

ABS 2017 ANNUAL MEETING

APRIL 20-22

THE **VALUE OF BRACHYTHERAPY**
IN
**MULTIDISCIPLINARY
CANCER CARE**

SEAPORT HOTEL & WORLD TRADE CENTER | BOSTON, MA



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2017 Annual Meeting 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 techniques 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.
8. Understand new imaging modalities and how this can impact brachytherapy.



Accreditation and Credit Statement: This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of PeerPoint Medical Education Institute and the American Brachytherapy Society. The PeerPoint Medical Education Institute is accredited by the ACCME to provide continuing medical education for physicians.

PeerPoint Medical Education Institute designates the live format for this educational activity for a maximum of **19.25 AMA PRA Category 1 Credits™**. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Course is approved by the Commission on Accreditation of Medical Physicists Education programs (CAMPEP) of **45.25 Category A** continuing education credits. Course 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.

2017 Ulrich Henschke Award

Presented to: **Juanita M. Crook, MD, FRCPC**



Dr. Crook completed her training in Radiation Oncology at the Princess Margaret Hospital in 1985. Brachytherapy was not a big part of Radiotherapy training programs in the 1980's; in fact, apart from gynecologic sites, it was almost non-existent. Following her Canadian Royal College Exams, she

sought to diversify her training with a Fellowship and believed that a European experience, particularly one in France, would offer a different spectrum of techniques and approaches. Six months with Professor Jean Claude Horiot in Dijon, and 6 months with Professor Bernard Pierquin in Creteil determined the path of the rest of her career. Brachytherapy was integral to the treatment of many tumour sites in France, not just cervical and endometrial cancer, but also head and neck sites including oral tongue, base of tongue, and floor of mouth. She visited Mme Monique Pernot and learned her technique for tonsil and soft palate brachytherapy, and Professor Jean Papillon for his expertise in anal canal treatment. She saw her first penile brachytherapy and breast brachytherapy. She was bitten with the brachy bug and determined to bring these techniques home with her.

She returned to Canada to the Ottawa Regional Cancer Center, which luckily had its own Special Procedures Unit, perfect for a Brachytherapy Suite. With the support of a keen physics staff led by Dr. Joanna Cygler, programs were commenced in head and neck, skin, and penile brachytherapy, all using

manually afterloaded Iridium wire. This was a good start but prostate cancer was on the rise due to screening, and it was time to develop a brachytherapy program for prostate cancer.

So she moved to Toronto in 1998 to start an LDR Prostate Brachytherapy program at her old alma mater, Princess Margaret Hospital. Mentored from Seattle by Drs John Blasko, Peter Grimm and John Sylvester, the program took off. Her focus was on Quality Assurance and teaching, but 10 years and 1000 implants later, it was time to branch out again. She left her Professorship at University of Toronto and moved to British Columbia.

Now a Professor at UBC and practicing in Kelowna in the Okanagan Valley, she is again blessed with keen and supportive physicists. With their help, Kelowna now has wide ranging programs in both LDR and HDR brachytherapy. Mentoring and quality remain her foremost goals. Teaching Fellows, ABS Scholars, ABS Workshops and Schools all compete with her time in the OR, which is of course the reason the rest exists! Along the way she attracted the attention of the ABS, serving for 6 years on the Board of Directors, culminating in her Presidency in 2011, and receiving the Thom Shanahan Distinguished Brachytherapy Educator Award in 2015.

On the personal level, she is very proud of her 2 children, Martin, an engineering physicist, and Eleanor who is studying Clinical Psychology. With her husband Dr Robert MacMillan, she enjoys running, road biking, cycle touring, cross country skiing, canoe tripping and hiking, and occasionally she finds time to paint.

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Saint Louis, MO



ABS Inaugural Class of Fellows

The Board of Directors of the American Brachytherapy Society congratulates the inaugural Class of ABS Fellows (FABS). This is a significant designation bestowed by the ABS, and is a tribute to the following recipients for their contributions and accomplishments in the field of brachytherapy.

Douglas W. Arthur, MD

Juanita M. Crook, MD, FRCPC

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Beth A. Erickson, FACR, FASTRO

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ABS Resident Travel Grant Recipients

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Prashant Gabani, MD

Washington University School of Medicine

Long-Term Outcomes of Accelerated Partial Breast Irradiation via Multi-Catheter Interstitial HDR Brachytherapy

Scott M. Glaser, MD

University of Pittsburgh

Image Based Brachytherapy with MRI-Based Planning in the Treatment of Cervical Cancer: A Single Institution Outcome Analysis of 220 Patients

John V. Hedge, MD

UCLA Medical Center

Pre-Treatment MRI Staging Predicts for Biochemical Failure in High-Risk Prostate Cancer Treated with Combination High-Dose-Rate Brachytherapy and External Beam Radiotherapy

Raymond Mailhot, MD, MPH

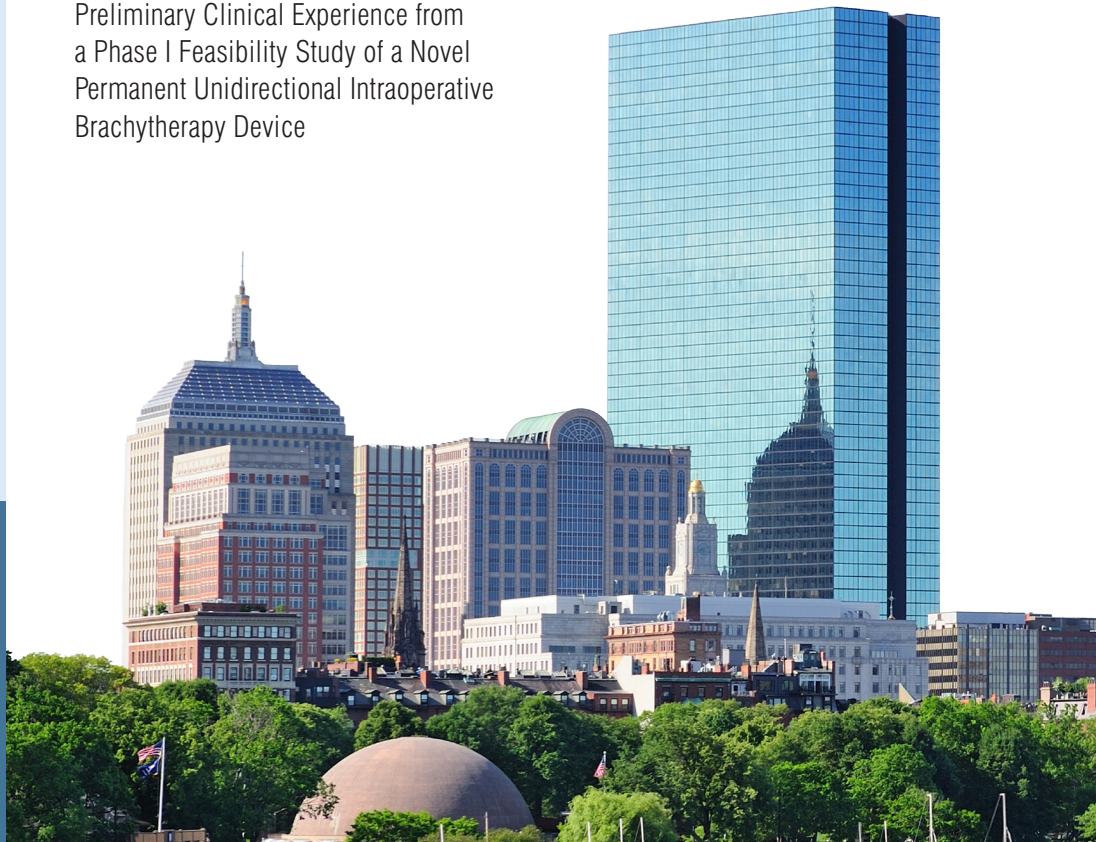
New York University Langone Medical Center

Factors Associated with Willingness to Invest in a New HDR Isotope

Neil K. Taunk, MD

Memorial Sloan-Kettering Cancer Center

Preliminary Clinical Experience from a Phase I Feasibility Study of a Novel Permanent Unidirectional Intraoperative Brachytherapy Device



