, TX

Frank Andrea Vicini, MD, FACR  
21st Century Oncology  
Farmington, MI

Celia Viegas, MD, PhD  
Instituto Nacional De Cancer, INCARJ  
Rio De Janeiro, Brazil

Javier Vijande, PhD  
University of Valencia  
Burjassot, Spain

Akila N. Viswanathan, MD, MPH  
Dana Farber Brigham and Women’s Cancer Center  
Boston, MA

Jihong Wang, PhD  
MD Anderson Cancer Center  
Houston, TX

David E. Wazer, MD, FACR, FACRO  
Tufts and Brown University  
Boston, MA

John Ben Wilkinson, MD  
Willis-Knighton Medical Center  
Shreveport, LA

Catheryn Yashar, MD, FACRO  
University of California, San Diego  
La Jolla, CA

Yasuo Yoshioka, MD, PhD  
Osaka University Graduate School of Medicine  
Osaka, Japan

Marco Zaidier, PhD  
Memorial Sloan-Kettering Cancer Center  
New York, NY

Michael J. Zelefsky, MD  
Memorial Sloan-Kettering Cancer Center  
New York, NY

Fu-Quan Zhang, MD  
Peking Union Medical College Hospital  
Beijing, China
SUNDAY, JUNE 26, 2016

PHYSICS WORKSHOP ON TREATMENT VERIFICATION

7:00 am – 6:00 pm  **REGISTRATION** | Grand Ballroom Foyer

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8:00 am  **WELCOME** | Grand Ballroom A

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8:10 am – 9:10 am  **Introduction to Treatment Verification** | Grand Ballroom A

**Moderator:** Firas Mourtada, PhD  
Christiana Care Health System | Newark, DE

**Speakers:**
- Comparing the Verification Worlds: EBRT and BT  
  Kari Tanderup, PhD  
  Aarhus University Hospital | Aarhus, Denmark
- Treatment Errors in Brachytherapy  
  Bruce R. Thomadsen, PhD  
  University of Wisconsin-Madison | Madison, WI
- Uncertainties in Brachytherapy  
  Christian Kirisits, ScD  
  University of Vienna | Vienna, Austria

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9:10 am – 10:45 am  **In-Room Image Based Verification** | Grand Ballroom A

**Moderator:** Christian Kirisits, ScD  
University of Vienna | Vienna, Austria

**Speakers:**
- Introduction: On-Line and Off-Line Imaging: Possibilities and Limitations  
  Dimos Baltas, PhD  
  University Medical Centre Freiburg | Freiburg, Germany
- Fluoroscopy  
  Alexandra Rink, PhD  
  Princess Margaret Cancer Centre | Toronto, ON, Canada
- CBCT  
  Oana Craciunescu, PhD  
  Duke University Medical Center | Durham, NC
- CT  
  Firas Mourtada, PhD  
  Christiana Care Health System | Newark, DE
- MRI  
  Astrid de Leeuw, PhD  
  University Medical Center Utrecht | Utrecht, Netherlands

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10:45 am – 11:15 am  **BREAK** | Grand Ballroom Foyer
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>11:15 am – 12:15 pm</td>
<td><strong>In-Vivo Dosimetry</strong></td>
</tr>
<tr>
<td>Moderator: Sam Beddar, PhD, DABR, CRE, FCCPM</td>
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<tr>
<td>MD Anderson Cancer Center</td>
<td>Houston, TX</td>
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<tr>
<td>Speakers: Principles of Real-Time In-Vivo Dosimetry</td>
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<tr>
<td>Gustavo Kertzsch, PhD</td>
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<tr>
<td>MD Anderson Cancer Center</td>
<td>Houston, TX</td>
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<tr>
<td>Clinical Practice of In-Vivo Source Position Verification</td>
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<tr>
<td>Dean Cutajar, PhD</td>
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<tr>
<td>University of Wollongong</td>
<td>Sydney, Australia</td>
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<tr>
<td>Clinical Practice of In-Vivo Dose Verification</td>
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<tr>
<td>Joanna E. Cygler, PhD, FCCPM, FAAPM</td>
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</tr>
<tr>
<td>The Ottawa Hospital Regional Cancer Centre</td>
<td>Ottawa, ON, Canada</td>
</tr>
</tbody>
</table>

| 12:30 pm – 1:30 pm | LUNCH | Plaza A |

| 1:30 pm – 2:00 pm | **In Memory of Jean Pouliot, PhD** | Grand Ballroom A |
| In Memoriam Tribute Given By: |
| Luc Beaulieu, PhD |
| I-Chow Hsu, MD |

| 2:00 pm – 3:30 pm | **Tracking for Implantation and Verification** | Grand Ballroom A |
| Moderator: William Y. Song, PhD |
| Sunnybrook Health Sciences Centre | Toronto, ON Canada |
| Speakers: EM Tracking |
| Luc Beaulieu, PhD |
| Hotel-Dieu De Quebec, CHUQ | Quebec City, QC, Canada |
| MR Tracking |
| Robert Cormack, PhD |
| Brigham & Women’s Hospital | Boston, MA |
| Optical Tracking |
| Alexandra Rink, PhD |
| Princess Margaret Cancer Centre | Toronto, ON, Canada |
| Applicator Tracking for Verification: Principles |
| Markus Kellermeier, PhD |
| University Clinic Erlangen | Erlangen, Germany |
| Clinical Implementation |
| Antonio Damato, PhD |
| Dana-Farber Brigham and Women’s Cancer Care | Boston, MA |

| 3:30 pm – 4:00 pm | COFFEE BREAK | Grand Ballroom Foyer |

| 4:00 pm – 5:30 pm | **Industry Perspective** | Grand Ballroom A |
| Moderator: Dimos Baltas, PhD |
| University Medical Centre Freiburg | Freiburg, Germany |
| Eckert & Ziegler BEBIG | Best Medical International | Elekta | Varian Medical Systems |

| 5:30 pm – 6:30 pm | **Round-Table Discussion** | Grand Ballroom A |
MONDAY JUNE 27, 2016

