



American
Brachytherapy
Society

Final Program

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

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Renaissance Orlando at SeaWorld®

**Brachytherapy for the Future:
Innovative, Precise, Effective,
and Affordable**





2015 Annual Meeting Scientific Program Committee

Jaroslav 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
Tempe, 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 Dattatreyyudu 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. Neblett, MS

ABS Annual Meeting

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Renaissance Orlando at SeaWorld®

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.



2015 Ulrich Henschke Award Recipient

Bruce Thomadsen, Ph.D., DABR, DABHP, DABMP, FAAPM

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:



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Platinum Level



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Faculty Listing

Michele Albert, MD

Radiation Oncologist
Dana-Farber Brigham and
Women's Cancer Care
Boston, MA

Joanne Alfieri, MD, CM

Radiation Oncologist
McGill University
Montreal, QC

Douglas W. Arthur, MD

Professor and Vice Chairman
Virginia Commonwealth
University
Richmond, VA

**Deidre L. Batchelar, PhD,
FCCPM**

Senior Medical Physicist
British Columbia Cancer
Agency - Centre for the
Southern Interior
Kelowna, BC

Luc Beaulieu, PhD

Professor and Director of the
Cancer Research Center
Hotel-Dieu De Quebec, CHUQ
Quebec City, QC

Sushil Beriwal, MD

Residency Program Director
Radiation Oncology
University of Pittsburgh
Pittsburgh, PA

David C. Beyer, MD, FASTRO

Medical Director
Arizona Oncology Services
Physicians
Phoenix, AZ

Ajay Bhatnagar, MD, MBA

Medical Director
Cancer Treatment Services
Arizona, LLC
Casa Grande, AZ

Nathan H.J. Bittner, MD, MS

Radiation Oncologist
Tacoma Valley Radiation
Oncology Center
Tacoma, WA

Wayne M. Butler, PhD

Medical Physicist
Schiffler Cancer Center/
Wheeling Hospital
Wheeling, WV

Ivan Buzurovic, PhD

Medical Physicist
Dana Farber Brigham
Women's Cancer Center
Boston, MA

Manjeet Chadha, MD

Assistant Chair
Radiation Oncology
Beth Israel Medical Center
New York, NY

Albert J. Chang, MD, PhD

Radiation Oncologist
University of California
San Francisco
San Francisco, CA

Peter Y. Chen, MD, FACR

Professor
Beaumont Health System
Bloomfield Hills, MI

Junzo P. Chino, MD

Assistant Professor
Duke University
Durham, NC

Brett W. Cox, MD

Chief of Brachytherapy
Long Island Jewish
Medical Center
New Hyde Park, NY

Juanita M. Crook, MD, FRCPC

Professor, Radiation Oncology
Cancer Center for the
Southern Interior
Kelowna, BC

J. Adam M. Cunha, PhD

Assistant Professor
UCSF Comprehensive
Cancer Center
San Francisco, CA

Antonio Damato, PhD

Medical Physicist
Dana-Farber Brigham and
Women's Cancer Care
Boston, MA

**Phillip M. Devlin, MD, FACR,
FASTRO, FFRCSI (Hon)**

Chief, Director of Brachytherapy
Harvard Medical School
Boston, MA

Thomas A. DiPetrillo, MD

Clinical Director, Vice Chair
Tufts Medical Center
Boston, MA

Laura A. Doyle, MS

Medical Physicist
Thomas Jefferson University
Hospital
Philadelphia, PA

David P. D'Souza, MD

Radiation Oncologist
London Health Sciences Center
London, ON

Mohamed A. Elshaikh, MD
Director, Residency Training Program
Henry Ford Health Systems
Detroit, MI

**Beth A. Erickson, MD,
FACR, FASTRO**
Professor
Medical College of Wisconsin
Milwaukee, WI

Benjamin P. Falit, MD, JD
Resident
Brigham & Women's Hospital
Boston, MA

Christine M. Fisher, MD, MPH
Assistant Professor
University of Colorado Denver
Aurora, CO

Steven J. Frank, MD
Associate Professor
UT MD Anderson Cancer Center
Houston, TX

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

David K. Gaffney, MD, PhD
Professor, Radiation Oncology
University Of Utah
Salt Lake City, UT

Sharad Goyal, MD
Associate Professor
Cancer Institute of New Jersey
New Brunswick, NJ