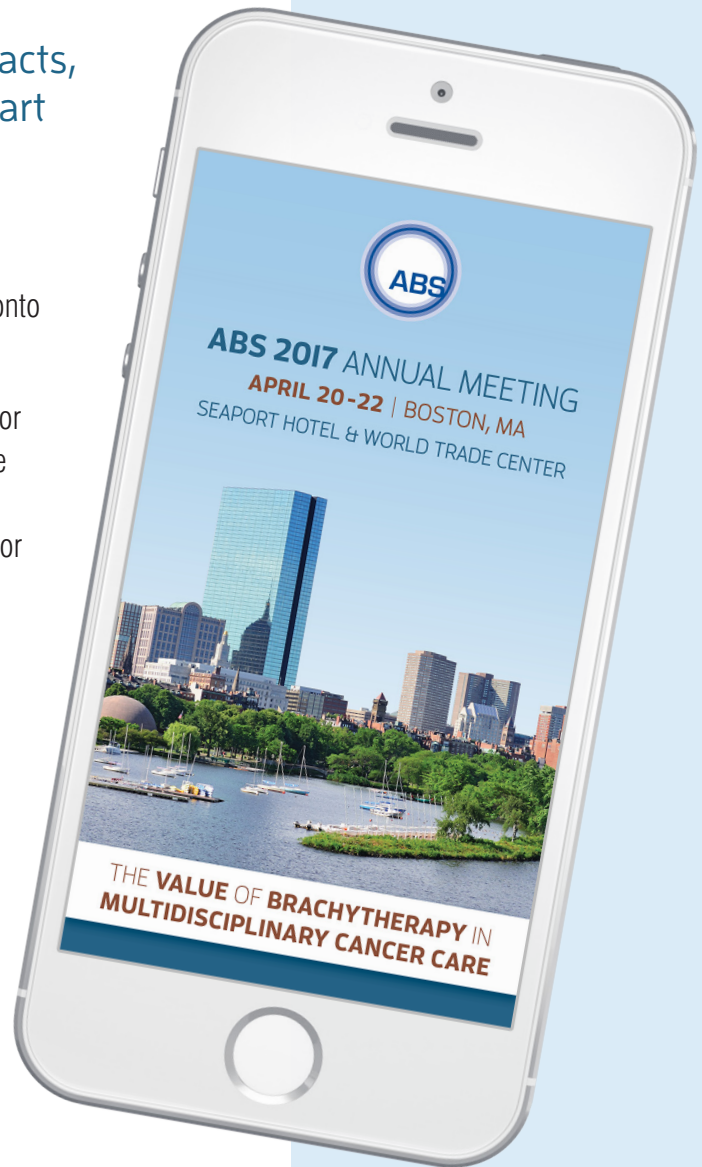
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ABS 2017 Annual Meeting Agenda





THURSDAY APRIL 20, 2017

7:00 am – 5:30 pm	Registration	<i>Atrium Lobby</i>
7:30 am – 8:00 am	Continental Breakfast	<i>Salon A/B/C</i>
7:30 am – 7:00 pm	Commercial Exhibits	<i>Salon A/B/C</i>
7:55 am – 8:00 am	Welcome	<i>Salon D/E</i>
8:00 am – 9:00 am	<p>SELF-ASSESSMENT MODULE CREDIT COURSE Prostate Session I: Efficacy of LDR & HDR Prostate Brachytherapy: Low to High Risk Disease</p> <p>Moderator: Steven J. Frank, MD MD Anderson Cancer Center Houston, TX</p> <p>Speakers: Summary of Phase II/III Data Thomas J. Pugh, MD UC Denver Aurora, CO</p> <p>Minimization of Toxicities & Advance Imaging & Targeting Steven J. Frank, MD MD Anderson Cancer Center Houston, TX</p> <p>The Role of PB & ADT in 2017 Mira Keyes, MD, FRCPC BC Cancer Agency Vancouver, BC</p>	<i>Salon D/E</i>
8:00 am – 9:00 am	<p>Scientific Session: GYN Proffered Papers</p> <p>Moderators: Mohamed A. Elshaikh, MD Henry Ford Hospital Detroit, MI</p> <p>Anamaria Yeung, MD University of Florida College of Medicine Gainesville, FL</p>	<i>Amphitheater</i>


<p>9:00 am – 10:00 am</p> <p>Moderators:</p>	<p>Scientific Session: Prostate Proffered Papers I</p> <p>Gerard C. Morton, MD Sunnybrook Odette Cancer Centre Toronto, ON</p> <p>Bradley R. Prestidge, MD, MS Bon Secours Cancer Institute Virginia Beach, VA</p>	<p>Salon D/E</p>
<p>9:00 am – 10:00 am</p> <p>Moderator:</p> <p>Speakers:</p>	<p>SELF-ASSESSMENT MODULE CREDIT COURSE GYN Session I: Vaginal Brachytherapy in Endometrial Cancer: Refining the Indications & Defining the Target</p> <p>Anuja Jhingran, MD MD Anderson Cancer Center Houston, TX</p> <p>Combinations with Chemotherapy Jonathan Feddock, MD University of Kentucky Lexington, KY</p> <p>Dose and Technique Larissa J. Lee, MD Dana-Farber/Brigham and Women’s Cancer Center Boston, MA</p> <p>Guidelines on Recurrent Endometrial Cancer Mitch Kamrava, MD Cedars-Sinai Medical Center Los Angeles, CA</p>	<p>Amphitheater</p>
<p>10:00 am – 10:30 am Refreshment Break Salon A/B/C</p>		
<p>10:30 am – 11:30 am</p> <p>Moderator:</p> <p>Speakers:</p>	<p>SELF-ASSESSMENT MODULE CREDIT COURSE Skin Session I: Multi-Disciplinary Care of Skin Cancer</p> <p>Ajay Bhatnagar, MD, MBA 21st Century Oncology Chandler, AZ</p> <p>Zoubir Ouhib, MS, DABR Lynn Cancer Institute Boca Raton, FL</p> <p>Parag R. Sanghvi, MD, MSPH University of California San Diego La Jolla, CA</p>	<p>Salon D/E</p>
<p>10:30 am – 11:30 am</p> <p>Moderator:</p> <p>Speakers:</p>	<p>SELF-ASSESSMENT MODULE CREDIT COURSE Breast Session I: Novel Applications of Breast Brachytherapy</p> <p>Jaroslav T. Hepel, MD Rhode Island Hospital/Brown University Providence, RI</p> <p>New Catheters Bethany M. Anderson, MD University of Wisconsin Hospitals & Clinics Madison, WI</p> <p>Intraoperative Usage of Catheters Sean Park, MD, PhD Mayo Clinic Rochester, MN</p>	<p>Amphitheater</p>

session continued on following page


<p>Speakers: <i>(continued)</i></p>	<p>Non-invasive Image-guided Breast Brachytherapy (NIBB) Kara L. Leonard, MD Rhode Island Hospital Providence, RI</p> <p>Hypofractionated APBI Atif Khan, MD Rutgers Cancer Institute of New Jersey New Brunswick, NJ</p>
<p>11:30 am-12:30 pm Sponsored by:</p>	<p>Resident Luncheon (Residents Only) Skyline</p> <p>THERAGENICS CORPORATION®</p>
<p>11:30 am-12:30 pm Sponsored by:</p>	<p>Lunch Symposium: Brachytherapy in the Era of Value-Based Care Lighthouse</p> <p></p>
<p>11:30 am-12:30 pm Sponsored by:</p>	<p>Lunch Symposium: Advances in Radiation Therapy (ART) Cityview 2</p> <p>This lunch symposium covers the History and Current Advances of Brachytherapy, Gamma Beam, X Beam, Proton, Helium and Carbon Heavy Ion Particle Therapy, including advances in Ultrasound diagnostic Technology.</p> <p></p>
<p>12:30 pm – 1:30 pm</p> <p>Moderators:</p> <p>Speakers:</p>	<p>Physics Session I: Workflow Optimization to Increase The Value of Brachytherapy Amphitheater</p> <p>Adam M. Cunha, PhD UCSF Comprehensive Cancer Center San Francisco, CA</p> <p>Daniel J. Scanderbeg, PhD University of California San Diego San Diego, CA</p> <p>Executing an Efficient HDR Brachytherapy Workflow That Incorporates a Wide Range of Disease Sites Albert J. Chang, MD, PhD University of California San Francisco San Francisco, CA</p> <p>Making Brachytherapy Great Again: A Bipartisan Approach to Brachytherapy Workflow Optimization Daniel J. Scanderbeg, PhD University of California San Diego San Diego, CA</p> <p>Process Improvement for the Safe Delivery of Multidisciplinary-Executed Treatments: A Case in Y-90 Microspheres Therapy Jacqueline E. Zoberi, PhD Washington University School of Medicine Saint Louis, MO</p>