7:00 am – 5:30 pm  REGISTRATION | Yosemite Foyer

7:30 am – 7:00 pm  COMMERCIAL EXHIBITS | Grand Ballroom B
(Including Welcome Reception)

7:30 am – 8:00 am  CONTINENTAL BREAKFAST | Grand Ballroom B

7:55 am – 8:00 am  WELCOME | Grand Ballroom A
Peter F. Orio, III, DO, MS
2016 World Congress of Brachytherapy Scientific Program Chair

8:00 am – 9:00 am  Breast Session I: Target Definition, Selection Criteria, and Margins for APBI | Grand Ballroom A
Moderators:  Csaba Polgár, MD, PhD, MSc
National Institute of Oncology | Budapest, Hungary
Frank A. Vicini, MD, FACR
21st Century Oncology | Farmington, MI
Speakers:  Asian View
Johann I. Tang, MD, MBBS, FRANZCR, FAMS
National Cancer Institute, Singapore | Singapore
European View
Jose Luis Guinot, MD
University Hospital | Valencia, Spain
US View
Simona F. Shaitelman, MD, Ed.M
MD Anderson Cancer Center | Houston, TX
GEC-ESTRO Guidelines for Target Definition
Vratislav Strnad, MD, PhD
University Hospital Erlangen | Erlangen, Germany

8:00 am – 9:00 am  Self-Assessment Module Credit Course

Prostate Session I: Long Term Outcomes Following Prostate Brachytherapy | Imperial Ballroom A/B
Moderators:  Brian J. Davis, MD, PhD
Mayo Clinic | Rochester, MN
Bradley R. Pieters, MD
Academic Medical Center | Amsterdam, Netherlands
Speakers:  Long Term Morbidity
Stefan Machtens, MD
MarienKrankenhaus | Bergisch-Gladbach, Germany
High Dose Rate Brachytherapy
C. Leland Rogers, MD
Virginia Commonwealth University | Richmond, VA
Patterns of Recurrence After Brachytherapy
Richard G. Stock, MD
Mount Sinai Medical Center | New York, NY
Long-Term Outcomes with Low-Dose Rate Brachytherapy
Michael J. Zelefsky, MD
Memorial Sloan-Kettering Cancer Center | New York, NY
8:00 am – 9:00 am  
**Self-Assessment Module Credit Course**

**Physics Session I: Registry for Model Based Dose Calculation Algorithms | Yosemite A/B/C**

*In Honor of Jean Pouliot*

**Moderators:** Facundo Ballester, PhD  
University of Valencia | Valencia, Spain  
Firas Mourtada, PhD, DABR, FAAPM  
Christiana Care Health System | Newark, DE

**Speakers:** Luc Beaulieu, PhD  
Hotel-Dieu De Quebec, CHUQ | Quebec City, QC, Canada  
Mark J. Rivard, PhD, FAAPM  
Tufts University School of Medicine | Boston, MA  
Ron S. Sloboda, PhD, FCCM  
University of Alberta | Edmonton, AB, Canada  
Javier Vijande, PhD  
University of Valencia | Burjassot, Spain

9:00 am – 10:15 am  
**GYN Session I: New ICRU Recommendations for Intracavitary Brachytherapy and Discussions on Dose Prescription | Grand Ballroom A**

**Moderators:** Ann Klopp, MD, PhD  
MD Anderson Cancer Center | Houston, TX  
Tatsuya Ohno, MD, PhD  
Gunma University | Gumma, Japan

**Speakers:** *ICRU Recommendations for Dose and Volume Reporting: Introduction to the New ICRU Report*  
Christian Kirisits, ScD  
University of Vienna | Vienna, Austria  
*ICRU Recommendations for Assessment of GTV, CTV and OARs, Concepts and Terms: Introduction to the New ICRU Report*  
Richard Pötter, MD  
Medical University of Vienna/Vienna General Hospital | Vienna, Austria  
*Evidence Based Approach for Dose Prescription: Evidence for Dose Effects for Targets, OARs and the Implications for Dose Prescription in IGABT*  
Kari Tanderup, PhD  
Aarhus University Hospital | Aarhus, Denmark

9:00 am – 10:15 am  
**Scientific Session: Prostate Proffered Papers I | Imperial Ballroom A/B**

