ABS Annual Meeting
April 9–11, 2015 Orlando, Florida
Renaissance Orlando at SeaWorld®

Brachytherapy for the Future: Innovative, Precise, Effective, and Affordable
ABS Annual Meeting

April 9–11, 2015 Orlando, Florida
Renaissance Orlando at SeaWorld®

Brachytherapy for the Future: Innovative, Precise, Effective, and Affordable
2015 Annual Meeting
Scientific Program Committee

Jaroslaw T. Hepel, MD
Scientific Program Chair
Assistant Professor
Rhode Island Hospital/Brown University
Providence, RI

Brett W. Cox, MD
Chief of Brachytherapy
Long Island Jewish Medical Center
New Hyde Park, NY

David K. Gaffney, MD, PhD
Professor
University of Utah
Salt Lake City, UT

Atif J. Khan, MD
Associate Professor
Rutgers Cancer Institute of New Jersey
New Brunswick, NJ

Firas Mourtada, PhD, DABR, FAAPM
Chief, Clinical Physics
Christiana Care Health System
Newark, DE

Subhakar Mutyala, MD
Radiation Oncologist
Scott & White Healthcare System
Temple, AZ

Peter F. Orio, III, DO, MS
Medical Director
Dana-Farber Brigham and
Women’s Cancer Center
Boston, MA

Past Presidents

2014 Akila N. Viswanathan, MD, MPH
2013 Bradley R. Prestidge, MD, MS
2012 Juanita M. Crook, MD, FRCPC
2011 Rakesh R. Patel, MD
2010 Eric M. Horwitz, MD
2009 Brian J. Davis, MD, PhD
2008 Gregory S. Merrick, MD
2007 W. Robert Lee, MD, MS, MEd
2006 Douglas W. Arthur, MD
2005 Frank A. Vicini, MD
2004 Michael J. Zelefsky, MD
2003 Beth A. Erickson, MD
2002 Colin Orton, PhD
2001 David C. Beyer, MD, FACR, FACRO
2000 James Fontanesi, MD
1999 Subir Nag, MD
1998 Kent Wallner, MD
1996-1997 Burton L. Speiser, MD
1995 Arthur T. Porter, MD
1994 John C. Blasko, MD
1993 Louis B. Harrison, MD
1992 Alvaro A. Martinez, MD
1991 Kenneth H. Luk, MD
1990 Peter A. Fleming, MD
1989 Dattatreyudu Nori, MD
1988 Karen K. Fu, MD
1987 Luis Delclos, MD
1986 Basil S. Hilaris, MD
1985 Don R. Goffinet, MD
1984 A.M. Nisar Syed, MD
1983 Thomas C. Gates, MD
1982 Ajmel A. Puthawala, MD
1981 Paul Y. M. Chan, MD
1980 Aaron G. Fingerhut, MD
1979 David L. Nebblett, MS
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.

Conflicts will be disclosed in print in the final meeting materials.

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 University Health Services Professional Education Programs (UHS-PEP) of Virginia Commonwealth University Health System and the American Brachytherapy Society. UHS-PEP is accredited by the ACCME to provide continuing medical education for physicians.

UHS-PEP designates this live activity for a maximum of **22.75 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity. This continuing education activity meets the criteria of Virginia Commonwealth University and the Southern Association of Colleges and Schools. 0.23 CEUs will be awarded and recorded with the University.

This program has applied to CAMPEP and this activity has been approved for 47.25 MPCEP hours.

Application will also be made for MDCB Credits for the ABS 2015 Annual Meeting.

Who Should Attend?

The target audience for this educational school includes radiation oncologists, medical physicists, dosimetrists, nurses, medical students and medical residents practicing/studying in the field of brachytherapy.
2015 Annual Meeting
Learning Objectives

At the conclusion of this educational activity, the participant should be able to:

- Review the current ABS guidelines for brachytherapy and the literature supporting this modality including controversies available methods and toxicities.
- Understand the role of brachytherapy as monotherapy for intermediate and high risk patients. Understand the role of brachytherapy combined with external beam irradiation for intermediate and high risk patients. Understand the role of androgen deprivation combined with brachytherapy.
- Learn about the capabilities of heterogeneity correction for brachytherapy treatment planning. Understand the clinical implication of using heterogeneity correction for brachytherapy treatment planning.
- Understand the indications and proper technique for interstitial GYN brachytherapy.
- Update the attendees on the available treatment modalities. Review the literature supporting different treatment techniques. Understand the physics of the different modalities and the practical aspects of treatment.
- Learn about new innovations in breast brachytherapy.
- Describe the imminent changes and potential future changes in health policy and its impact on brachytherapy practice.
- Contouring workshops will provide practitioners with 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.
- Review the current recommendation for the use of brachytherapy for the treatment of cervical cancer.
- Understand the current data and treatment techniques for use of brachytherapy for lung and GI cancers or those in challenging locations.
- Evaluate the current data regarding different fractionation schedules and clinical implication of different approaches.
- Understand new devices and how this can impact patient care. Understand new imaging modalities and how this can impact brachytherapy.
Bruce Thomadsen began his practice of medical physics unexpectedly in 1970, having not heard of the field two weeks before. After a residency at Henry Ford Hospital, working at Hurley Hospital in Flint and stint as the Chief Medical Physicist at St. Barnabas Medical Center in Livingston, NJ, he settled into the University of Wisconsin, where he remained for forty years (so far).

Early on in the UW Radiotherapy Clinic, Don Talbert, the head of radiotherapy physics at the time, assigned Bruce, the junior member of the team, brachytherapy physics because no one else wanted it, as well as responsibility for quality assurance (QA) and regulatory compliance. Brachytherapy QA did not exist at that time. Thus began a career dedicated to these specialties. In 1988, Dolores Buchler, a physician boarded in gynecology, surgery and radiation oncology, was interested in developing a high-dose-rate brachytherapy program at Wisconsin, which opened new challenges and provided new toys. In 2012, Dr. Thomadsen left his clinical practice, focusing then exclusively on research and teaching.

Bruce has served the radiological community through participation in many committees for various societies. For the ABS, he has served as the Treasurer, chair of the Physics Committee and Physics Section Editor for the journal. Dr. Thomadsen sits on the Nuclear Regulatory Commission’s Advisory Committee for Medical Uses of Isotopes as its chair, the first non-physician to service in that capacity.

Several mentors helped to shape Bruce’s career: Lucille DuSault, who taught him that the patient comes first; John Cameron, who taught him how to write; Bhudatt Paliwal who taught him to build bridges; and Jeff Williamson, who shared the unfolding world of brachytherapy. The support of his family has been essential: his wife, Louise, and children and grandchildren.