<p>12:30 pm – 2:00 pm</p> <p>Moderator:</p> <p>Speakers:</p>	<p>SELF-ASSESSMENT MODULE CREDIT COURSE Miscellaneous Session I: Immunotherapy and Brachytherapy</p> <p>Chandan Guha, MD, PhD Montefiore Medical Center Bronx, NY</p> <p>Immunotherapy: Overview Sean Park, MD, PhD Mayo Clinic Rochester, MN</p> <p>Immunotherapy and RT Clinical Trials Zach Morris, MD University of Wisconsin Madison Madison, WI</p> <p>Immunotherapy and Brachytherapy: Opportunities Ahead in HDR/PDR/LDR Stephanie Markovina, MD, PhD Washington University in St. Louis Saint Louis, MN</p> <p>Incorporating Immune Responses into Radiobiology Models Firas Mourtada, PhD, DABR, FAAPM Christiana Care Health System Newark, DE</p>	<p>Salon D/E</p>
<p>1:30 pm – 2:30 pm</p> <p>Moderators:</p> <p>Speakers:</p>	<p>SELF-ASSESSMENT MODULE CREDIT COURSE Physics Session II: Image Verification During Treatment Delivery & Catheter Tracking for Dose Verification</p> <p>Luc Beaulieu, PhD Hotel-Dieu De Quebec, CHUQ Quebec City, QC</p> <p>Antonio Damato, PhD Memorial Sloan-Kettering New York, NY</p> <p>Treatment Verification in Brachytherapy Antonio Damato, PhD Memorial Sloan Kettering New York, NY</p> <p>Image Verification I: 2D Imaging, CBCT and CT at the Time of Treatment Dorin Todor, PhD Virginia Commonwealth University Health System Richmond, VA</p> <p>Image Verification II: Use of MR in Conjunction with Brachytherapy Treatments Cynthia Menard, MD CHUM - Hôpital Notre-Dame - Pavillon Lachapelle Montreal, QC</p> <p>Tracking for Treatment Verification Luc Beaulieu, PhD Hotel-Dieu De Quebec, CHUQ Quebec City, QC</p>	<p>Amphitheater</p>
<p>2:00 pm – 3:30 pm</p> <p>Moderator:</p>	<p>Miscellaneous Session II: MRI Brachytherapy: GYN & Prostate</p> <p>Kristin A. Bradley, MD University of Wisconsin Madison, WI</p>	<p>Salon D/E</p>

session continued on following page

<p>Speakers: <i>(continued)</i></p>	<p>MRI Pelvic Anatomy: GYN Aradhana M. Venkatesan, MD MD Anderson Cancer Center Houston, TX</p> <p>MRI Pelvic Anatomy: Prostate Clare C. Tempany, MD Harvard Medical School Boston, MA</p> <p>MRI Functional Anatomy Patrick W. McLaughlin, MD University of Michigan- Providence Cancer Center Novi, MI</p> <p>MRI Protocols and Sequences for Brachytherapy: Guidelines for Practitioners Starting MRI-Based Brachytherapy Rupak Das, PhD University of Wisconsin Madison, WI</p> <p>Improvement in Outcomes with MRI-Based Brachytherapy Kristin A. Bradley, MD University of Wisconsin Madison, WI</p> <p>Reduction in Toxicity with Image-Guided Brachytherapy Pranshu Mohindra, MD, MBBS, DABR University of Maryland Baltimore, MD</p>			
<p>2:30 pm – 3:30 pm</p> <p>Moderators:</p>	<p>Scientific Session: Physics Proffered Papers <i>Amphitheater</i></p> <p>Mark J. Rivard, PhD, FAAPM Tufts University School of Medicine Boston, MA</p> <p>Javier Vijande, MD University of Valencia Burjassot, Spain</p>			
<p>3:30 pm – 4:00 pm Refreshment Break <i>Salon A/B/C</i></p>				
<p>4:00 pm – 5:00 pm</p> <p>Moderators:</p>	<p>Scientific Session: Miscellaneous Proffered Papers <i>Salon D/E</i></p> <p>Donald Cannon, MD University of Utah Salt Lake City, UT</p> <p>Pranshu Mohindra, MD, MBBS, DABR University of Maryland Baltimore, MD</p>			
<p>4:00 pm – 6:00 pm</p> <p>GYN Contouring: Laptops provided by:</p> 	<p>Workshops <i>GYN: Harborview 2 Prostate: Harborview 1 Skin: Harborview3</i></p> <table border="0" style="width: 100%;"> <tr> <td style="vertical-align: top; width: 25%;"> <p>Workshop Moderators</p> <p>Sushil Beriwal, MD Catheryn Yashar, MD</p> </td> <td style="vertical-align: top; width: 25%;"> <p>Circulators</p> <p>Sushil Beriwal, MD Beth Erickson, MD Mitchell Kamrava, MD Joyti Mayadev, MD Akila Viswanathan, MD Catheryn Yashar, MD</p> </td> <td style="vertical-align: top; width: 25%;"> <p>Contouring (Vagina)</p> <p>Sushil Beriwal, MD Catheryn Yashar, MD</p> </td> </tr> </table>	<p>Workshop Moderators</p> <p>Sushil Beriwal, MD Catheryn Yashar, MD</p>	<p>Circulators</p> <p>Sushil Beriwal, MD Beth Erickson, MD Mitchell Kamrava, MD Joyti Mayadev, MD Akila Viswanathan, MD Catheryn Yashar, MD</p>	<p>Contouring (Vagina)</p> <p>Sushil Beriwal, MD Catheryn Yashar, MD</p>
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workshops continued on following page

<p>Prostate Contouring: Laptops provided by:</p> 	<p>Workshop Moderator Juanita Crook, MD</p>	<p>Circulators Brett Cox, MD Brian Davis, MD Matt Giles, MSc Mira Keyes, MD Peter Orio, III, DO Sara Rahnama, PhD Peter Rossi, MD</p>	<p>Contouring TRUS: Gerard Morton, MD CT: Juanita Crook, MD MRI: Patrick McLaughlin, MD</p>
	<p>Skin Workshop:</p>	<p>Workshop Moderator Phillip Devlin, MD</p>	<p>Circulators Michele Albert, MD Ajay Bhatnagar, MD Mandar Bhagwat, PhD Ivan Buzurovic, PhD</p>


5:00 pm – 6:00 pm	<p>Scientific Session: Physics Snap Orals</p>	Salon D/E
<p>Moderators:</p>	<p>Facundo Ballester, PhD University of Valencia Burjassot, Spain</p> <p>Christopher S. Melhus, PhD Tufts Medical Center Boston, MA</p>	

5:00 pm – 6:00 pm	<p>How to Publish a Paper: An Introductory Workshop</p>	Amphitheater
<p>Speakers:</p>	<p>Herb Niemirow Elsevier New York, NY</p> <p>Michael J. Zelefsky, MD Memorial Sloan-Kettering Cancer Center New York, NY</p>	

6:00 pm – 7:00 pm	<p>Welcome Reception & Poster Walk with Exhibits</p>	Salon A/B/C
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7:30 pm – 9:30 pm	<p>Varian Educational Reception</p> 	Plaza B/C Ballroom
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FRIDAY APRIL 21, 2017