**Moderators:** Peter J. Hoskin, MD  
Mount Vernon Center for Cancer Treatment | Northwood, United Kingdom  
Bradley R. Prestidge, MD, MS  
DePaul Medical Center | Norfolk, VA
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>9:00 am – 10:15 am</td>
<td>**Physics Session II: Cutting Edge Techniques in Brachytherapy</td>
<td>Yosemite A/B/C</td>
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<tr>
<td></td>
<td><strong>Moderators:</strong> Astrid de Leeuw, PhD University Medical Center Utrecht</td>
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<td>Joanna E. Cygler, PhD, FCCPM, FAAPM, FCOMP The Ottawa Hospital Regional Cancer Centre</td>
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<td></td>
<td><strong>Speakers:</strong> Focal Therapy Peter J. Bownes, BSc, MSc St. James University Hospital</td>
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<td></td>
<td>Joanna E. Cygler, PhD, FCCPM, FAAPM, FCOMP The Ottawa Hospital Regional Cancer Centre</td>
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<td>Image Registration Jamema V. Swamidas, M.Sc, Dip. R.P. Tata Memorial Hospital</td>
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<td>Dorin A. Todor, PhD Virginia Commonwealth University Health System</td>
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<td><strong>Integral Doses</strong> Marco Zaider, PhD Memorial Sloan-Kettering Cancer Center</td>
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<td>10:15 am – 10:30 am</td>
<td><strong>REFRESHMENT BREAK</strong></td>
<td>Grand Ballroom B</td>
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<td>Sponsored by: CivaTech</td>
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<tr>
<td>10:30 am – 11:10 am</td>
<td><strong>Presidential Symposium: Global Issues in Brachytherapy</strong></td>
<td>Grand Ballroom A</td>
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<td>11:10 am – 11:30 am</td>
<td><strong>Presidential Address</strong></td>
<td>Grand Ballroom A</td>
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<td>David K. Gaffney, MD, PhD University of Utah Salt Lake City</td>
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<tr>
<td>11:30 am – 12:00 pm</td>
<td><strong>Presentation of the ABS Ulrich Henschke Award</strong></td>
<td>Grand Ballroom A</td>
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<td>(No CME Credit Offered)</td>
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<tr>
<td>12:00 pm – 1:00 pm</td>
<td><strong>RESIDENT LUNCHEON</strong></td>
<td>Plaza A/B</td>
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<td>(Residents Only)</td>
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</tbody>
</table>
1:00 pm – 2:30 pm **GYN Session II: Transition from 2D to 3D Brachytherapy** | Grand Ballroom A

**Moderators:**
- Mitchell Kamrava, MD  
  UCLA | Los Angeles, CA  
- Fu-Quan Zhang, MD  
  Peking Union Medical College Hospital | Beijing, China

**Speakers:**
- **How and Why to Start Brachytherapy in a Developing World?**  
  Surbhi Grover, MD  
  University of Pennsylvania | Philadelphia, PA

- **How Best to Transition from 2D to 3D Brachytherapy**  
  Yeon-Joo Kim, MD  
  National Cancer Center | Goyang-si Gyeonggi-do, South Korea

- **What Technique Should be used for 3D Brachytherapy in a Developing World**  
  Umesh Mahantshetty, DMRT, MD, DNB  
  Tata Memorial Hospital | Mumbai, India

- **What is the Optimal HDR Fractionation for Cervical Brachytherapy?**  
  Celia Viegas, MD, PhD  
  Brazilian National Cancer Institute | Rio de Janeiro, Brazil

1:00 pm – 2:30 pm **Scientific Session: Physics Snap Orals** | Imperial Ballroom A/B

**Moderators:**
- Dimos Baltas, PhD  
  University Medical Centre Freiburg | Freiburg, Germany  
- Mark J. Rivard, PhD, FAAPM  
  Tufts University School of Medicine | Boston, MA

1:00 pm – 2:30 pm **Head & Neck Session I: What Did We Learn on the Way from Radium to Intensity Modulated HDR Brachytherapy (IMBT) in Head & Neck Cancer?** | Yosemite A/B/C

**Moderator:**
- György Kovács, MD, PhD  
  University of Lübeck | Lübeck, Germany

**Speakers:**
- **Technology Versus Outcome**  
  György Kovács, MD, PhD  
  University of Lübeck | Lübeck, Germany

- **Perioperative Brachytherapy**  
  Mauricio Cambeiro, MD  
  Clinica Universidad De Navarra | Pamplona, Spain

- **Combination of EBRT + BT**  
  Nancy Y. Lee, MD  
  Memorial Sloan-Kettering Cancer Center | New York, NY

- **Oral Cavity Cancers**  
  Yoshioka Yasuo, MD, PhD  
  Osaka University Graduate School of Medicine | Osaka, Japan

- **Oropharynx Cancers**  
  Kenneth S. Hu, MD  
  New York University Langone Cancer Center | New York, NY

- **Brachytherapy of the Neck**  
  Ashwini N. Budrukkar, MD, DNB  
  Tata Memorial Hospital | Mumbai, India
1:00 pm – 2:30 pm  **Physics Hands on Treatment Planning Workshop | Part I**  
*Laptop providers:* [Elekta](https://www.elekta.com) | [Varian Medical Systems](https://www.varianinc.com)

*Moderators:*  
**HDR Prostate | Franciscan A/B**  
Dimos Baltas, PhD  
University Medical Centre Freiburg | Freiburg, Germany  
Peter J. Bownes, BSc, MSc  
St. James University Hospital | Leeds, United Kingdom  
Sang-June Park, PhD, DABR  
University of California Los Angeles | Los Angeles, CA

**LDR Prostate | Franciscan C**  
William S. Bice, PhD  
John Muir Health Systems | Walnut Creek, CA  
Wayne M. Butler, PhD  
Schiffler Cancer Center/Wheeling Hospital | Wheeling, WV  
Gil’ad N. Cohen, MS  
Memorial Sloan-Kettering Cancer Center | New York, NY

2:30 pm – 3:30 pm  **Remembering our Friend Peter Grimm: How the Seeds of Curiosity and Collaborations Changed an Industry | Grand Ballroom A**  
*In Memoriam Tribute Given By:*  
John C. Blasko, MD  
Past President, ABS

2:30 pm – 3:30 pm  **Scientific Session: Physics Proffered Papers | Imperial Ballroom A/B**  
*Moderators:*  
Sam Beddar, PhD, DABR, CRE, FCCPM  
MD Anderson Cancer Center | Houston, TX  
Gustavo Kertzscher, PhD  
MD Anderson Cancer Center | Houston, TX