Ulrich Henschke Award Sponsored by:
Special Thanks to Our 2015 ABS Sponsors

Platinum Level

[Logos of Elekta and Varian]

Bronze Level

[Logos of ISOAID, Oncura, GE Healthcare, and Theragenics Corporation]
<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Institution</th>
<th>City, State</th>
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<tbody>
<tr>
<td>Michele Albert, MD</td>
<td>Radiation Oncologist</td>
<td>Dana-Farber Brigham and Women's Cancer Care</td>
<td>Boston, MA</td>
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<tr>
<td>Joanne Alfieri, MD, CM</td>
<td>Radiation Oncologist</td>
<td>McGill University</td>
<td>Montreal, QC</td>
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<tr>
<td>Douglas W. Arthur, MD</td>
<td>Professor and Vice Chairman</td>
<td>Virginia Commonwealth University</td>
<td>Richmond, VA</td>
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<tr>
<td>Deidre L. Batchelor, PhD, FCCPM</td>
<td>Senior Medical Physicist</td>
<td>British Columbia Cancer Agency - Centre for the</td>
<td>Kelowna, BC</td>
</tr>
<tr>
<td>Luc Beaulieu, PhD</td>
<td>Professor and Director of the Cancer Research Center</td>
<td>Hotel-Dieu De Quebec, CHUQ Quebec City, QC</td>
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<tr>
<td>Sushil Beriwal, MD</td>
<td>Residency Program Director</td>
<td>Radiation Oncology</td>
<td>Pittsburgh, PA</td>
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<tr>
<td>David C. Beyer, MD, FASTRO</td>
<td>Medical Director</td>
<td>Arizona Oncology Services Physicians</td>
<td>Phoenix, AZ</td>
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<tr>
<td>Ajay Bhatnagar, MD, MBA</td>
<td>Medical Director</td>
<td>Cancer Treatment Services Arizona, LLC</td>
<td>Casa Grande, AZ</td>
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<tr>
<td>Nathan H.J. Bittner, MD, MS</td>
<td>Radiation Oncologist</td>
<td>Tacoma Valley Radiation Oncology Center</td>
<td>Tacoma, WA</td>
</tr>
<tr>
<td>Wayne M. Butler, PhD</td>
<td>Medical Physicist</td>
<td>Schiffler Cancer Center/Wheeling Hospital</td>
<td>Wheeling, WV</td>
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<tr>
<td>Ivan Buzurovic, PhD</td>
<td>Medical Physicist</td>
<td>Dana Farber Brigham</td>
<td>Boston, MA</td>
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<tr>
<td>Manjeet Chadha, MD</td>
<td>Assistant Chair</td>
<td>Radiation Oncology</td>
<td>New York, NY</td>
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<tr>
<td>Albert J. Chang, MD, PhD</td>
<td>Radiation Oncologist</td>
<td>University of California San Francisco</td>
<td>San Francisco, CA</td>
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<tr>
<td>Peter Y. Chen, MD, FACP</td>
<td>Professor</td>
<td>Beaumont Health System</td>
<td>Bloomfield Hills, MI</td>
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<tr>
<td>Junzo P. Chino, MD</td>
<td>Assistant Professor</td>
<td>Duke University</td>
<td>Durham, NC</td>
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<tr>
<td>Brett W. Cox, MD</td>
<td>Chief of Brachytherapy</td>
<td>Long Island Jewish Medical Center</td>
<td>New Hyde Park, NY</td>
</tr>
<tr>
<td>Juanita M. Crook, MD, FRCPC</td>
<td>Professor, Radiation Oncology</td>
<td>Cancer Center for the Southern Interior</td>
<td>Kelowna, BC</td>
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<tr>
<td>J. Adam M. Cunha, PhD</td>
<td>Assistant Professor</td>
<td>UCSF Comprehensive Cancer Center</td>
<td>San Francisco, CA</td>
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<tr>
<td>Antonio Damato, PhD</td>
<td>Medical Physicist</td>
<td>Dana-Farber Brigham and Women's Cancer Care</td>
<td>Boston, MA</td>
</tr>
<tr>
<td>Phillip M. Devlin, MD, FACP, FASRO, FFRCS (Hon)</td>
<td>Chief, Director of Brachytherapy</td>
<td>Harvard Medical School</td>
<td>Boston, MA</td>
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<tr>
<td>Thomas A. DiPetrillo, MD</td>
<td>Clinical Director, Vice Chair</td>
<td>Tufts Medical Center</td>
<td>Boston, MA</td>
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<tr>
<td>Laura A. Doyle, MS</td>
<td>Medical Physicist</td>
<td>Thomas Jefferson University Hospital</td>
<td>Philadelphia, PA</td>
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<tr>
<td>David P. D'Souza, MD</td>
<td>Radiation Oncologist</td>
<td>London Health Sciences Center</td>
<td>London, ON</td>
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</tbody>
</table>
Mohamed A. Elshaikh, MD
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Brigham & Women’s Hospital
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University of Colorado Denver
Aurora, CO

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Associate Professor
UT MD Anderson Cancer Center
Houston, TX

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Medical Physicist
Regina K. Fulkerson Consultants, LLC
Dundee, NY

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New Brunswick, NJ

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Houston, TX

Usama Mahmod, MD
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Houston, TX

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Bronx, NY

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Boston, MA

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Sunnybrook Odette Cancer Centre
Toronto, ON

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Christiana Care Health System
Newark, DE

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Scott & White Healthcare System
Temple, TX

Subir Nag, MD, FACP, FASTRO
Director of Brachytherapy Services
Kaiser Permanente - Northern California
Santa Clara, CA

Desmond A. O’Farrell, MSc
Clinical Physicist
Brigham & Women’s Hospital
Boston, MA

Zoubir Ouhib, MS, DABR
Chief Medical Physicist
Lynn Cancer Institute
Delray Beach, FL

Pretesh Patel, MD
Assistant Professor
Emory University
Atlanta, GA
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For uploading your presentations, the Oceans Office 2 of the hotel will serve as the Speaker Ready Room. You must upload your presentation at least one hour prior to presenting.
2015 Resident Travel Grant Award Recipients
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Christina H. Chapman, MD
University of Michigan, Ypsilanti, MI
MRI-Based Evaluation of Coverage of the Vaginal Cuff in Endometrial Brachytherapy: Are We Missing The Target?