7:00 am – 5:45 pm	<p>Registration</p>	Atrium Lobby
7:30 am – 8:00 am	<p>Continental Breakfast</p> <p>Sponsored by: </p>	Salon A/B/C
7:30 am – 5:00 pm	<p>Commercial Exhibits</p>	Salon A/B/C
7:55 am – 8:00 am	<p>Daily Recap</p>	Salon D/E

<p>8:00 am – 9:00 am</p> <p>Moderator:</p> <p>Speakers:</p>	<p>Prostate Session II: Comparing Outcomes Effectiveness Research (CER) in Prostate Cancer Care</p> <p>Peter F. Orio, III, DO, MS Dana-Farber/Brigham and Women’s Cancer Center Boston, MA</p> <p>The Right Fit – Pros/Cons of Surgery and Brachytherapy: A Urologist’s Perspective Adam S. Kibel, MD Dana-Farber/Brigham and Women’s Cancer Center Boston, MA</p> <p>Percentage of Surgical Patients Who Require Salvage RT, Cost and Toxicities Louis Potters, MD, FACR North Shore – Long Island Jewish Health System Lake Success, NY</p> <p>Active Surveillance in 2017 Martin G. Sanda, MD Emory University School of Medicine Atlanta, GA</p>	<p>Salon D/E</p>
<p>8:00 am – 9:00 am</p> <p>Moderators:</p> <p>Speakers:</p>	<p>SELF-ASSESSMENT MODULE CREDIT COURSE GYN Session II: The Next Generation of MR Guidance for Cervical Cancer Brachytherapy</p> <p>Sushil Beriwal, MD University of Pittsburgh Pittsburgh, PA</p> <p>Christine M. Fisher, MD, MPH University of Colorado Denver Aurora, CO</p> <p>Novel Imaging Approaches Jessica B. Robbins, MD University of Wisconsin Madison, WI</p> <p>Intraoperative Imaging Akila N. Viswanathan, MD, MPH Johns Hopkins Medicine Baltimore, MD</p> <p>Dose Constraints Junzo P. Chino, MD Duke University Medical Center Durham, NC</p>	<p>Amphitheater</p>
<p>9:00 am – 10:00 am</p> <p>Moderators:</p>	<p>Scientific Session: GYN Proffered Papers II</p> <p>Ann Klopp, MD, PhD MD Anderson Cancer Center Houston, TX</p> <p>Stephanie Markovina, MD, PhD Washington University in St. Louis Saint Louis, MO</p>	<p>Amphitheater</p>
<p>9:00 am – 10:00 am</p> <p>Moderator:</p>	<p>SELF-ASSESSMENT MODULE CREDIT COURSE Socioeconomic Session I: A Primer on Payment: Why Defining Value in Brachytherapy is All Relative</p> <p>Peter F. Orio, III, DO, MS Dana-Farber/Brigham and Women’s Cancer Center Boston, MA</p>	<p>Salon D/E</p>

session continued on following page


<p>Speakers: <i>(continued)</i></p>	<p>William Hartsell, MD, FACR, FACRO Northwestern Medicine, Chicago Proton Center Chicago, IL</p> <p>Michael Kuettel, MD, PhD, MBA Rosewell Park Cancer Institute Buffalo, NY</p>															
<p>10:00 am – 10:15 am</p>	<p>Refreshment Break <i>Salon A/B/C</i></p>															
<p>10:15 am – 10:45 am</p>	<p>Presidential Address <i>Salon D/E</i></p> <p>Steven J. Frank, MD President, ABS</p>															
<p>10:45 am – 11:00 am</p>	<p>ABS Induction of Inaugural Class of Fellows <i>Salon D/E</i></p> <p>ABS Fellows</p> <table border="0" style="width: 100%;"> <tr> <td>Douglas W. Arthur, MD</td> <td>Erick M. Horwitz, MD</td> <td>Bradley R. Prestidge, MD, MS</td> </tr> <tr> <td>Juanita M. Crook, MD, FRCPC</td> <td>W. Robert Lee, MD, MS, MEd</td> <td>Frank A. Vicini, MD, FACR</td> </tr> <tr> <td>Brian J. Davis, MD, PhD</td> <td>Alvaro A. Martinez, MD, FACR</td> <td>David E. Wazer, MD, FACR</td> </tr> <tr> <td>Beth A. Erickson, FACR, FASTRO</td> <td>Gregory S. Merrick, MD</td> <td></td> </tr> <tr> <td>Basil S. Hilaris, MD, FACRO, FACR</td> <td>Subir Nag, MD, FACR, FACRO</td> <td></td> </tr> </table>	Douglas W. Arthur, MD	Erick M. Horwitz, MD	Bradley R. Prestidge, MD, MS	Juanita M. Crook, MD, FRCPC	W. Robert Lee, MD, MS, MEd	Frank A. Vicini, MD, FACR	Brian J. Davis, MD, PhD	Alvaro A. Martinez, MD, FACR	David E. Wazer, MD, FACR	Beth A. Erickson, FACR, FASTRO	Gregory S. Merrick, MD		Basil S. Hilaris, MD, FACRO, FACR	Subir Nag, MD, FACR, FACRO	
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Basil S. Hilaris, MD, FACRO, FACR	Subir Nag, MD, FACR, FACRO															
<p>11:00 am – 12:00 pm</p>	<p>Keynote Address <i>Salon D/E</i></p> <p>Robert S. Kaplan Harvard Business School Boston, MA</p>															
<p>12:00 pm – 1:45 pm</p> <p>Sponsored by:</p>	<p>ABS Members Lunch & Annual Business Meeting <i>Cityview</i> (Event for ABS Members Only)</p> <p>THERAGENICS CORPORATION®</p>															
<p>1:45 pm – 3:00 pm</p> <p>Judith Stitt Awards Sponsored by:</p>	<p>Plenary Session: Top Four Abstracts <i>Salon D/E</i></p> <p></p>															
<p>3:00 pm – 3:30 pm</p> <p>Presented to:</p> <p>Sponsored by:</p>	<p>ABS Henschke Award (No CME credit offered) <i>Salon D/E</i></p> <p>Juanita M. Crook, MD, FRCPC</p> <p></p>															
<p>3:30 pm – 4:30 pm</p> <p>Moderators:</p>	<p>Scientific Session: Socioeconomic Proffered Papers <i>Amphitheater</i></p> <p>Jaroslav T. Hepel, MD Rhode Island Hospital/Brown University Providence, RI</p> <p>Martin King, MD Dana-Farber/Brigham and Women's Cancer Center Boston, MA</p>															