2:30 pm – 3:30 pm  **Skin Session I: Cutaneous Brachytherapy Applications and Techniques | Yosemite A/B/C**  
*Moderators:*  
Phillip M. Devlin, MD, FACR, FASTRO, FFRCSI (Hon)  
Dana Farber Cancer Institute/Harvard Medical School | Boston, MA  
Benjamin Guix, MD, PhD  
Institute IMOR, Medical Institute for Radiotherapy and Oncology  
University of Barcelona | Barcelona, Spain

*Speakers:*  
**Valencia and Leipzig Applicators**  
Ferran Guedea, MD, PhD  
Institut Català d’Oncologia | Barcelona, Spain  
**Electronically Generated Low Energy (ELS)**  
Ajay Bhatnagar, MD, MBA  
21st Century Oncology | Casa Grande, AZ  
**Complex Custom Applicators and Molds**  
Ivan Buzurovic, PhD  
Dana Farber Brigham Women’s Cancer Center | Boston, MA  
Phillip M. Devlin, MD, FACR, FASTRO, FFRCSI (Hon)  
Dana Farber Cancer Institute /Harvard Medical School | Boston, MA

3:30 pm – 4:00 pm  **REFRESHMENT BREAK | Grand Ballroom B**
4:00 pm – 6:00 pm **Scientific Session: Breast Proffered Papers** | Yosemite A/B/C  
Moderators: Vratislav Strnad, MD, PhD  
University Hospital Erlangen | Erlangen, Germany  
J. Ben Wilkinson, MD  
Willis-Knighton Medical Center | Shreveport, LA

4:00 pm – 6:00 pm **GI Session I: Looking Towards New Developments in GI Tract Brachytherapy** | Grand Ballroom A  
Moderators: Remi Nout, MD, PhD  
Leiden University Medical Center | Leiden, Netherlands  
Bradley R. Pieters, MD  
Academic Medical Center | Amsterdam, Netherlands  
Speakers:  
- Image Guided (CT/MR) HDR BT for Rectal Cancer (Pre-op and Definitive Treatment)  
  Té Vuong, MD, FRCP  
  Jewish General Hospital | Montreal, QC, Canada  
- Image Guided (CT/MR) Adaptive BT for Anal Cancer  
  Erik Van Limbergen, MD  
  University Hospital Gasthuisberg | Leuven, Belgium  
- HDR Anal Canal Brachytherapy  
  Jean-Michel Hannoun-Levi, MD  
  Centre Antoine Lacassagne | Nice, France  
- Applicator Development for Intraluminal Techniques, Role of Shielding  
  William Y. Song, PhD  
  Sunnybrook Health Sciences Centre | Toronto, ON Canada  
- Dose Escalation Using Contact Brachytherapy to Improve Organ Preservation in Rectal Cancer  
  Arthur Sun Myint, FRCP (Ed), DMRT, FFRCS, FICS  
  The Clatterbridge Cancer Centre | Merseyside, United Kingdom  
- Palliative HDR Brachytherapy for Rectal Cancer  
  Alexandra Stewart, DM, MRCP, FRCR  
  St Luke’s Cancer Centre, Royal Surrey County Hospital  
  Surrey, United Kingdom

4:00 pm – 6:00 pm **Contouring Workshops:**

<table>
<thead>
<tr>
<th>SPECIALTY</th>
<th>Workshop Moderator(s)</th>
<th>Anatomgy</th>
<th>Contouring</th>
<th>Circulators</th>
</tr>
</thead>
</table>
| **GYN**  | Beth Erickson, MD      | Beth Erickson, MD | **Cervix:**  
  - Beth Erickson, MD  
  - Lars Fekdai, PhD  
  - Richard Pütter, MD | **Unmesh Mahantshetty, MD**  
  **Joyti Mayadev, MD**  
  **Mitchell Kamrava, MD**  
  **Catheryn Yashar, MD** |
| Franciscan A/B |                  |          |            |            |
| **SKIN** | Phillip M. Devlin, MD |          |            |            |
| Franciscan D |                  |          |            |            |
| **PROSTATE** | Juanita Crook, MD  
  Carl Salembier, MD | Patrick McLaughlin, MD | **TRUS:**  
  - Gerard Morton, MD  
  **CT:**  
  - Juanita Crook, MD  
  **MRI:**  
  - Steven Frank, MD | **Brett Cox, MD**  
  **Brian Davis, MD**  
  **Mira Keyes, MD**  
  **Patrick McLaughlin, MD** |
| Franciscan C |                  |          |            |            |
| Beginner Users |                  |          |            |            |

6:00 pm – 7:00 pm **Welcome Reception & Poster Review with Exhibits** | Grand Ballroom B
Tuesday June 28, 2016

7:00 am – 5:45 pm  **REGISTRATION** | Yosemite Foyer

7:30 am – 5:00 pm  **COMMERCIAL EXHIBITS** | Grand Ballroom B

7:30 am – 8:00 am  **CONTINENTAL BREAKFAST** | Grand Ballroom B

7:55 am – 8:00 am  **Daily Recap** | Grand Ballroom A

Peter F. Orio, III, DO, MS
2016 World Congress of Brachytherapy Scientific Program Chair

8:00 am – 9:00 am  **Prostate Snap Orals** | Imperial Ballroom A/B

Moderators: Jeremy L. Millar, BSc, MB, ChB, FRANZCR
Alfred Health | Melbourne, Australia
Thomas J. Pugh, MD
MD Anderson Cancer Center | Houston, TX

8:00 am – 9:00 am  **GYN Session III: Techniques for Endometrium and Vagina** | Grand Ballroom A

Self-Assessment
Module Credit Course

Moderators: David K. Gaffney, MD, PhD
University of Utah | Salt Lake City, UT
Chonlakiet Khorprasert, MD
King Chulalongkorn Memorial Hospital | Bangkok, Thailand