Prashanth Giridhar, MBBS
All India Institute of Medical Sciences, New Delhi, India
Integration of Concurrent Chemotherapy with Intracavitary Brachytherapy in Locally Advanced Carcinoma Cervix - A Feasibility Study

2015 HDR Brachytherapy Physician Scholarship Recipients
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Diandra N. Ayala-Peacock, MD
Wake Forest University
School of Medicine
Winston-Salem, NC

Onyinye Balogun, MD
New York University
New York, NY

Andrew Camarata, MD
Emory University
Atlanta, GA

Donald M. Cannon, MD
Mountain States Tumor Institute
Twin Falls, ID

Julie A. Carlson, MD
University of Colorado
Denver, CO

Michael K. Cheung, MD
University of Arizona
Tucson, AZ

Harriet B. Eldredge-Hindy, MD
Thomas Jefferson University Hospital
Langhorne, PA

Annemarie T. Fernandes, MD
University of Pennsylvania
Philadelphia, PA

Andrew C. Hoover, MD
University of Iowa Hospitals and Clinics
North Liberty, IA

Guy C. Jones, MD
National Cancer Institute
Rockville, MD

Kapila Kalakota, MD
Northwestern University
Chicago, IL

Jason D. Kehrer, DO
National Cancer Institute
Bethesda, MD

Kara L. Leonard, MD, MSc
Rhode Island Hospital
Providence, RI

Nelson Leong, MD, BSc
Saskatchewan Cancer Agency
Regina, SK

Adam L. Liss, MD
University of Michigan
Ann Arbor, MI

Javier Lopez-Araujo, MD
University of Alabama at Birmingham
Birmingham, AL

David Ly, MD, MPA
University of Utah
Salt Lake City, UT

Daniel Gorovets, MD
Tufts Medical Center, Boston, MA
Dosimetric and Radiobiological Comparison of Plaque Brachytherapy and Gamma Knife Radiosurgery for Choroidal Melanoma

Nikhil G. Thaker, MD
UT MD Anderson Cancer Center, Houston, TX
Defining the Value Framework for Prostate Brachytherapy Using Patient-centered Outcome Metrics and Time-driven Activity-based Costing

Gary V. Walker, MD
UT MD Anderson Cancer Center, Houston, TX
Variation and Impact of Insurance Status Among Non-Elderly Cancer Patients Who are Potential Candidates for Prostate, Breast, or Gynecologic Brachytherapy

John K. Ma, MD, PhD
University of Mississippi Medical Center
Madison, MS

William J. Magnuson, MD
University of Wisconsin
Madison, WI

Malcolm D. Mattes, MD
West Virginia University
Morgantown, WV

Ali Mazloom, MD
University of Rochester
Rochester, NY

Mazen Mislmani, MD
University Hospitals/Case Western Reserve University
Cleveland, OH

Himanshu Nagar, MD
Weill Cornell Medical College
New York, NY

Karan K. Shah, MD, MBA
Loyola University Medical Center
Schaumburg, IL

Negin Shahid, MD, MSc
University of Toronto
Toronto, ON

Arshin Sheybani, MD
John Stoddard Cancer Center
Des Moines, IA

Kosj Yamoah, MD, PhD
Thomas Jefferson University & Hospitals
Philadelphia, PA
2015 HDR Brachytherapy Physicist Scholarship Recipients
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Joseph Blickenstaff, MS
21st Century Oncology
Bonita Springs, FL

Serhii Brovchuk, MS
Kiev Regional Oncology Hospital
Kiev, Ukraine

Kuan Ling Chen, PhD
University of Miami Miller School of Medicine
Miami, FL

J. Adam M. Cunha, PhD
UCSF
San Francisco, CA

Abbie Diak, PhD
Loyola University Medical Center
Oak Park, IL

Bart Lynch, MS
Center for Cancer Care
Owens Cross Roads, AL

Laura Padilla, PhD
University of Chicago
Chicago, IL

Jason Paisley, MS
Coastal Carolina Radiation Oncology
Wilmington, NC

Jimmy Stringer, MS
Wright Patterson Air Force Base
Cincinnati, OH

Yu Yuan, PhD
St Vincent’s East
Birmingham, AL

2014 LDR Prostate Brachytherapy Scholarship Recipients
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Craig J. Baden, MD, MPH, MA
University of Alabama - Birmingham
Birmingham, AL

Andrew Camarata, MD
Emory University
Atlanta, GA

Howard Hsu, MD
Lahey Clinic
Burlington, MA

Ted Ling, MD, MS
Loma Linda University
Loma Linda, CA

John K. Ma, MD, PhD
University of Mississippi Medical Center
Jackson, MS

Michael L. Wong, MD
UCLA
Los Angeles, CA

Joanne Zhung, MD
Tufts Medical Center
Boston, MA

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— Next, open the app and center the camera on the QR code. The ABS app will launch automatically in your browser.

— To install the app on your phone, use “Add to home screen” on iPhone and Blackberry; for Android, use the “bookmark” function and save the bookmark to the home screen.

Alternatively, type the URL into the browser on your smartphone to access the app, then follow the installation instructions http://codu.co/81f41b
## Agenda

### Wednesday, April 8

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>12:00 pm—6:30 pm</td>
<td>Registration and Commercial Exhibit Set-Up</td>
<td>Oceans Ballroom Foyer/Oceans Ballroom 1-8</td>
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### Thursday, April 9

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>7:00 am—5:30 pm</td>
<td>Registration</td>
<td>Oceans Ballroom Foyer</td>
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<tr>
<td>7:30 am—8:00 am</td>
<td>Continental Breakfast</td>
<td>Oceans Ballroom 1-8</td>
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<tr>
<td>7:30 am—7:00 pm</td>
<td>Commercial Exhibits</td>
<td>Oceans Ballroom 1-8</td>
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<td>Including Welcome Reception</td>
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<tr>
<td>7:55 am—8:00 am</td>
<td>Welcome</td>
<td>Crystal Ballroom C/D/E</td>
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<tr>
<td></td>
<td>Jaroslaw T. Hepel, MD</td>
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<tr>
<td></td>
<td>2015 Annual Meeting Scientific Program Chair</td>
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<td></td>
<td>Brown University/Rhode Island Hospital</td>
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<td></td>
<td>Providence, RI</td>
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<tr>
<td>8:00 am—9:00 am</td>
<td>Breast Session I:</td>
<td>Crystal Ballroom C/D/E</td>
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<tr>
<td></td>
<td>Review and Updates of Breast Brachytherapy (Self-Assessment Module Credit Course)</td>
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<td>Speakers:</td>
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<td></td>
<td>Peter Y. Chen, MD, FACR</td>
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<td></td>
<td>Oakland University-William Beaumont School of Medicine</td>
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<td></td>
<td>Royal Oak, MI</td>
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<td></td>
<td>Shirin Sioshansi, MD</td>
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<td>UMass Memorial Medical Center</td>
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<td>Worcester, MA</td>
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<tr>
<td>8:00 am—9:00 am</td>
<td>Scientific Session:</td>
<td>Crystal Ballroom A/B</td>
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<tr>
<td></td>
<td>Prostate Proffered Papers I</td>
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<td>Moderators:</td>
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<td></td>
<td>Brett W. Cox, MD</td>
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<td>Long Island Jewish Medical Center</td>
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<td>New Hyde Park, NY</td>
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<td>Bradley R. Prestidge, MD, MS</td>
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<td>DePaul Medical Center</td>
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<td>Norfolk, VA</td>
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Thursday, April 9 (con’t)