<p>3:30 pm – 4:30 pm</p> <p>Moderators:</p> <p>Speakers:</p>	<p>SELF-ASSESSMENT MODULE CREDIT COURSE Physics Session III: Value of MRI for Brachytherapy – From Simulation to Delivery</p> <p>Robert A. Cormack, PhD Brigham & Women’s Hospital Boston, MA</p> <p>Firas Mourtada, PhD, DABR, FAAPM Christiana Care Health System Newark, DE</p> <p>Workflows for the Integration of MRI into Gynecologic HDR Brachytherapy: A Practical Guide Antonio Damato, PhD Memorial Sloan-Kettering Cancer Center New York, NY</p> <p>Workflows for the Integration of MRI into Prostate HDR Brachytherapy: A Practical Guide Deidre Batchelar, PhD, FCCPM British Columbia Cancer Agency – Centre for Southern Interior Kelowna, BC</p> <p>A Pragmatic Approach to MRI Integration in the LDR Prostate Brachytherapy Workflow Pierre Blanchard, MD Proton Therapy Center Houston, TX</p>	<p>Salon D/E</p>									
<p>4:00 pm – 6:00 pm</p> <p>GYN Contouring: Laptops provided by:</p>  <p>Prostate Contouring: Laptops provided by:</p>  <p>Skin Workshop:</p>	<p>Workshops <i>GYN: Harborview 2 Prostate: Harborview 1 Skin: Harborview3</i></p> <table border="1"> <tr> <td data-bbox="409 970 787 1207"> <p>Workshop Moderators</p> <p>Beth Erickson, MD Akila Viswanathan, MD</p> </td> <td data-bbox="787 970 1144 1207"> <p>Circulators</p> <p>Sushil Beriwal, MD Mitchell Kamrava, MD Joyti Mayadev, MD Jason Rownd, MS Catheryn Yashar, MD</p> </td> <td data-bbox="1144 970 1529 1207"> <p>Contouring (Cervix)</p> <p>Beth Erickson, MD Akila Viswanathan, MD</p> </td> </tr> <tr> <td data-bbox="409 1207 787 1522"> <p>Workshop Moderator</p> <p>Juanita Crook, MD</p> </td> <td data-bbox="787 1207 1144 1522"> <p>Circulators</p> <p>Brett Cox, MD Brian Davis, MD Matt Giles, MSc Mira Keyes, MD Peter Orio, III, DO Sara Rahnema, PhD Peter Rossi, MD</p> </td> <td data-bbox="1144 1207 1529 1522"> <p>Contouring</p> <p>TRUS: Gerard Morton, MD CT: Juanita Crook, MD MRI: Patrick McLaughlin, MD</p> </td> </tr> <tr> <td data-bbox="409 1522 787 1732"> <p>Workshop Moderator</p> <p>Phillip Devlin, MD</p> </td> <td data-bbox="787 1522 1144 1732"> <p>Circulators</p> <p>Michele Albert, MD Ajay Bhatnagar, MD Mandar Bhagwat, PhD Ivan Buzurovic, PhD</p> </td> <td data-bbox="1144 1522 1529 1732"> <p>Thomas Harris, PhD Martin King, MD Desmond O’Farrell, MSc</p> </td> </tr> </table>	<p>Workshop Moderators</p> <p>Beth Erickson, MD Akila Viswanathan, MD</p>	<p>Circulators</p> <p>Sushil Beriwal, MD Mitchell Kamrava, MD Joyti Mayadev, MD Jason Rownd, MS Catheryn Yashar, MD</p>	<p>Contouring (Cervix)</p> <p>Beth Erickson, MD Akila Viswanathan, MD</p>	<p>Workshop Moderator</p> <p>Juanita Crook, MD</p>	<p>Circulators</p> <p>Brett Cox, MD Brian Davis, MD Matt Giles, MSc Mira Keyes, MD Peter Orio, III, DO Sara Rahnema, PhD Peter Rossi, MD</p>	<p>Contouring</p> <p>TRUS: Gerard Morton, MD CT: Juanita Crook, MD MRI: Patrick McLaughlin, MD</p>	<p>Workshop Moderator</p> <p>Phillip Devlin, MD</p>	<p>Circulators</p> <p>Michele Albert, MD Ajay Bhatnagar, MD Mandar Bhagwat, PhD Ivan Buzurovic, PhD</p>	<p>Thomas Harris, PhD Martin King, MD Desmond O’Farrell, MSc</p>	
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<p>4:30 pm – 4:45 pm</p>	<p>Refreshment Break</p>	<p>Salon A/B/C</p>									

4:45 pm – 5:45 pm	<p>SELF-ASSESSMENT MODULE CREDIT COURSE Medical Events and Patient Safety: Updates, Reporting, Prevention, & Lessons Learned</p> <p>Moderator: Zoubir Ouhib, MS, FACR, DABR Lynn Cancer Institute of Boca Raton Regional Hospital Boca Raton, FL</p> <p>Speakers: NRC Updates on Proposed Rules for Medical Event Katherine Tapp, PhD Nuclear Regulatory Commission Bethesda, MD</p> <p>Medical Event Reporting Zoubir Ouhib, MS, FACR, DABR Lynn Cancer Institute of Boca Raton Regional Hospital Boca Raton, FL</p> <p>Prevention of a Medical Event: The TGI00 Approach Bruce Thomadsen, PhD University of Wisconsin – Madison Madison, WI</p> <p>Improving Safety by Learning From Medical Events Timothy Showalter, MD University of Virginia Charlottesville, VA</p>	Salon D/E
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5:45 pm – 6:45 pm	<p>Scientific Session: Breast Snap Orals</p> <p>Moderators: Elizabeth S. Bloom, MD MD Anderson Cancer Center Houston, TX</p> <p>Chirag S. Shah, MD Cleveland Clinic Akron, OH</p>	Salon D/E
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5:45 pm – 6:45 pm	<p>Scientific Session: Miscellaneous Snap Orals</p> <p>Moderators: Michele Albert, MD Dana-Farber/Brigham and Women’s Cancer Care Boston, MA</p> <p>Bethany M. Anderson, MD University of Wisconsin Hospitals & Clinics Madison, WI</p>	Amphitheater
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6:45 pm – 8:30 pm	<p>Elekta Educational Reception</p> 	Flagship Ballroom
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SATURDAY APRIL 22, 2017

7:00 am – 5:00 pm	Registration	Atrium Lobby
7:30 am – 8:00 am	Continental Breakfast	Salon A/B/C
7:30 am – 11:00 am	Commercial Exhibits	Salon A/B/C
7:50 am – 8:00 am	Daily Recap	Salon D/E

<p>8:00 am – 9:00 am</p> <p>Moderator:</p> <p>Speakers:</p>	<p>Miscellaneous Session III: Sarcoma and Head & Neck Brachytherapy – Alive or Dead?</p> <p>D. Jeffrey Demanes, MD UCLA Los Angeles, CA</p> <p>Clinical Aspects of HDR Brachytherapy for Sarcomas Thomas F. DeLaney, MD Massachusetts General Hospital Boston, MA</p> <p>Physics of HDR Brachytherapy for Sarcomas Jacqueline E. Zoberi, PhD Washington University School of Medicine Saint Louis, MO</p> <p>Brachytherapy for Heat & Neck Cancers – Patient Selection, Clinical Aspects, Review of the ABS Task Group Report Louis B. Harrison, MD, FASTRO Moffitt Cancer Center Tampa, FL</p>	<p>Salon D/E</p>
<p>8:00 am – 9:00 am</p> <p>Moderators:</p> <p>Speakers:</p>	<p>Breast Session II: Defining the Value of Breast Brachytherapy in 2017</p> <p>Laurie W. Cuttino, MD Virginia Commonwealth University Medical College of Virginia Richmond, VA</p> <p>Simona F. Shaitelman, MD, Ed.M MD Anderson Cancer Center Houston, TX</p> <p>Jennifer S. Gass, MD Brown University Boston, MA</p> <p>Andrea B. McKee, MD Lahey Clinic Burlington, MA</p> <p>Abram Recht, MD Harvard Medical School/Beth Israel Deaconess Medical Center Boston, MA</p> <p>David E. Wazer, MD, FACR, FACRO Tufts and Brown University Boston, MA</p>	<p>Amphitheater</p>
<p>9:00 am – 10:00 am</p> <p>Moderator:</p> <p>Speakers:</p>	<p>SELF-ASSESSMENT MODULE CREDIT COURSE</p> <p>Prostate Session III: New Developments in Assessment and Treatment of Recurrence Prostate Cancer Following Brachytherapy</p> <p>Peter J. Rossi, MD Emory University School of Medicine Atlanta, GA</p> <p>Results from the ProBrachyDatabase Project Stefan Machtens, MD MarienKrankenhaus Bergisch-Gladbach, Germany</p> <p>Novel Imaging for Recurrent Disease Ashesh B. Jani, MD Emory University Atlanta, GA</p>	<p>Salon D/E</p>