Jaroslav T. Hepel, MD
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**Caroline L. Holloway, MD,
FRCPC**
Radiation Oncologist
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Vancouver Island Centre
Victoria, BC

Joe Hsu, MD
Professor, Radiation Oncology
UCSF Comprehensive
Cancer Center
San Francisco, CA

Anuja Jhingran, MD
Professor
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Mitchell Kamrava, MD
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Mira Keyes, MD, FRCPC
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Usama Mahmood, MD
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Associate Professor
Sunnybrook Odette Cancer Centre
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Firas Mourtada, PhD, DABR, FAAPM
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Christiana Care Health System
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Subhakar Mutyala, MD
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Scott & White Healthcare System
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Subir Nag, MD, FACR, FASTRO
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Desmond A. O'Farrell, MSc
Clinical Physicist
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Zoubir Ouhib, MS, DABR
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Pretesh Patel, MD
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Emory University
Atlanta, GA



Daniel G. Petereit, MD, FASTRO
Radiation Oncologist
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Rapid City, SD

Louis Potters, MD, FACR
Chairman, Radiation Oncology
North Shore - Long Island
Jewish Health System
Lake Success, NY

Bradley R. Prestidge, MD, MS
Medical Director
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Norfolk, VA

Thomas J. Pugh, MD
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Houston, TX

Susan Richardson, PhD
Medical Physicist
Swedish Cancer Institute
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Mack Roach, MD, FACR
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Jason Rownd, MS
Medical Physicist
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Daniel J. Scanderbeg, PhD
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San Diego Medical Center
San Diego, CA

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

Daya N. Sharma, MD
Assistant Professor
All India Institute of
Medical Sciences
New Delhi, India

Shirin Sioshansi, MD
Assistant Professor
UMass Memorial Medical Center
Worcester, MA

Ronald S. Sloboda, PhD, FCCM
Senior Medical Physicist
Cross Cancer Institute
Edmonton, AB

Alexandra J. Stewart, DM, MRCP, FRCR
Consultant Clinical Oncologist,
Senior Lecturer
Royal Surrey County Hospital
Guildford

Nikhil G. Thaker, MD
Resident Physician
UT MD Anderson Cancer Center
Houston, TX

Bruce R. Thomadsen, PhD, DABR, DABHP, DABMP, FAAPM
Professor, Medical Physics
University of Wisconsin, Madison
Madison, WI

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

Frank A. Vicini, MD, FACR
National Director, Breast Care Services
Michigan Healthcare Professionals
Farmington, MI

Akila N. Viswanathan, MD, MPH
Chief, Gynecologic Radiation Oncology
Dana-Farber Brigham and Women's
Cancer Care
Boston, MA

David E. Wazer, MD, FACR, FASTRO
Professor and Chairman, Radiation
Oncology
Tufts and Brown University
Boston, MA

Ravindra Yaparpalvi, MS
Senior Physicist
Montefiore Medical Center
Bronx, NY

Catheryn M. Yashar, MD
Associate Professor
University of California, San Diego
La Jolla, CA

Yan Yu, PhD, MBA, FAAPM
Director & Professor, Division
of Medical Physics
Thomas Jefferson
University Hospital
Philadelphia, PA

Speaker Ready Room

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

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

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
Chicago, IL

Jason D. Kehrler, 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

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

Sponsored by Elekta and Varian Medical Systems



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

12:00 pm—6:30 pm Registration and Commercial Exhibit Set-Up

Oceans Ballroom Foyer/Oceans Ballroom 1-8

Thursday, April 9

7:00 am—5:30 pm Registration

Oceans Ballroom Foyer

7:30 am—8:00 am Continental Breakfast

Oceans Ballroom 1-8

7:30 am—7:00 pm Commercial Exhibits

Oceans Ballroom 1-8 Including Welcome Reception

7:55 am—8:00 am Welcome

Crystal Ballroom C/D/E

Jaroslaw T. Hepel, MD

2015 Annual Meeting Scientific Program Chair

*Brown University/Rhode Island Hospital
Providence, RI*

8:00 am—9:00 am

Crystal Ballroom C/D/E

Breast Session I:

**Review and Updates of Breast Brachytherapy
(Self-Assessment Module Credit Course)**

Speakers:

Peter Y. Chen, MD, FACR

*Oakland University-William Beaumont School of Medicine
Royal Oak, MI*

Shirin Sioshansi, MD

*UMass Memorial Medical Center
Worcester, MA*

8:00 am—9:00 am

Crystal Ballroom A/B

Scientific Session:

Prostate Proffered Papers I

Moderators:

Brett W. Cox, MD

*Long Island Jewish Medical Center
New Hyde Park, NY*

Bradley R. Prestidge, MD, MS

*DePaul Medical Center
Norfolk, VA*

Thursday, April 9 (con't)

9:00 am—10:15 pm

Crystal Ballroom C/D/ E

**Innovations in Treatment Planning:
Will Heterogeneity Correction
Revolutionize Brachytherapy?**

Moderators:

Regina K. Fulkerson, PhD

*Regina K. Fulkerson Consultants, LLC
Dundee, NY*

**Bruce R. Thomadsen, PhD, DABR, DABHP,
DABMP, FAAPM**

*University of Wisconsin – Madison
Madison, WI*

Panelists:

Luc Beaulieu, PhD

*Hotel-Dieu De Quebec, CHUQ
Quebec City, QC*

Firas Mourtada, PhD, DABR, FAAPM

*Christiana Care Health System
Newark, DE*

Mark J. Rivard, PhD, FAAPM

*Tufts University School of Medicine
Boston, MA*

10:15 am—10:45 am Refreshment Break

Oceans Ballroom 1-8

Thursday, April 9 (con't)

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, FACR

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, FACR, FASTRO

Tufts and Brown University
Boston, MA

Thursday, April 9 (con't)

12:15 pm—1:00 pm **Resident Luncheon** *(Residents Only)*

Nomeus

Sponsored by:



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1:00 pm—2:00 pm

Crystal Ballroom C/D/ E

**GYN Session I:
Interstitial GYN Brachytherapy Made Simple**

Moderator:

Anuja Jhingran, MD

*UT MD Anderson Cancer Center
Houston, TX*

Speakers:

Sushil Beriwal, MD

*University of Pittsburgh
Pittsburgh, PA*

Anuja Jhingran, MD

*UT MD Anderson Cancer Center
Houston, TX*

Catheryn M. Yashar, MD

*University of California, San Diego
La Jolla, CA*

1:00 pm—2:00 pm

Crystal Ballroom A/B

**Miscellaneous Session I:
Skin Brachytherapy**

Moderator:

Phillip M. Devlin, MD, FACR, FASTRO, FFRC SI (Hon)

*Harvard Medical School
Boston, MA*

Speakers:

Electronic Brachytherapy for Skin Malignancies

Ajay Bhatnagar, MD, MBA

*Cancer Treatment Services Arizona, LLC
Casa Grande, AZ*

HDR Brachytherapy for Skin Malignancies

Subhakar Mutyala, MD

*Scott & White Healthcare System
Temple, TX*

Physics of Skin Brachytherapy

Desmond A. O'Farrell, MSc

*Brigham & Women's Hospital
Boston, MA*

Thursday, April 9 (con't)

2:00 pm—3:30 pm

Crystal Ballroom A/B

**Physics Session II:
Innovations in Brachytherapy QA
(Self-Assessment Module Credit Course)**

Moderators:

Wayne M. Butler, PhD

*Schiffler Cancer Center/Wheeling Hospital
Wheeling, WV*

Ronald S. Sloboda, PhD

*Cross Cancer Institute
Edmonton, AB*

Panelists:

Zoubir Ouhib, MS, DABR

*Lynn Cancer Institute
Delray Beach, FL*

Daniel J. Scanderbeg, PhD

*University of California San Diego Medical Center
San Diego, CA*

**Bruce R. Thomadsen, PhD, DABR, DABHP,
DABMP, FAAPM**

*University of Wisconsin – Madison
Madison, WI*

2:00 pm—3:30 pm

Crystal Ballroom C/D/E

**GYN Session II: Debate—Fractionation in GYN:
Efficacy, Toxicity, and Cost**

Moderator:

Manjeet Chadha, MD

*Beth Israel Medical Center
New York, NY*

Panelists:

Joanne Alfieri, MD, CM

*McGill University
Montreal, QC*

Daya N. Sharma, MD

*All India Institute of Medical Sciences
New Delhi, India*

Akila N. Viswanathan, MD, MPH

*Dana-Farber Brigham and Women's Cancer Care
Boston, MA*

3:30 pm—4:00 pm

Oceans Ballroom 1-8

Refreshment Break

Thursday, April 9 (con't)