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>9:00 am—10:15 pm</td>
<td>Innovations in Treatment Planning: Will Heterogeneity Correction Revolutionize Brachytherapy?</td>
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<td>Crystal Ballroom C/D/ E</td>
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<td><strong>Moderators:</strong></td>
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<td>Regina K. Fulkerson, PhD</td>
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<td>Regina K. Fulkerson Consultants, LLC</td>
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<td>Dundee, NY</td>
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<td></td>
<td>Bruce R. Thomadsen, PhD, DABR, DABHP, DABMP, FAAPM</td>
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<td></td>
<td>University of Wisconsin – Madison</td>
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<tr>
<td></td>
<td>Madison, WI</td>
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<td></td>
<td><strong>Panelists:</strong></td>
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<td>Luc Beaulieu, PhD</td>
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<td>Hotel-Dieu De Quebec, CHUQ</td>
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<td>Quebec City, QC</td>
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<td>Firas Mourtada, PhD</td>
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<td>Christiana Care Health System</td>
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<td>Newark, DE</td>
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<td>Mark J. Rivard, PhD</td>
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<td></td>
<td>Tufts University School of Medicine</td>
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<td>Boston, MA</td>
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<tr>
<td>10:15 am—10:45 am</td>
<td>Refreshment Break</td>
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<td>Oceans Ballroom 1-8</td>
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### Thursday, April 9 (con’t)

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<tr>
<th>Time</th>
<th>Location</th>
<th>Session/Title</th>
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</thead>
</table>
| 10:45 am—11:45 am | Crystal Ballroom C/D/E | **Prostate Session I:**
Prostate Brachytherapy in Intermediate and High Risk Disease
(Self-Assessment Module Credit Course)  
**Moderator:**  
Juanita M. Crook, MD, FRCPC  
Cancer Center for the Southern Interior  
Kelowna, BC  
**Speakers:**  
Monotherapy in Intermediate and High Risk Disease  
Usama Mahmood, MD  
UT MD Anderson Cancer Center  
Houston, TX  
The Role of Androgen Deprivation Therapy  
Mack Roach, MD, FACP  
UCSF Comprehensive Cancer Center  
San Francisco, CA  
Combination Therapy for Intermediate and High Risk Disease  
Brett W. Cox, MD  
Long Island Jewish Medical Center  
New Hyde Park, NY |
| 10:45 am—11:45 am | Crystal Ballroom A/B | **Scientific Session:**
GYN Proffered Papers I  
**Moderator:**  
David P. D’Souza, MD  
London Health Sciences Center  
London, ON  
Mohamed A. Elshaikh, MD  
Henry Ford Health Systems  
Detroit, MI |
| 11:45 am—12:15 pm | Crystal Ballroom C/D/E | **ABS Presidential Address**  
(No CME Credit offered)  
David E. Wazer, MD, FACP, FASRO  
Tufts and Brown University  
Boston, MA |
### Thursday, April 9 (con’t)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>12:15 pm—1:00 pm</td>
<td><strong>Resident Luncheon</strong> (Residents Only)</td>
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<td><strong>Sponsored by:</strong> <a href="#">ONCURA</a> <a href="#">GE Healthcare</a></td>
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<th>Time</th>
<th>Event Description</th>
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<tr>
<td>1:00 pm—2:00 pm</td>
<td><strong>GYN Session I:</strong> Interstitial GYN Brachytherapy Made Simple</td>
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<td><strong>Moderator:</strong></td>
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<td>Anuja Jhingran, MD</td>
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<td>UT MD Anderson Cancer Center</td>
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<td><strong>Speakers:</strong></td>
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<td></td>
<td>Sushil Beriwal, MD</td>
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<td>University of Pittsburgh</td>
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<td>Pittsburgh, PA</td>
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<td>Anuja Jhingran, MD</td>
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<td>UT MD Anderson Cancer Center</td>
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<td></td>
<td>Catheryn M. Yashar, MD</td>
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<td>University of California, San Diego</td>
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<td>La Jolla, CA</td>
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<th>Time</th>
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<tr>
<td>1:00 pm—2:00 pm</td>
<td><strong>Miscellaneous Session I:</strong> Skin Brachytherapy</td>
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<td><strong>Moderator:</strong></td>
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<tr>
<td></td>
<td>Phillip M. Devlin, MD, FCR, FASTRO, FFRRCSI (Hon)</td>
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<td></td>
<td>Harvard Medical School</td>
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<td>Boston, MA</td>
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<td></td>
<td><strong>Speakers:</strong></td>
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<tr>
<td></td>
<td>Electronic Brachytherapy for Skin Malignancies</td>
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<tr>
<td></td>
<td>Ajay Bhatnagar, MD, MBA</td>
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<tr>
<td></td>
<td>Cancer Treatment Services Arizona, LLC</td>
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<td>Casa Grande, AZ</td>
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<td>HDR Brachytherapy for Skin Malignancies</td>
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<td>Subhakar Mutyala, MD</td>
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<td>Scott &amp; White Healthcare System</td>
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<td>Temple, TX</td>
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<td>Physics of Skin Brachytherapy</td>
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<td>Desmond A. O’Farrell, MSc</td>
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<td></td>
<td>Brigham &amp; Women’s Hospital</td>
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<td>Boston, MA</td>
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### Thursday, April 9 (con’t)