session continued on following page

<p>Speakers: <i>(continued)</i></p>	<p>Salvage Therapy after PSA Failure Mack Roach, MD, FACR UCSF Comprehensive Cancer Center San Francisco, CA</p> <p>Redefining PSA Failures Pierre Blanchard, MD, PhD Proton Therapy Center Houston, TX</p>
<p>9:00 am – 10:00 am</p> <p>Moderators:</p>	<p>Scientific Session: Breast Proffered Papers</p> <p>Peter Y. Chen, MD, FACR Beaumont Health System Bloomfield, MI</p> <p>Jessica L. Wobb, MD The Ohio State University Columbus, OH</p> <p style="text-align: right;"><i>Amphitheater</i></p>
<p>10:00 am – 10:30 am</p>	<p>Refreshment Break</p> <p style="text-align: right;"><i>Salon A/B/C</i></p>
<p>10:30 am – 11:30 am</p> <p>Moderators:</p>	<p>Scientific Session: Prostate Proffered Papers II</p> <p>Brett W. Cox, MD Northwell Health New Hyde Park, NY</p> <p>I-Chow Hsu, MD UCSF Comprehensive Cancer Center San Francisco, CA</p> <p style="text-align: right;"><i>Salon D/E</i></p>
<p>10:30 am – 11:30 am</p> <p>Moderator:</p> <p>Speakers:</p>	<p>SELF-ASSESSMENT MODULE CREDIT COURSE GYN Session III: Improving Outcomes in Locally Advanced Cervical Cancer with Systemic Therapy</p> <p>Elizabeth A. Kidd, MD Stanford University Stanford, CA</p> <p>Evidence for Neoadjuvant and Adjuvant Therapy Kathleen N. Moore, MD University of Oklahoma Health Sciences Center Oklahoma City, OK</p> <p>Immunotherapy Jyoti S. Mayadev, MD University of California Davis Sacramento, CA</p> <p>Chemotherapy Loren K. Mell, MD UCSD Moores Cancer Center La Jolla, CA</p> <p style="text-align: right;"><i>Amphitheater</i></p>
<p>11:30 am – 12:30 pm</p> <p>Moderators:</p>	<p>Scientific Session: Prostate Snap Orals</p> <p>Mira Keyes, MD, FRCPC BC Cancer Agency Vancouver, BC</p> <p>Pretesh Patel, MD Emory University Atlanta, GA</p> <p style="text-align: right;"><i>Salon D/E</i></p>

11:30 am – 12:30 pm	Scientific Session: GYN Snap Orals	Amphitheater
Moderators:	Shruti Jolly, MD University of Michigan Medical Center Ann Arbor, MI Larissa J. Lee, MD Dana-Farber/Brigham and Women's Cancer Care Boston, MA	
12:30 pm	2017 Annual Meeting Adjourns	
12:30 pm – 1:00 pm	Lunch (attendees on their own)	
1:00 pm – 5:00 pm	Prostate Implant Simulation Workshop (separate registration fee is required)	Cityview I
1:00 pm – 1:15 pm	US, CT, MR Anatomy: Practical Principles Patrick William McLaughlin, MD University of Michigan/Providence Cancer Center Novi, MI	
1:15 pm – 1:30 pm	US Volume Study, Post-Implant Dosimetry Steven J. Frank, MD MD Anderson Cancer Center Houston, TX	
1:30 pm – 1:45 pm	Principles of Planning and Plan Selection, DVH Juanita M. Crook, MD, FRCPC BC Cancer Agency Kelowna, BC	
1:45 pm – 2:00 pm	Outcomes and Principles of Quality Assurance in PB Mira Keyes, MD, FRCPC BC Cancer Agency Vancouver, BC	
2:00 pm – 4:15 pm	Implant Phantom Workshop	
4:15 pm – 4:30 pm	Break	
4:30 pm – 4:45 pm	Principles of Intra-operative Planning Richard G. Stock, MD Mount Sinai Medical Center New York, NY	
4:45 pm – 5:00 pm	Basic Physics of Brachytherapy Firas Mourtada, PhD, DABR, FAAMP Christiana Care Health System Newark, DE Allison Powers, MSc Mount Sinai Hospital New York, NY	

ABS gratefully acknowledges the in-kind support of durable equipment from the following companies:

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- 2017 HDR Brachytherapy Scholarship Program
- Friday Evening Reception