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*

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

Specialty	Contouring Workshop Moderator(s)	Anatomy	Contouring	Circulators:
GYN <i>For Beginner Users</i> <i>Oceans Ballroom 9</i>  <i>Laptop Provider</i>	Beth Erickson, MD, FACR, FASTRO	Beth Erickson, MD, FACR, FASTRO	MRI: Beth Erickson, MD, FACR, FASTRO CT: Akila Viswanathan, MD, MPH	Sushil Beriwal, MD Ivan Buzurovic, PhD Antonio Damato, PhD Anuja Jhingran, MD Mitchell Kamrava, MD Jason Rownd, MS Catheryn Yashar, MD
Skin <i>Oceans Ballroom 10</i>	Subhakar Mutyala, MD			Michele Albert, MD Desmond O'Farrell, MSc Alexandra Stewart, DM, MRCP, FRCR
Prostate <i>For Beginner Users</i> <i>Oceans Ballroom 11</i>  <i>Laptop Provider</i>	Juanita Crook, MD, FRCPC	Juanita Crook, MD, FRCPC	TRUS: Gerard Morton, MD CT: Juanita Crook, MD, FRCPC MRI: Patrick McLaughlin, MD	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

Crystal Ballroom 1-8

Sponsored by: 

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

Discovery Ballroom

"Opportunities & Opinions"

Engaging discussions on issues in brachytherapy

Sponsored by:



Join the Varian BrachyTherapy roundtable event. The evening begins with a series of brief presentations on topical brachytherapy issues. Following the presentations, participate in engaging interactive roundtable dialogue. For more information & to register, go to "www.myvarian.com, click on Event Central and Events. Dinner will be served during the program (no CME offered).

Friday, April 10

7:00 am—5:45 pm **Registration**

Oceans Ballroom Foyer

7:30 am—8:00 am **Continental Breakfast**

Oceans Ballroom 1-8

7:30 am—5:00 pm **Commercial Exhibits**

Oceans Ballroom 1-8

7:55 am—8:00 am **Daily Recap**

Crystal Ballroom C/D/ E

Jaroslav T. Hepel, MD

2015 Annual Meeting Scientific Program Chair

Brown University/Rhode Island Hospital

Providence, RI

8:00 am—9:00 am

Crystal Ballroom C/D/ E

**Breast Session II:
Innovations and Future of Breast Brachytherapy**

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

8:00 am—9:00 am

Crystal Ballroom A/B

**Scientific Session:
GYN Proffered Papers II**

Moderators:

Anuja Jhingran, MD

UT MD Anderson Cancer Center

Houston, TX

Catheryn M. Yashar, MD

University of California, San Diego

La Jolla, CA

Friday, April 10 (con't)

8:00 am—9:00 am **Scientific Session:**
Oceans Ballroom 12 **Miscellaneous Proffered Papers**

Moderators:

Subhakar Mutyala, MD

*Scott & White Healthcare System
Temple, TX*

Ravindra Yaparpalvi, MS

*Montefiore Medical Center
Bronx, NY*

9:00 am—10:00 am **Prostate Session II:**
Crystal Ballroom C/D/ E **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*

9:00 am—10:00 am **GYN Session III:**
Crystal Ballroom A/B **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)

10:00 am—11:00 am

Crystal Ballroom C/D/ E

Miscellaneous Session II: Lung, GI, and Brachyablation

Moderator:

Caroline L. Holloway, MD, FRCPC

*BC Cancer Agency, Vancouver Island Centre
Victoria, BC*

Speakers:

Lung Wedge with Brachy—Alive?