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Session Title</th>
<th>Details</th>
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<tr>
<td>2:00 pm—3:30 pm</td>
<td>Crystal Ballroom A/B</td>
<td>Physics Session II: Innovations in Brachytherapy QA</td>
<td>(Self-Assessment Module Credit Course)</td>
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<td>Moderators:</td>
<td>Wayne M. Butler, PhD</td>
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<td>Schiffler Cancer Center/Wheeling Hospital</td>
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<td>Wheeling, WV</td>
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<td>Ronald S. Sloboda, PhD</td>
<td>Cross Cancer Institute</td>
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<td>Panelists:</td>
<td>Zoubir Ouhib, MS, DABR</td>
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<td>Lynn Cancer Institute</td>
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<td>Delray Beach, FL</td>
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<td>Daniel J. Scanderbeg, PhD</td>
<td>University of California San Diego Medical Center</td>
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<td>San Diego, CA</td>
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<td>Bruce R. Thomadsen, PhD</td>
<td>University of Wisconsin – Madison</td>
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<td>Madison, WI</td>
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<tr>
<td>2:00 pm—3:30 pm</td>
<td>Crystal Ballroom C/D/E</td>
<td>GYN Session II: Debate—Fractionation in GYN: Efficacy, Toxicity, and Cost</td>
<td>Moderator: Manjeet Chadha, MD</td>
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<td>Beth Israel Medical Center</td>
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<td>Panelists:</td>
<td>Joanne Alfieri, MD, CM</td>
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<td>McGill University</td>
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<td>Montreal, QC</td>
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<td>Daya N. Sharma, MD</td>
<td>All India Institute of Medical Sciences</td>
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<td>New Delhi, India</td>
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<td>Akila N. Viswanathan, MD</td>
<td>Dana-Farber Brigham and Women’s Cancer Care</td>
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<td>Boston, MA</td>
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<tr>
<td>3:30 pm—4:00 pm</td>
<td>Oceans Ballroom 1-8</td>
<td>Refreshment Break</td>
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Thursday, April 9 (con’t)

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<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Session</th>
<th>Moderators</th>
</tr>
</thead>
</table>
| 4:00 pm—5:00 pm | Crystal Ballroom A/B | Scientific Session: Breast Brachytherapy Proffered Papers | **Moderators:**  
 |              |                   |                                      | **Shared Goyal, MD**  
 |              |                   |                                      | Cancer Institute of New Jersey  
 |              |                   |                                      | New Brunswick, NJ  
 |              |                   |                                      | **Frank A. Vicini, MD, FACR**  
 |              |                   |                                      | Michigan Healthcare Professionals  
 |              |                   |                                      | Farmington, MI  |

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<tr>
<th>Time</th>
<th>Location</th>
<th>Session</th>
<th>Moderators</th>
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</thead>
</table>
| 4:00 pm—5:30 pm | Crystal Ballroom C/D/ E | Scientific Session: Physics Proffered Papers | **Moderators:**  
 |              |                   |                                      | **Susan Richardson, PhD**  
 |              |                   |                                      | Swedish Cancer Institute  
 |              |                   |                                      | Seattle, WA  
 |              |                   |                                      | **Mark J. Rivard, PhD, FAAPM**  
 |              |                   |                                      | Tufts University School of Medicine  
 |              |                   |                                      | Boston, MA  |

### 4:00 pm—6:00 pm  
**CONTOURING WORKSHOPS**

<table>
<thead>
<tr>
<th>Specialty</th>
<th>Contouring Workshop Moderator(s)</th>
<th>Anatomy</th>
<th>Contouring</th>
<th>Circulators:</th>
</tr>
</thead>
</table>
| GYN         | Beth Erickson, MD, FCR, FASTRO   | Beth Erickson, MD, FCR, FASTRO | MRI:  
 |             |                                  |         | **Beth Erickson, MD, FCR, FASTRO**  
 |             |                                  |         | **CT:**  
 |             |                                  |         | **Akila Viswanathan, MD, MPH**  
 |             |                                  |         | **Sushil Beriwal, MD**  
 |             |                                  |         | **Ivan Buzzurovic, PhD**  
 |             |                                  |         | **Antonio Damato, PhD**  
 |             |                                  |         | **Anuja Jhingran, MD**  
 |             |                                  |         | **Mitchell Kamrava, MD**  
 |             |                                  |         | **Jason Rownd, MS**  
 |             |                                  |         | **Catheryn Yashar, MD**  
| Skin        | Subhakar Mutyal, MD              | Juanita Crook, MD, FRCPC           | TRUS:  
 |             |                                  |         | **Gerard Morton, MD**  
 |             |                                  |         | **CT:**  
 |             |                                  |         | **Juanita Crook, MD, FRCPC**  
 |             |                                  |         | **MRI:**  
 |             |                                  |         | **Patrick McLaughlin, MD**  
| Prostate    | Juanita Crook, MD, FRCPC         | Juanita Crook, MD, FRCPC           | **Brett Cox, MD**  
 |             |                                  |         | **Juanita Crook, MD, FRCPC**  
 |             |                                  |         | **Mira Keyes, MD, FRCPC**  
 |             |                                  |         | **Patrick McLaughlin, MD**  
|             |                                  |         | **Gerard Morton, MD**  |

### 6:00 pm—7:00 pm  
**Welcome Reception and Poster Review with Exhibits**

Sponsored by: **HOLOGIC**

### 7:00 pm—9:00 pm  
**Varian BrachyTherapy Roundtable & Dinner**

“Opportunities & Opinions”

*Engaging discussions on issues in brachytherapy*

Sponsored by: **VARIAN**
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00 am—5:45 pm</td>
<td>Registration</td>
</tr>
<tr>
<td>Oceans Ballroom</td>
<td>Foyer</td>
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<tr>
<td>7:30 am—8:00 am</td>
<td>Continental Breakfast</td>
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<tr>
<td>Oceans Ballroom</td>
<td>1-8</td>
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<tr>
<td>7:30 am—5:00 pm</td>
<td>Commercial Exhibits</td>
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<tr>
<td>Oceans Ballroom</td>
<td>1-8</td>
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<tr>
<td>7:55 am—8:00 am</td>
<td>Daily Recap</td>
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<tr>
<td>Crystal Ballroom</td>
<td>C/D/ E</td>
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<tr>
<td>8:00 am—9:00 am</td>
<td>Breast Session II: Innovations and Future of Breast Brachytherapy</td>
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<tr>
<td>Crystal Ballroom</td>
<td>C/D/ E</td>
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<tr>
<td>8:00 am—9:00 am</td>
<td>Scientific Session: GYN Proffered Papers II</td>
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<tr>
<td>Crystal Ballroom</td>
<td>A/B</td>
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**Friday, April 10**

**Moderator:**

**Atif J. Khan, MD**  
Rutgers Cancer Institute of New Jersey  
New Brunswick, NJ

**Speakers:**

**Breast Brachytherapy for Breast Failures**

**Manjeet Chadha, MD**  
Beth Israel Medical Center  
New York, NY

**Past, Present, and Future: The Cost Efficacy of APBI Delivered by Brachytherapy**

**Chirag S. Shah, MD**  
Summa Health System  
Akron, OH

**APBI in the Developing World**

**Douglas W. Arthur, MD**  
Virginia Commonwealth University  
Richmond, VA

**Moderators:**

**Anuja Jhingran, MD**  
UT MD Anderson Cancer Center  
Houston, TX

**Catheryn M. Yashar, MD**  
University of California, San Diego  
La Jolla, CA
### Prostate Session II: Healthcare Reform: The Intrinsic Value of Prostate Brachytherapy