Speakers: Techniques for Management of Vaginal Cancers/Vaginal Recurrences
Sushil Beriwal, MD
University of Pittsburgh | Pittsburgh, PA

How to Do Adjuvant Cuff Brachytherapy: Prescription Dose, Volume and Technique
Ann H. Klopp, MD, PhD
UT MD Anderson Cancer Center | Houston, TX

EBRT VS. BT Versus No RT: Indications for Adjuvant Radiotherapy in Early Stage Endometrium Cancer
Jyoti S. Mayadev, MD
University of California Davis | Sacramento, CA

8:00 am – 9:00 am  **Physics Session III: Risk Management in Brachytherapy** | Yosemite A/B/C

Moderators: Mark J. Rivard, PhD, FAAPM
Tufts University School of Medicine | Boston, MA
Kari Tanderup, PhD
Aarhus University Hospital | Aarhus, Denmark

Speakers: Derek W. Brown, PhD
University of California, San Diego | San Diego, CA
Frank-Andre Siebert, PhD
UK-SH, Campus Kiel/Clinic of Radiotherapy | Kiel, Germany
Bruce R. Thomadsen, PhD
University of Wisconsin-Madison | Madison, WI
9:00 am – 11:00 am  Physics Hands on Treatment Planning Workshop | Part II

Moderators: HDR Breast | Franciscan C
Ernest G. Butler, MS, CMD
Schiffler Cancer Center/Wheeling Hospital | Wheeling, WV
Tibor Major, PhD
National Institute of Oncology | Budapest, Hungary
Dorin A. Todor, PhD
Virginia Commonwealth University Health System | Richmond, VA

HDR GYN | Franciscan A/B
Antonio Damato, PhD
Dana-Farber Brigham and Women’s Cancer Care | Boston, MA
Daniel J. Scanderbeg, PhD
University of California San Diego Medical Center | San Diego, CA
Christian Kirisits, ScD
University of Vienna | Vienna, Austria

HDR Skin | Franciscan D
Facundo Ballester, PhD
University of Valencia | Valencia, Spain
Ivan Buzurovic, PhD
Dana-Farber Brigham Women’s Cancer Center | Boston, MA
Zoubir Ouhib, MS, DABR
Lynn Cancer Institute | Delray Beach, FL

9:00 am – 10:00 am  Prostate Session II: Prostate Brachytherapy: How do HDR and LDR Compare Radiobiologically? | Grand Ballroom A

Moderators: Peter J. Hoskin, MD
Mount Vernon Center for Cancer Treatment | Northwood, United Kingdom
Gerard C. Morton, MD
Sunnybrook Odette Cancer Centre | Toronto, ON, Canada

Speakers: Radiobiology of Prostate HDR
Peter J. Hoskin, MD
Mount Vernon Center for Cancer Treatment | Northwood, United Kingdom
Radiobiology of Prostate LDR Brachytherapy
Richard G. Stock, MD
Mount Sinai Medical Center | New York, NY
Radiobiology of Prostate Brachytherapy
Amato J. Giaccia, PhD
Stanford School of Medicine | Stanford, CA

9:00 am – 10:00 am  Scientific Session: GYN Proffered Papers I | Imperial Ballroom A/B

Moderator: Patricia J. Eifel, MD, FASTRO
MD Anderson Cancer Center | Houston, TX
Remi Nout, MD, PhD
Leiden University Medical Center | Leiden, Netherlands
<table>
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<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
<th>Moderators</th>
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</table>
| 10:00 am – 11:00 am | **Scientific Session: Prostate Proffered Papers II** | Grand Ballroom A | Peter Niehoff, MD  
University of Witten/Herdecke | Köln, Germany  
Paul L. Nguyen, MD  
Dana-Farber Cancer Institute/Harvard Cancer Center | Boston, MA |
| 10:00 am – 11:00 am | **Scientific Session: Breast Snap Orals** | Imperial Ballroom A/B | Peter Y. Chen, MD, FACR  
William Beaumont Hospital | Royal Oak, MI  
Jose Luis Guinot, MD  
University Hospital | Valencia, Spain |
| 11:00 am – 11:15 am | REFRESHMENT BREAK | Grand Ballroom B |    |
| 11:15 am – 12:15 pm | **Keynote Address:**  
Global Health — Challenges of Cancer and Radiotherapy | Grand Ballroom A | Mary K. Gospodarowicz, MD, FRCPC, FRCR (Hon)  
Immediate-Past President of the Union for International Cancer Control |
| 12:15 pm – 1:15 pm | **ABS Members Lunch and Annual Business Meeting** | Plaza A/B | (Event for ABS Members Only)  
Sponsored by: TheraGenics Corporation |
| 1:15 pm – 2:15 pm | **Plenary Session: Top Four Abstracts** | Grand Ballroom A | Judith Stitt Awards  
Sponsored by: Elekta  
**GYN:** Image Guided Brachytherapy in Cervical Cancer: A Comparison between Intracavitary and Combined Intracavitary/Interstitial Brachytherapy in Regard to Doses to HR CTV, OARs and Late Morbidity — Early Results from the Embrace Study in 999 Patients  
Speaker: Israël Fortin, MD, MSc  
Discussant: Sushil Beriwal, MD |
|               | **PHYSICS:** Low-Energy Brachytherapy Sources for Pelvic Sidewall Treatment |       | Speaker: Mark J. Rivard, PhD  
Discussant: Wayne M. Butler, PhD |
|               | **PROSTATE:** Improved Survival with Brachytherapy as a Component of Definitive Therapy for Favorable High-Risk Prostate Cancer |       | Speaker: Matthew W. Jackson, MD  
Discussant: Bradley R. Prestidge, MD, MS |
|               | **BREAST:** Accelerated Partial Breast Irradiation (APBI) Using Sole Interstitial Multicatheter Brachytherapy — GEC-ESTRO Phase III Non-Inferiority Trial: Subanalysis of 5-Year Results Reflecting Current GEC-ESTRO and ASTRO Recommendations for Patient Selection |       | Speaker: Vratislav Strnad, MD  
Discussant: Douglas W. Arthur, MD |
| 2:15 pm – 2:45 pm | **Marie-Curie Gold Medal GEC-ESTRO Presentation** | Grand Ballroom A | (No CME Credit Offered) |
2:45 pm – 3:45 pm  **Prostate Session III: MRI for Post-Treatment Assessment and Diagnosis with a Rising PSA**  | Grand Ballroom A