- › Laptop Computers for Contouring Sessions
- Thursday Evening Reception

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- › Friday Morning Break



- › 2017 Ulrich Henschke Award
- Thursday Lunch Symposium



- › 2017 LDR Brachytherapy Scholarship Program



- › Thursday Lunch Symposium
- 2017 LDR Brachytherapy Scholarship Program

2017 ABS Ancillary Meetings

Thursday, April 20th

Physics Committee

6:45 am – Congress Room

Thursday, April 20th

International Committee

6:45 am – Skyline Room

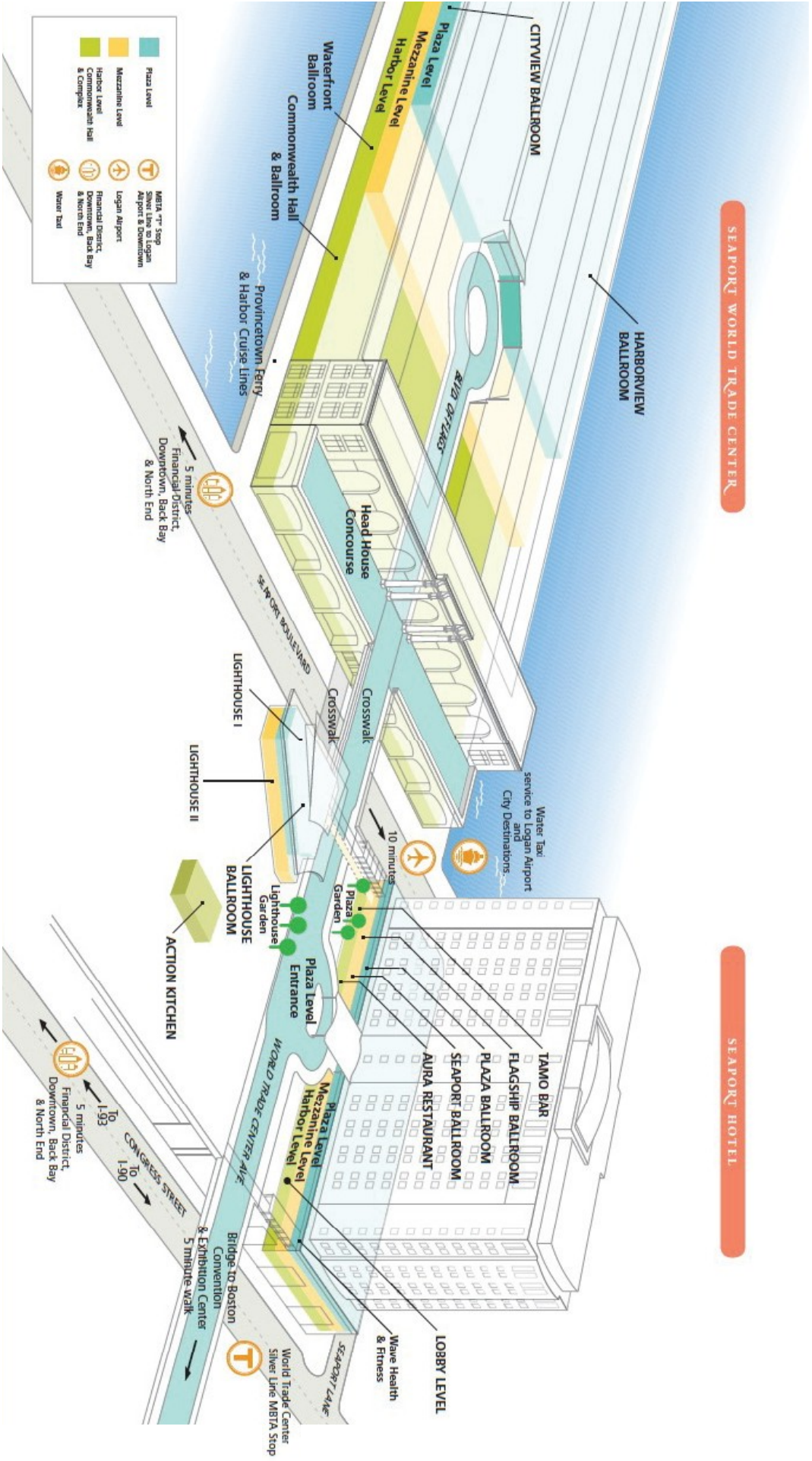
Friday, April 21st

Patient Safety

6:45 am – Congress Room

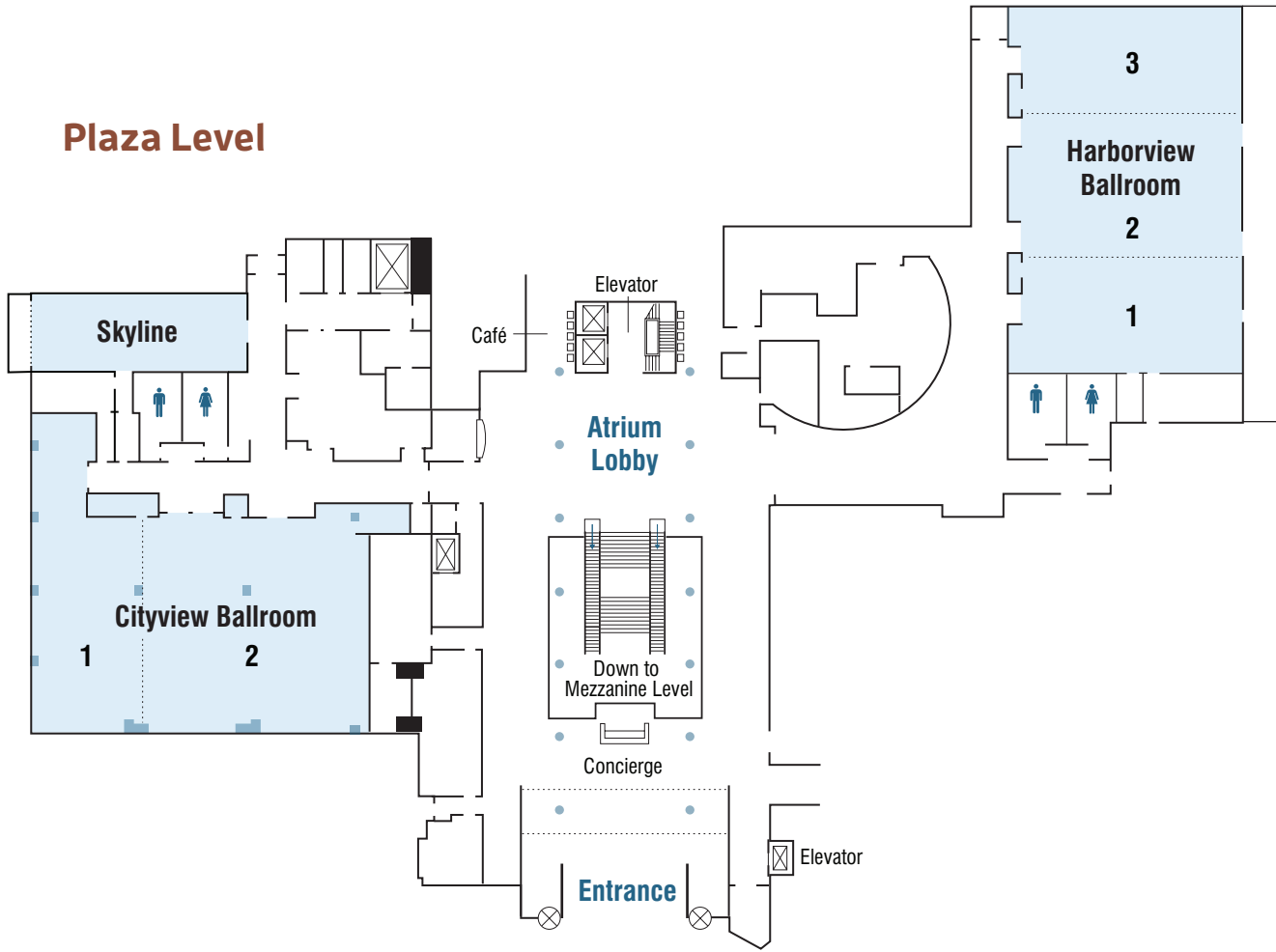
SEAPORT WORLD TRADE CENTER

SEAPORT HOTEL

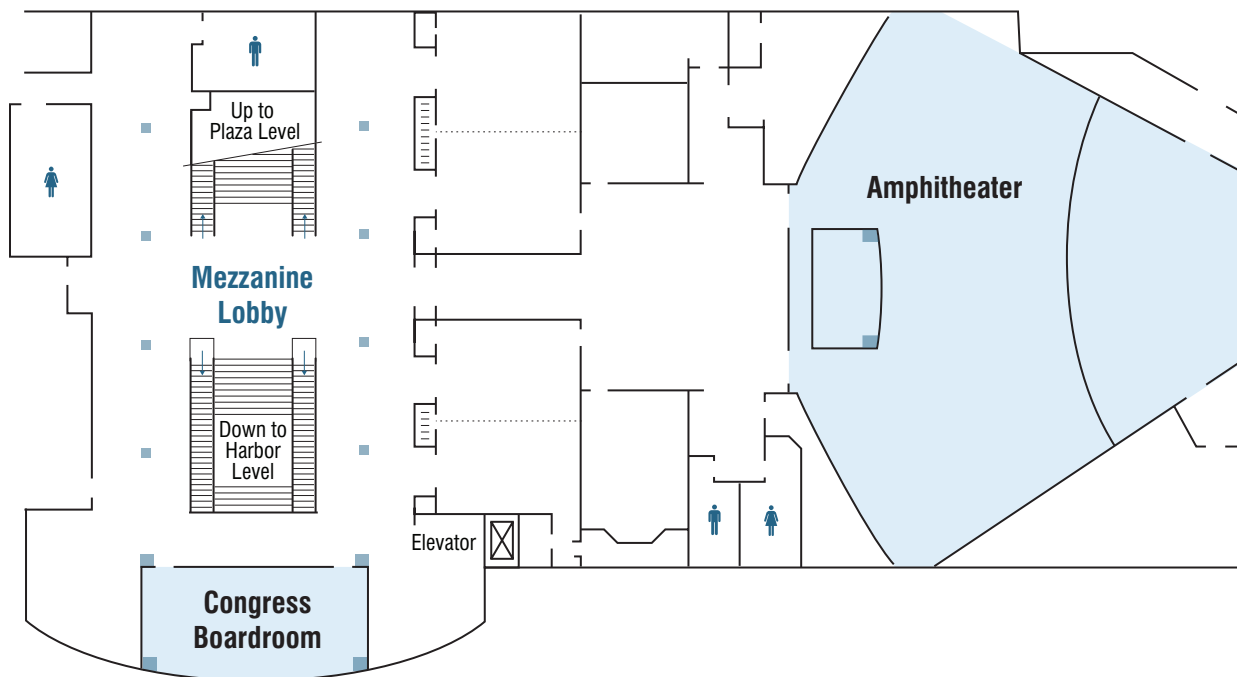


Seaport Hotel & World Trade Center Property Map

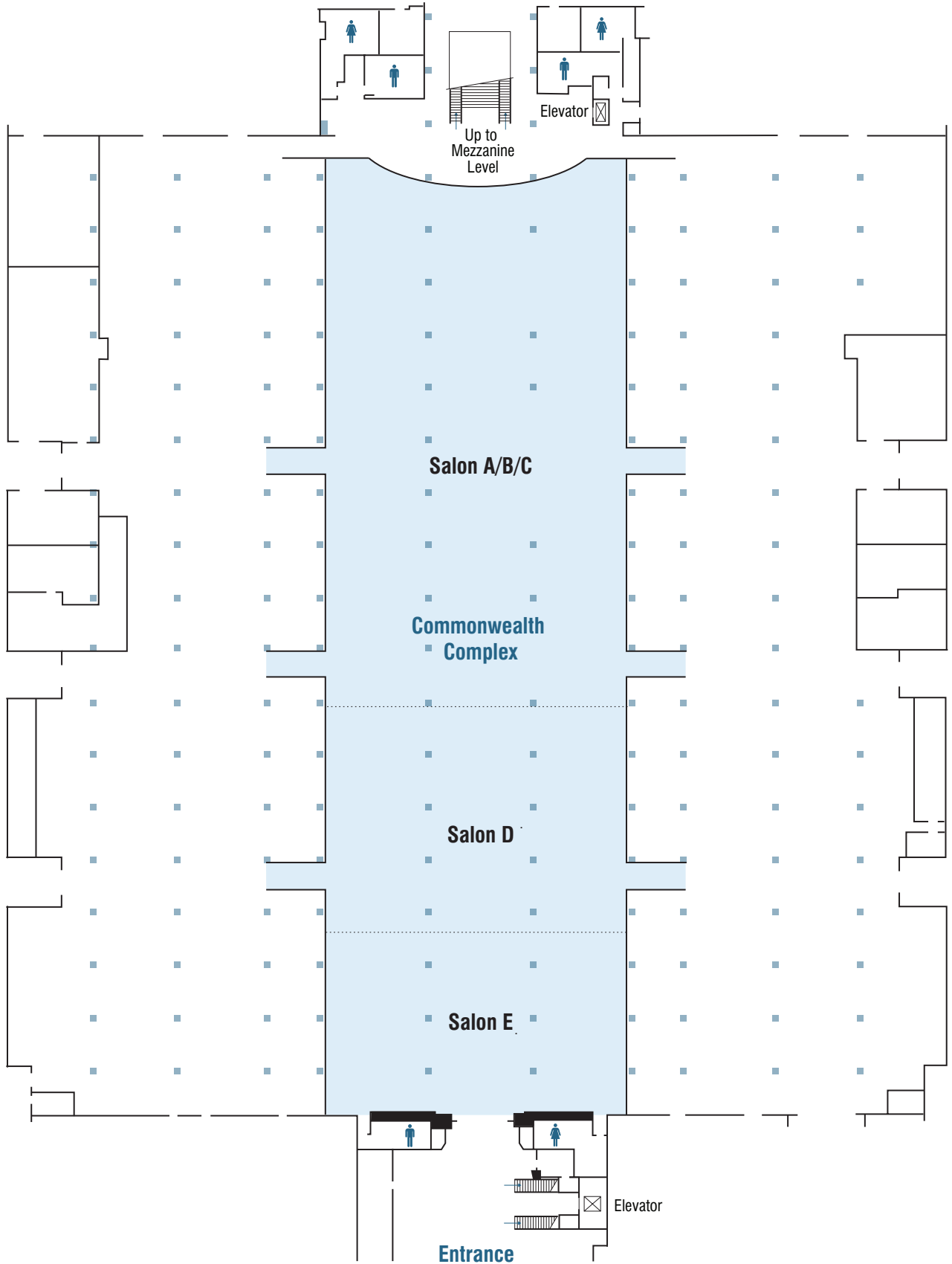
Plaza Level



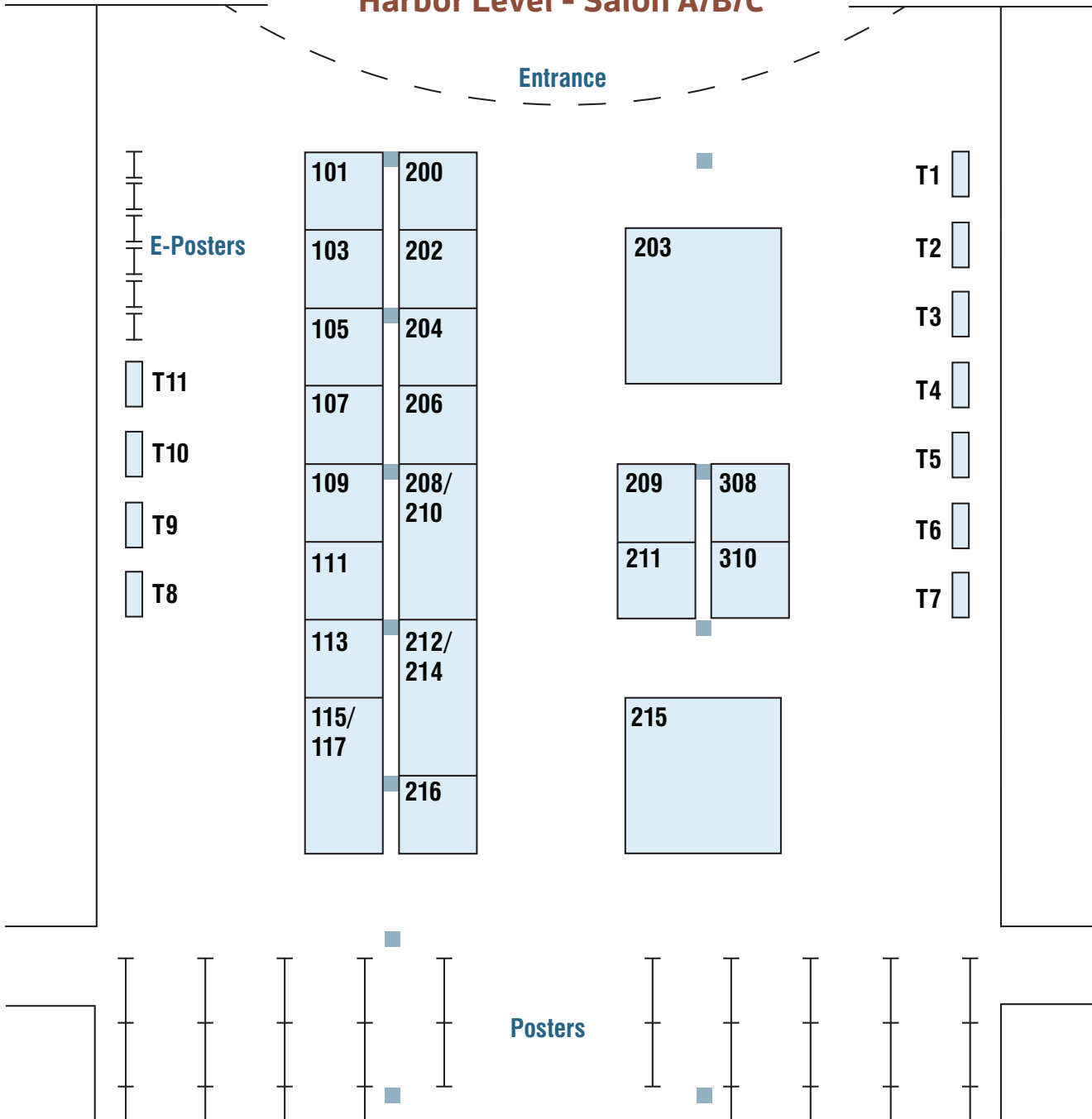
Mezzanine Level



Harbor Level



Harbor Level - Salon A/B/C



101 Hologic	204 BK Ultrasound	T2 MIM Software
103 Wolters Kluwer	206 Alpha Tau Medical	T3 Elsevier
105 CivaTech Oncology	208/210 Concure Oncology	T4 C4 Imaging
107 Qfix	209 IsoAid	T5 BrainLab
109 Bard Medical Division	211 Augmenix	T6 Revenue Cycle
111 Sirtex	212/214 Samsung	T7 CIVCO Medical Solutions
113 Cianna Medical	215 Elekta	T8 Accubost
115/117 Best Medical	216 Theragenics	T9 LifeLine
200 RadiaDyne	308 IsoRay Medical	T10 TS Medical USA
202 Orfit Industries America	310 Bionix Radiation Therapy	T11 MultiPoster
203 Varian Medical Systems	T1 Xoft	



American
Brachytherapy
Society

Invites You to Join Our Association

The American Brachytherapy Society was founded in 1978 to provide insight, rationale, and research into the use of brachytherapy in the treatment of both malignant and benign conditions. The organization consists of physicians, physicists, and other health care professionals interested in brachytherapy. The purpose of the ABS is to serve its members by advancing the field of brachytherapy, by promoting excellence in education, research and clinical practice, and by representing brachytherapy specialists and their patients.

For more information on the ABS and a membership application, visit:

www.americanbrachytherapy.org.

AMERICAN BRACHYTHERAPY SOCIETY

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www.americanbrachytherapy.org

Future ABS Meetings



December 2–3, 2017 LDR/HDR Brachytherapy Education and Simulator Training Workshop

Westin River North | Chicago, IL



February 23–24, 2018 GYN School

Hyatt Regency Pier 66 | Ft. Lauderdale, FL



June 7–9, 2018 ABS Annual Conference

San Francisco Hilton Union Square | San Francisco, CA