**8:00 am—9:00 am**

**Oceans Ballroom 12**

**Scientific Session:**

**Miscellaneous Proffered Papers**

**Moderators:**

- **Subhakar Mutyala, MD**  
  Scott & White Healthcare System  
  Temple, TX

- **Ravindra Yaparpalvi, MS**  
  Montefiore Medical Center  
  Bronx, NY

**Speakers:**

- **Cost Effectiveness of LDR and HDR Brachytherapy**  
  **Peter F. Orio, III, DO, MS**  
  Dana-Farber Brigham and Women’s Cancer Center  
  Boston, MA

- **Falling Brachytherapy Utilization: Causes and Consequences**  
  **Bradley R. Prestidge, MD, MS**  
  DePaul Medical Center  
  Norfolk, VA

- **Brachytherapy as a Model for Value in a Changing Healthcare Environment**  
  **Steven J. Frank, MD**  
  UT MD Anderson Cancer Center  
  Houston, TX

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### Prostate Session II: Healthcare Reform: The Intrinsic Value of Prostate Brachytherapy

**9:00 am—10:00 am**

**Crystal Ballroom C/D/E**

**Prostate Session II: Healthcare Reform: The Intrinsic Value of Prostate Brachytherapy**

**Moderators:**

- **Louis Potters, MD, FACR**  
  North Shore – Long Island Jewish Health System  
  Lake Success, NY

**Speakers:**

- **Cost Effectiveness of LDR and HDR Brachytherapy**  
  **Peter F. Orio, III, DO, MS**  
  Dana-Farber Brigham and Women’s Cancer Center  
  Boston, MA

- **Falling Brachytherapy Utilization: Causes and Consequences**  
  **Bradley R. Prestidge, MD, MS**  
  DePaul Medical Center  
  Norfolk, VA

- **Brachytherapy as a Model for Value in a Changing Healthcare Environment**  
  **Steven J. Frank, MD**  
  UT MD Anderson Cancer Center  
  Houston, TX

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### GYN Session III: Current Recommendations in Cervical Cancer (Self-Assessment Module Credit Course)

**9:00 am—10:00 am**

**Crystal Ballroom A/B**

**GYN Session III: Current Recommendations in Cervical Cancer (Self-Assessment Module Credit Course)**

**Speakers:**

- **Christine M. Fisher, MD, MPH**  
  University of Colorado Denver  
  Aurora, CO

- **Ann H. Klopp, MD, PhD**  
  UT MD Anderson Cancer Center  
  Houston, TX
### Friday, April 10 (con't)

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<thead>
<tr>
<th>Time</th>
<th>Location</th>
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<tbody>
<tr>
<td>10:00 am—11:00 am</td>
<td>Crystal Ballroom C/D/E</td>
<td><strong>Miscellaneous Session II: Lung, GI, and Brachyablation</strong>&lt;br&gt;<strong>Moderator:</strong> Caroline L. Holloway, MD, FRCPC&lt;br&gt;BC Cancer Agency, Vancouver Island Centre&lt;br&gt;Victoria, BC&lt;br&gt;<strong>Speakers:</strong>&lt;br&gt;Lung Wedge with Brachy—Alive? Thomas A. DiPetrillo, MD&lt;br&gt;Tufts Medical Center&lt;br&gt;Boston, MA&lt;br&gt;Innovation Approaches: Brachyablation Mitchell Kamrava, MD&lt;br&gt;UCLA&lt;br&gt;Los Angeles, CA&lt;br&gt;Update and Innovations in Brachytherapy for Esophagus and Rectum Alexandra J. Stewart, DM, MRCP, FRCR&lt;br&gt;Royal Surrey County Hospital&lt;br&gt;Surrey, United Kingdom</td>
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<tr>
<td>10:00 am—11:00 am</td>
<td>Crystal Ballroom A/B</td>
<td><strong>Scientific Session:</strong> Prostate Proffered Papers II&lt;br&gt;<strong>Moderators:</strong> Gerard C. Morton, MD&lt;br&gt;Sunnybrook Odette Cancer Centre&lt;br&gt;Toronto, ON&lt;br&gt;Pretesh R. Patel, MD&lt;br&gt;Emory University&lt;br&gt;Atlanta, GA</td>
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<tr>
<td>10:00 am—11:00 am</td>
<td>Oceans Ballroom 12</td>
<td><strong>Scientific Session:</strong> Socio–Economic Proffered Papers&lt;br&gt;<strong>Moderators:</strong> Nathan H.J. Bittner, MD, MS&lt;br&gt;Tacoma Valley Radiation Oncology Centers&lt;br&gt;Tacoma, WA&lt;br&gt;Benjamin P. Falit, MD, JD&lt;br&gt;Brigham and Women’s Hospital&lt;br&gt;Boston, MA</td>
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<tr>
<td>11:00 am—11:15 am</td>
<td>Oceans Ballroom 1-8</td>
<td><strong>Refreshment Break</strong></td>
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Friday, April 10 (con’t)

11:15 am—12:15 pm  Plenary Session: Top Four Abstracts
Crystal Ballroom C/D/ E

Moderator:
Jaroslaw T. Hepel, MD
2015 Annual Meeting Scientific Program Chair
Brown University/Rhode Island Hospital
Providence, RI

Gyn: Judith Stitt Award Winner
Prashanth Giridhar, MBBS
All India Institute of Medical Sciences, New Delhi, India
Integration of Concurrent Chemotherapy With Intracavitary Brachytherapy in Locally Advanced Carcinoma Cervix — A Feasibility Study

Discussant:
David K. Gaffney, MD, PhD
University of Utah
Salt Lake City, UT

Physics: Judith Stitt Award Winner
Annette Haworth, PhD
Peter MacCallum Cancer Center, East Melbourne, Australia
Focal Brachytherapy Treatment Planning Using Multi-Parametric MRI and Biological Dose Optimisation

Discussant:
Firas Mourtada, PhD, DABR, FAAPM
Christiana Care Health System
Newark, DE

Prostate: Judith Stitt Award Winner
William James Morris, MD, FRCPc
UT MD Anderson Cancer Center, Houston, TX
Low-Dose-Rate Brachytherapy Is Superior to Dose-Escalated EBRT for Unfavourable Risk Prostate Cancer: The Results of the ASCENDE-RT® Randomized Control Trial