**Moderators:**
- Steven J. Frank, MD  
  MD Anderson Cancer Center | Houston, TX
- Cynthia Ménard, MD, FRCP(C)  
  CHUM—Hôpital Notre-Dame—Pavillon Lachapelle  
  Montreal, QC, Canada

**Speakers:**
- Aradhana M. Venkatesan, MD  
  MD Anderson Cancer Center | Houston, TX
- Marco van Vulpen, MD, PhD  
  University Medical Center Utrecht | Utrecht, Netherlands
- Jihong Wang, PhD  
  MD Anderson Cancer Center | Houston, TX

2:45 pm – 3:45 pm  **Breast Session II: Reirradiation, Augmentation and Toxicities**  | Yosemite A/B

**Moderators:**
- Jean-Michel Hannoun-Levi, MD  
  Centre Antoine Lacassagne | Nice, France
- Catheryn M. Yashar, MD  
  University of California, San Diego | La Jolla, CA

**Reirradiation**

**Speakers:**
- **Patient Selection**  
  Kristina Löessl, MD  
  University Clinic for Radiation Oncology, Inselspital | Bern, Switzerland
- **Risk, Toxicities, Dose Constraints**  
  Mark G. Trombetta, MD  
  Allegheny General Hospital | Pittsburgh, PA
- **Techniques, Long-Term Results**  
  Jean-Michel Hannoun-Levi, MD  
  Centre Antoine Lacassagne | Nice, France

**Speakers:**
- **Late Side Effects of APBI as a Function of Quality Assurance and Technique**  
  Elizabeth S. Bloom, MD  
  MD Anderson Cancer Center | Houston, TX
- **APBI in the Setting of Augmentation**  
  Robert R. Kuske, Jr., MD  
  Arizona Cancer Specialists | Phoenix, AZ

2:45 pm – 3:45 pm  **Scientific Session: Miscellaneous Snap Orals**  | Imperial Ballroom A/B

**Moderators:**
- Michele Albert, MD  
  Dana-Farber Brigham and Women’s Cancer Care | Boston, MA
- Sandra J. Sha, MD  
  Central Florida Cancer Institute | Orlando, FL

3:45 pm – 4:00 pm  **REFRESHMENT BREAK**  | Grand Ballroom B
4:00 pm – 6:00 pm  **Contouring Workshops:**

**SPECIALTY** | Workshop Moderator(s) | Anatomy | Contouring | Circulators
---|---|---|---|---
**GYN** Franciscan A/B | Beth Erickson, MD | Beth Erickson, MD | Vagina/Inoperable Endometrium: Catheryn Yashar, MD Akila Viswanathan, MD Sushil Beriwal, MD | Umesh Mahantshetty, MD Akila Viswanathan, MD Sushil Beriwal, MD
**SKIN** Franciscan D | Phillip M. Devlin, MD | Patrick McLaughlin, MD | TRUS: Gerard Morton, MD CT: Juanita Crook, MD MRI: Steven Frank, MD | Ivan Buzurovic, MD Ben Guix, MD Ines Guix, MD
**PROSTATE** Franciscan C Advanced Users | Alberto Bossi, MD Juanita Crook, MD | Patrick McLaughlin, MD | TRUS: Gerard Morton, MD CT: Juanita Crook, MD MRI: Steven Frank, MD | Brett Cox, MD Brian Davis, MD Mira Keyes, MD Patrick McLaughlin, MD

4:00 pm – 6:00 pm  **Scientific Session: Miscellaneous Proffered Papers I** | Yosemite A/B

**Moderators:** Ajay Bhatnagar, MD, MBA 21st Century Oncology | Casa Grande, AZ
Nathan H. J. Bittner, MD, MS Tacoma Valley Radiation Oncology Centers | Puyallup, WA

4:00 pm – 5:00 pm  **Breast Session III: Socioeconomic Aspects of APBI** | Imperial Ballroom A/B

**Moderators:** Erik Van Limbergen, MD, PhD University Hospital Gasthuisberg | Leuven, Belgium
Catheryn M. Yashar, MD University of California, San Diego | La Jolla, CA

**Speakers:** **APBI in a Developing World**
Douglas W. Arthur, MD Virginia Commonwealth University | Richmond, VA

**The Cost Efficacy of APBI Delivered by Brachytherapy in West Europe**
Peter Niehoff, MD University of Witten/Herdecke | Köln, Germany

**The Cost Efficacy of APBI Delivered by Brachytherapy in the US**
Chirag S. Shah, MD Summa Health System | Akron, OH

**APBI in Asia**
Jun Itami, MD National Cancer Center Hospital | Tokyo, Japan

**Demographic Data for Breast Cancer in the Elderly, Comorbidity Associated Factors, Use of AHT and Impacts on Utilization of Adjuvant RT**
Jean-Michel Hannoun-Levi, MD Centre Antoine Lacassagne | Nice, France

**Cost/Toxicities of Antiestrogen and 2 Day Trial, IORT, Hypofractionation**
Mitchell Kamrava, MD UCLA | Los Angeles, CA
### Tuesday (continued)

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>5:00 pm – 6:00 pm</td>
<td><strong>Miscellaneous Session I: Thoracic Brachytherapy</strong></td>
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### Wednesday June 29, 2016

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<tr>
<th>Time</th>
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<tr>
<td>7:00 am – 4:00 pm</td>
<td><strong>REGISTRATION</strong></td>
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### Wednesday (continued)

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<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>8:00 am – 9:00 am</td>
<td><strong>Miscellaneous Session II: Eye Plaques for Choroidal Melanoma</strong></td>
<td>Plaza A/B</td>
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<td></td>
<td><strong>Moderators:</strong> Jaroslaw T. Hepel, MD</td>
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<tr>
<td></td>
<td>Rhode Island Hospital/Brown University</td>
<td>Providence, RI</td>
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<td></td>
<td>Alexandra J. Stewart, DM, MRCP, FRCR</td>
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<td></td>
<td>St Luke's Cancer Centre, Royal Surrey County Hospital</td>
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<td>Surrey, United Kingdom</td>
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<td><strong>Speakers:</strong></td>
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<tr>
<td></td>
<td><strong>Patient Selection and Ophthalmologic Consideration for Treatment</strong></td>
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<td></td>
<td>Armin Afshar, MD</td>
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<td></td>
<td>UCSF</td>
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<td></td>
<td><strong>Radiation Consideration for Treatment and Outcomes</strong></td>
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<td>Jaganmohan Poli, MD</td>
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<td>Drexel University</td>
<td>Philadelphia, PA</td>
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<td></td>
<td><strong>Dosimetric Implications of Different Radionuclides and Plaque Geometries</strong></td>
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<td>Christopher S. Melhus, PhD</td>
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<td></td>
<td>Tufts Medical Center</td>
<td>Boston, MA</td>
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<tr>
<td>8:00 am – 9:00 am</td>
<td><strong>The Challenges That Health Care is Facing Now and Will Face in the Future</strong></td>
<td>Grand Ballroom A</td>
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<td><strong>Invited Speaker:</strong> Bernadette Loftus, MD</td>
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<td></td>
<td>The Permanente Medical Group</td>
<td>Rockville, MD</td>
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<td>9:00 am – 10:30 am</td>
<td><strong>The Role of Local Therapies in the Era of Active Surveillance</strong></td>
<td>Grand Ballroom A</td>
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<td><strong>Moderator:</strong> Richard K. Babayan, MD</td>
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<td>Boston University School of Medicine and Boston Medical Center</td>
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<td><strong>Speakers:</strong></td>
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<td></td>
<td>Juanita M. Crook, MD, FRCPC</td>
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<td></td>
<td>Cancer Center for the Southern Interior</td>
<td>Kelowna, BC, Canada</td>
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<td></td>
<td>Marissa A. Kollmeier, MD</td>
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<td></td>
<td>Memorial Sloan-Kettering Cancer Center</td>
<td>New York, NY</td>
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<td>Michael Leapman, MD</td>
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<td>University of California</td>
<td>San Francisco</td>
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<tr>
<td>10:30 am – 10:45 am</td>
<td><strong>REFRESHMENT BREAK</strong></td>
<td>Grand Ballroom B</td>
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<td>10:45 am – 12:15 pm</td>
<td><strong>Scientific Session: GYN Proffered Papers II</strong></td>
<td>Imperial Ballroom A/B</td>
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<td><strong>Moderators:</strong></td>
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<td></td>
<td>Karen Lim, MBBS</td>
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<td></td>
<td>Liverpool Hospital</td>
<td>Sydney, Australia</td>
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<tr>
<td></td>
<td>Li Tee Tan, MBBS, MRCP, FRCR, MD</td>
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<td></td>
<td>Addenbrooke Hospital</td>
<td>Cambridge, United Kingdom</td>
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</table>
10:45 am – 12:15 pm  **Breast Session IV: Current Techniques and Long Term Results of APBI Trials**  | Grand Ballroom A

**Moderators:**
- Vratislav Strnad, MD, PhD
  - University Hospital Erlangen | Erlangen, Germany
- David E. Wazer, MD, FACR, FASTRO
  - Tufts and Brown University | Boston, MA

**Speakers:**
- Results of Single Entry Devices Based Techniques
  - Douglas W. Arthur, MD
    - Virginia Commonwealth University | Richmond, VA
- Results of Phase III Trials Using EBRT and IORT
  - Veronica Dell’Acqua, MD
    - IEO Istituto Europeo di Oncologia | Milan, Italy
- Results of Non-invasive Brachytherapy
  - Jaroslav T. Hepel, MD
    - Brown University/Rhode Island Hospital | Providence, RI
- Results of Phase III Trials Using Multicatheter Brachytherapy
  - Csaba Polgár, MD, PhD, MSc
    - National Institute of Oncology | Budapest, Hungary

12:15 pm – 1:15 pm  **LUNCH**

(Attendees on their own)

1:15 pm – 2:45 pm  **GYN Session IV: Adaptive Brachytherapy in Cervix Cancer and Complications**  | Grand Ballroom A

**Moderators:**
- Karen Lim, MBBS
  - Liverpool Hospital | Sydney, Australia
- Kailash Narayan, MBBS, MD, PhD, FRANZCR
  - Peter MacCallum Cancer Center | East Melbourne, Australia