Discussant:
Brett W. Cox, MD
Long Island Jewish Medical Center
New Hyde Park, NY

Socio-Economics: Judith Stitt Award Winner
Nikhil G. Thaker, MD
UT MD Anderson Cancer Center, Houston, TX
Defining the Value Framework for Prostate Brachytherapy Using Patient-Centered Outcome Metrics and Time-Driven Activity-Based Costing

Discussant:
Peter F. Orio, III, DO, MS
Dana-Farber Brigham and Women’s Cancer Center
Boston, Massachusetts
Friday, April 10 (con’t)

12:15 pm—12:45 pm  
Crystal Ballroom C/D/E  
Ulrich Henschke Award (No CME Credit Offered)  
Presented by:  
Daniel G. Peteriet, MD, FASTRO  
Rapid City Regional Hospital  
Rapid City, SD

12:45 pm—2:00 pm  
Discovery Ballroom  
ABS Member Lunch and Annual Business Meeting  
(Event for ABS members only)

2:00 pm—3:30 pm  
Crystal Ballroom C/D/E  
Pay Now or Pay Later… Why Brachytherapy Reimbursements Are Critical in Saving Lives and Radiation Oncology as a Whole  
Moderators:  
Mira Keyes, MD, FRCPC  
British Columbia Cancer Agency  
Vancouver, BC

Peter F. Orio III, DO, MS  
Dana-Farber Brigham and Women's Cancer Center  
Boston, MA

Speakers:  
ASTRO/ABS Coding Initiatives: Where We Were, Where We Are Headed, and What is Pushing Us There?  
David C. Beyer, MD, FACR, FACRO, FASTRO  
Arizona Oncology Services Physicians  
Phoenix, AZ

Impact of Health Care Policy, Reimbursement, and Bundled Payments on Future Careers: A Resident Perspective  
Benjamin Falit, MD, JD  
Brigham and Women's Hospital  
Boston, MA

Economics and the Application of Clinic Efficiency: Keeping a Practice Alive in this Changing Health Care Environment  
Louis Potters, MD, FACR  
North Shore – Long Island Jewish Health System  
Lake Success, NY

3:30 pm—4:00 pm  
Oceans Ballroom 1-8  
Refreshment Break
Friday, April 10 (con’t)

4:00 pm—5:00 pm  Scientific Session:  
Breast Poster Discussion (Snap Oral)  
Posters can be viewed in advance in Oceans Ballroom 1-8
Moderators:  
Atif J. Khan, MD  
Rutgers Cancer Institute of New Jersey  
New Brunswick, NJ  
Chirag S. Shah, MD  
Summa Health System  
Akron, OH

4:00 pm—5:00 pm  Scientific Session:  
Miscellaneous Poster Discussion (Snap Oral)  
Posters can be viewed in advance in Oceans Ballroom 1-8
Moderators:  
Caroline Holloway, MD, FRCPC  
British Columbia Cancer Agency, Vancouver Island Centre  
Victoria, BC  
Keyur J. Mehta, MD  
Montefiore Medical Center  
Bronx, NY

4:00 pm—6:00 pm  CONTOURING WORKSHOPS

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<tr>
<th>Specialty</th>
<th>Contouring Workshop Moderator(s)</th>
<th>Anatomy</th>
<th>Contouring</th>
<th>Circulators:</th>
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</thead>
</table>
| GYN       | MRI: Beth Erickson, MD, FACR, FASTRO  
CT: Akila Viswanathan, MD, MPH |         | Difficult Cases:  
Sushil Beriwal, MD  
Anuja Jhingran, MD  
Mitchell Kamrava, MD | Sushil Beriwal, MD  
Ivan Buzurovic, PhD  
Antonio Damato, PhD  
Anuja Jhingran, MD  
Mitchell Kamrava, MD  
Jason Rownd, MS  
Catheryn Yashar, MD |
| Skin      | Alexandra Stewart, DM, MRCP, FRCR |         |            | Michele Albert, MD  
Desmond O’Farrell, MSc |
| Prostate  | Juanita Crook, MD, FRCPC | Juanita Crook, MD, FRCPC | TRUS:  
Gerard Morton, MD  
CT:  
Juanita Crook, MD, FRCPC  
MRI:  
Steven Frank, MD | Brett Cox, MD  
Juanita Crook, MD, FRCPC  
Steven Frank, MD  
Mira Keyes, MD, FRCPC  
Patrick McLaughlin, MD  
Gerard Morton, MD |

6:00 pm—8:00 pm  Elekta Customer Dinner
Closer connections will drive tomorrow’s standard of care. At Elekta, our goal is to help you effectively deliver information-guided care — to connect people, processes and technologies in your growing treatment and research network. We believe that better information with transform cancer care.

During the 2015 American Brachytherapy Conference, there will be several opportunities to connect from our Annual Customer Dinner to our Resident Reception.

Register today for the Annual Customer Dinner: Please join Elekta for our annual Customer Reception & Dinner as we present the latest innovations for the treatment of skin, prostate and breast cancer. A distinguished group of speakers will highlight the evening with informative talks on the appropriate use of brachytherapy and compelling scientific data for incorporating this treatment modality into your practice. Elekta will also present its vision for the future of Brachytherapy. Seating is limited so please register early.

- Friday, April 10, 2015 | Networking Reception begins at 6:00 PM, followed by Dinner at 6:45 PM  

Also, stop by the Elekta Booth #301 to discover the latest Elekta brachytherapy solutions.
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00 am—1:00 pm</td>
<td>Registration</td>
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<tr>
<td></td>
<td><em>Oceans Ballroom Foyer</em></td>
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<tr>
<td>7:30 am—8:00 am</td>
<td>Continental Breakfast</td>
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<td><em>Oceans Ballroom 1-8</em></td>
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<tr>
<td>7:30 am—12:30 pm</td>
<td>Commercial Exhibits</td>
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<td><em>Oceans Ballroom 1-8</em></td>
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<tr>
<td>7:50 am—8:00 am</td>
<td>Daily Recap</td>
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<td><em>Crystal Ballroom C/D/E</em></td>
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<tr>
<td>8:00 am—9:00 am</td>
<td>Invited Lecturer: Smarter Radiation Oncology</td>
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<td><em>Crystal Ballroom C/D/E</em></td>
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<tr>
<td>9:00 am—10:30 am</td>
<td>Physics Session III: Innovations in Brachytherapy Devices &amp; Imaging</td>
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<td><em>Crystal Ballroom A/B</em></td>
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**Invited Lecturer:** Smarter Radiation Oncology