**Speakers:**
- Combined Intracavitary-Interstitial: When and How To Do It
  - Lars U. Fokdal, MD, PhD
    - Aarhus University Hospital | Aarhus, Denmark
- Ultrasound Based Conformal Brachytherapy for Cervix Cancer
  - Kailash Narayan, MBBS, MD, PhD, FRANZCR
    - Peter MacCallum Cancer Center | East Melbourne, Australia
- Management of GU and Vaginal Toxicity
  - Remi Nout, MD, PhD
    - Leiden University Medical Center | Leiden, Netherlands
- Management of GI Toxicity
  - Alexandra Taylor, MBBS, MRCP, FRCR, MD
    - Royal Marsden Hospital | United Kingdom
- Template Based Interstitial: When and How To Do It
  - Akila N. Viswanathan, MD, MPH
    - Dana-Farber Brigham and Women’s Cancer Center | Boston, MA

1:15 pm – 2:45 pm  **Scientific Session: Miscellaneous Proffered Papers II**  | Imperial Ballroom A/B

**Moderators:**
- Mitchell Kamrava, MD
  - UCLA | Los Angeles, CA
- Arthur Sun Myint, FRCP (Ed), DMRT, FFRCS, FRCR, FICS
  - The Clatterbridge Cancer Centre | Merseyside, United Kingdom
2:45 pm – 4:00 pm **Scientific Session: GYN Snap Orals** | Grand Ballroom A  
**Moderators:** Umesh Mahantshetty, DMRT, MD, DNB  
Tata Memorial Hospital | Mumbai, India  
Fuquan Zang, MD  
Peking Union Medical College Hospital | Beijing, China

2:45 pm – 4:00 pm **Scientific Session: Socioeconomic Proffered Papers** | Imperial Ballroom A/B  
**Moderators:** Peter J. Rossi, MD  
Emory University School of Medicine | Atlanta, GA  
Al V. Taira, MD  
Sutter Health | San Mateo, CA

4:00 pm **CONGRESS ADJOURNS**
HOTEL FLOOR PLAN

6TH FLOOR TOWER 3

4TH FLOOR TOWER 3

UNION SQUARE ROOMS

GRAND BALLROOM
"GB" LEVEL

"B" BALLROOM LEVEL

ESCALATORS AND STAIRS TO BALLROOM LEVELS

LOBBY LEVEL MEETING SPACE
Golden Gate, Urban Tavern, FedEx, Plaza A/B and Executive Conference Center (Saucier, Presidio, Sunset, Marina)

BALLROOM LEVEL MEETING SPACE
Continental, Imperial, Yosemite, Franciscan, Executive Boardroom

GRAND BALLROOM LEVEL
Grand Ballroom and Green Room

UNION SQUARE ROOMS (4TH FLOOR)
Rooms 1-25

SIXTH FLOOR MEETING ROOMS
Lombard, Mason, Powell, Sutter, Taylor, Van Ness

ACCESSIBLE FACILITIES
Accessible restrooms are located on the following levels: L (Lobby), B (Ballroom), M (Grand Ballroom, Mezzanine)

* Package Express located in Tower 3, Garage Level
* Pool located in Tower 3, 16th Floor
* Health Club located in Tower 1, Lower Level

HERB N' KITCHEN
## 2016 World Congress Ancillary Meetings

### Monday, June 27

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<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00 am</td>
<td><strong>ABS International Committee</strong></td>
<td>Union Square 23/24</td>
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<tr>
<td>12:00 pm</td>
<td><strong>Pro-Brachy</strong></td>
<td>Union Square 23/24</td>
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### Tuesday, June 28

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<th>Time</th>
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<tr>
<td>7:00 am</td>
<td><strong>ABS Physics Committee</strong></td>
<td>Union Square 23/24</td>
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<tr>
<td>12:15 pm</td>
<td><strong>AAPM/ESTRO/ABG Working Group</strong></td>
<td>Union Square 23/24</td>
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<td>4:00 pm</td>
<td><strong>In-Vivo Dosimetry</strong></td>
<td>Plaza B</td>
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<td>6:00 pm</td>
<td><strong>ABS Patient Safety Committee</strong></td>
<td>Union Square 23/24</td>
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### Wednesday, June 29

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<tr>
<td>8:00 am</td>
<td><strong>International GYN</strong></td>
<td>Franciscan A/B</td>
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## Thank You to Our 2016 World Congress & ABS Sponsors

- **2016 Ulrich Henschke Award**
- **2016 LDR Brachytherapy Scholarship Program**
- **Monday Morning Coffee Break**
- **2016 HDR Brachytherapy Scholarship Program**
- **Residents’ Luncheon**
- **2016 Resident Travel Grants**
- **ABS Membership Luncheon**
- **2016 LDR Prostate Brachytherapy Scholarship**
- **Laptop Computers for Contouring Sessions**
- **2016 HDR Brachytherapy Scholarship Programs**

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**ISOAID**

2016 LDR Prostate Brachytherapy Scholarship

**ONCURA**

Residents’ Luncheon
2016 Resident Travel Grants

**THERAGENICS CORPORATION**

ABS Membership Luncheon
2016 LDR Prostate Brachytherapy Scholarship

**VARIAN medical systems**

Laptop Computers for Contouring Sessions
2016 HDR Brachytherapy Scholarship Programs
Future ABS Meetings

**November 14–15, 2016**  
Breast School  
Westin Chicago River North  
Chicago, Illinois

**April 20–22, 2017**  
Annual Conference  
Seaport Hotel  
Boston, Massachusetts

**February 24–25, 2017**  
Prostate School  
Hyatt Regency Pier 66  
Ft. Lauderdale, Florida

**February 23–24, 2018**  
GYN School  
Hyatt Regency Pier 66  
Ft. Lauderdale, Florida