**Introduction:**

Jaroslaw T. Hepel, MD  
*2015 Annual Meeting Scientific Program Chair*  
Brown University/Rhode Island Hospital  
Providence, RI

**Speaker:**

Louis Potters, MD, FACR  
North Shore – Long Island Jewish Health System  
Lake Success, NY

**Physics Session III:** Innovations in Brachytherapy Devices & Imaging

**Moderators:**

Antonio Damato, PhD  
Dana-Farber Brigham and Women’s Cancer Care  
Boston, MA

Jacqueline Esthappan, PhD  
Washington University School of Medicine  
Saint Louis, MO

**Panelists:**

J. Adam M. Cunha, PhD  
UCSF Comprehensive Cancer Center  
San Francisco, CA

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

Yan Yu, PhD, MBA, FAAPM  
Thomas Jefferson University Hospital  
Philadelphia, PA
**Saturday, April 11 (cont)**

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<tr>
<th>Time</th>
<th>Location</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>9:00 am—10:30 am</td>
<td>Crystal Ballroom C/D/E</td>
<td><strong>GYN Session IV: Innovative Approaches to Difficult GYN Cases</strong>&lt;br&gt;&lt;br&gt;<strong>Moderator:</strong> Daniel G. Petereit, MD, FASTRO&lt;br&gt;Rapid City Regional Hospital&lt;br&gt;Rapid City, SD&lt;br&gt;&lt;br&gt;<strong>Panelists:</strong>&lt;br&gt;David K. Gaffney, MD, PhD&lt;br&gt;University of Utah&lt;br&gt;Salt Lake City, UT&lt;br&gt;Joe Hsu, MD&lt;br&gt;UCSF Comprehensive Cancer Center&lt;br&gt;San Francisco, CA&lt;br&gt;Ann H. Klopp, MD&lt;br&gt;UT MD Anderson Cancer Center&lt;br&gt;Houston, TX&lt;br&gt;Subir Nag, MD, FACR, FASTRO&lt;br&gt;Kaiser Permanente–Northern California&lt;br&gt;Santa Clara, CA</td>
</tr>
<tr>
<td>9:00 am—10:30 am</td>
<td>Oceans Ballroom 12</td>
<td><strong>Scientific Session:</strong>&lt;br&gt;Prostate Poster Discussion <em>(Snap Oral)</em>&lt;br&gt;Posters can be viewed in advance in Oceans Ballroom 1-8&lt;br&gt;&lt;br&gt;<strong>Moderators:</strong>&lt;br&gt;Albert J. Chang, MD, PhD&lt;br&gt;University of California San Francisco&lt;br&gt;San Francisco, CA&lt;br&gt;Thomas J. Pugh, MD&lt;br&gt;UT MD Anderson Cancer Center&lt;br&gt;Houston, TX</td>
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<tr>
<td>10:30 am—10:45 am</td>
<td>Oceans Ballroom 1-8</td>
<td><strong>Refreshment Break</strong></td>
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### Saturday, April 11 (con’t)

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<tr>
<th>Time</th>
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<th>Event Description</th>
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| 10:45 am—12:15 pm | Crystal Ballroom C/D/E | Prostate Session III: Securing the Future: Challenges and Innovations in Prostate Brachytherapy Training  
**Moderator:**  
Mira Keyes, MD, FRCPC  
British Columbia Cancer Agency  
Vancouver, BC  
**Speakers:**  
Defining Competence: The State of Brachytherapy Training in Graduate Medical Education  
Albert J. Chang, MD, PhD  
University of California San Francisco  
San Francisco, CA  
Continuing Medical Education in Brachytherapy  
Steven J. Frank, MD  
UT MD Anderson Cancer Center  
Houston, TX  
Phantom-Based Brachytherapy Training  
Nikhil G. Thaker, MD  
UT MD Anderson Cancer Center  
Houston, TX |
| 10:45 am—12:15 pm | Crystal Ballroom A/B | Scientific Session: Physics Poster Discussion (Snap Oral)  
Posters can be viewed in advance in Oceans Ballroom 1-8  
**Moderators:**  
Deidre L. Batchelar, PhD, FCCPM  
British Columbia Cancer Agency—Centre for the Southern Interior  
Kelowna, BC  
Christopher S. Melhus, PhD  
Tufts Medical Center  
Boston, MA |
| 10:45 am—12:15 pm | Oceans Ballroom 12 | Scientific Session:  
GYN Poster Discussion (Snap Oral)  
Posters can be viewed in advance in Oceans Ballroom 1-8  
**Moderators:**  
Junzo P. Chino, MD  
Duke University Medical Center  
Durham, NC  
David K. Gaffney, MD, PhD  
University of Utah  
Salt Lake City, UT |
| 12:15 pm          |                | Meeting Adjourns                                                                   |

*Speakers, times and sessions are subject to change. The view of any speaker may not necessarily be the views of the American Brachytherapy Society*
2015 Annual Meeting Ancillary Meetings

Friday, April 10
7:00 am - 8:00 am | Palani Room
Physics Committee Meeting

Saturday, April 11
7:00 am - 8:00 am | Palani Room
Patient Safety Meeting

Thank you to our 2015 Annual Meeting Sponsors

Best Medical
- 2015 Ulrich Henschke Award

Elekta
- Annual Meeting Mobile App
- Judith Stitt Best Paper Awards
- Laptop Computers for Contouring Sessions
- 2015 HDR Brachytherapy Scholarship Programs

Hologic
- Welcome Reception

IsoAid
- 2015 LDR Prostate Brachytherapy Scholarship

Oncura, a GE Company
- Residents’ Luncheon
- 2015 Resident Travel Grants

Theragenics Corporation
- Friday Membership Luncheon
- 2015 LDR Prostate Brachytherapy Scholarship

Varian Medical Systems
- Coffee Breaks
- Laptop Computers for Contouring Sessions
- 2015 HDR Brachytherapy Scholarship Programs

Meet Our Exhibitors and Be Eligible for Prize Drawings!
Your attendee envelope includes a signature card for each exhibiting company. Get your card completely filled out and turn it in to the ABS registration desk by 5:00 pm on Friday afternoon. On Saturday morning there will be two prize drawings for those eligible to participate. Each winner will take home a new i-PAD Mini!
Future ABS Meetings

November 9-10, 2015
(GYN School)
Westin Chicago River North
Chicago, IL

June 27-29, 2016
(2016 World Congress)
San Francisco Hilton
San Francisco, CA

November 14-15, 2016
(Breast School)
Westin Chicago River North
Chicago, IL

April 20-22, 2017
(2017 Annual Conference)
Seaport Hotel
Boston, MA