Thomas A. DiPetrillo, MD

*Tufts Medical Center
Boston, MA*

**Innovation Approaches:
Brachyablation**

Mitchell Kamrava, MD

*UCLA
Los Angeles, CA*

**Update and Innovations in Brachytherapy
for Esophagus and Rectum**

Alexandra J. Stewart, DM, MRCP, FRCR

*Royal Surrey County Hospital
Surrey, United Kingdom*

10:00 am—11:00 am

Crystal Ballroom A/B

Scientific Session: Prostate Proffered Papers II

Moderators:

Gerard C. Morton, MD

*Sunnybrook Odette Cancer Centre
Toronto, ON*

Pretesh R. Patel, MD

*Emory University
Atlanta, GA*

10:00 am—11:00 am

Oceans Ballroom 12

Scientific Session: Socio-Economic Proffered Papers

Moderators:

Nathan H.J. Bittner, MD,MS

*Tacoma Valley Radiation Oncology Centers
Tacoma, WA*

Benjamin P. Falit, MD, JD

*Brigham and Women's Hospital
Boston, MA*

11:00 am—11:15 am

Refreshment Break

Oceans Ballroom 1-8

Friday, April 10 (con't)

**11:15 am—12:15 pm Plenary Session:
Top Four Abstracts**

Crystal Ballroom C/D/E

Moderator:

Jaroslav T. Hepel, MD

2015 Annual Meeting Scientific Program Chair
*Brown University/Rhode Island Hospital
Providence, RI*

*Judith Stitt Award
Sponsored by:*



ELEKTA

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 **Ulrich Henschke Award** (No CME Credit Offered)

Crystal Ballroom C/D/ E

Sponsored by:



Presented by:
Daniel G. Petereit, MD, FASTRO
Rapid City Regional Hospital
Rapid City, SD

12:45 pm—2:00 pm **ABS Member Lunch and Annual Business Meeting**

Discovery Ballroom

(Event for ABS members only)

Sponsored by:

THERAGENICS CORPORATION

2:00 pm—3:30 pm **Pay Now or Pay Later... Why Brachytherapy Reimbursements Are Critical in Saving Lives and Radiation Oncology as a Whole**

Crystal Ballroom C/D/ E

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 **Refreshment Break**

Oceans Ballroom 1-8

Friday, April 10 (con't)

4:00 pm—5:00 pm
Crystal Ballroom A/B

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
Crystal Ballroom C/D/E

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

Specialty	Contouring Workshop Moderator(s)	Anatomy	Contouring	Circulators:
GYN <i>Advanced Users</i> Oceans Ballroom 9  Laptop Provider	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 Oceans Ballroom 10	Alexandra Stewart, DM, MRCP, FRCR			Michele Albert, MD Desmond O'Farrell, MSc
Prostate <i>Advanced Users</i> Oceans Ballroom 11  Laptop Provider	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

Discovery Ballroom

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.

Sponsored by:



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
- Please register at: HYPERLINK "<http://www.elekta.com/abs2015>" www.elekta.com/abs2015

Also, stop by the Elekta Booth #301 to discover the latest Elekta brachytherapy solutions.

Saturday, April 11

7:00 am—1:00 pm **Registration**

Oceans Ballroom Foyer

7:30 am—8:00 am **Continental Breakfast**

Oceans Ballroom 1-8

7:30 am—12:30 pm **Commercial Exhibits**

Oceans Ballroom 1-8

7:50 am—8:00 am **Daily Recap**

Crystal Ballroom C/D/ E

Jaroslav T. Hepel, MD

2015 Annual Meeting Scientific Program Chair
*Brown University/Rhode Island Hospital
Providence, RI*

8:00 am—9:00 am

Crystal Ballroom C/D/ E

Invited Lecturer:
Smarter Radiation Oncology

Introduction:

Jaroslav 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*

9:00 am—10:30 am

Crystal Ballroom A/B

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 (con't)

9:00 am—10:30 am

Crystal Ballroom C/D/E

GYN Session IV: Innovative Approaches to Difficult GYN Cases

Moderator:

Daniel G. Petereit, MD, FASTRO

*Rapid City Regional Hospital
Rapid City, SD*

Panelists:

David K. Gaffney, MD, PhD

*University of Utah
Salt Lake City, UT*

Joe Hsu, MD

*UCSF Comprehensive Cancer Center
San Francisco, CA*

Ann H. Klopp, MD

*UT MD Anderson Cancer Center
Houston, TX*

Subir Nag, MD, FACR, FASTRO

*Kaiser Permanente-Northern California
Santa Clara, CA*

9:00 am—10:30 am

Oceans Ballroom 12

Scientific Session: Prostate Poster Discussion (*Snap Oral*)

Posters can be viewed in advance in Oceans Ballroom 1-8

Moderators:

Albert J. Chang, MD, PhD

*University of California San Francisco
San Francisco, CA*

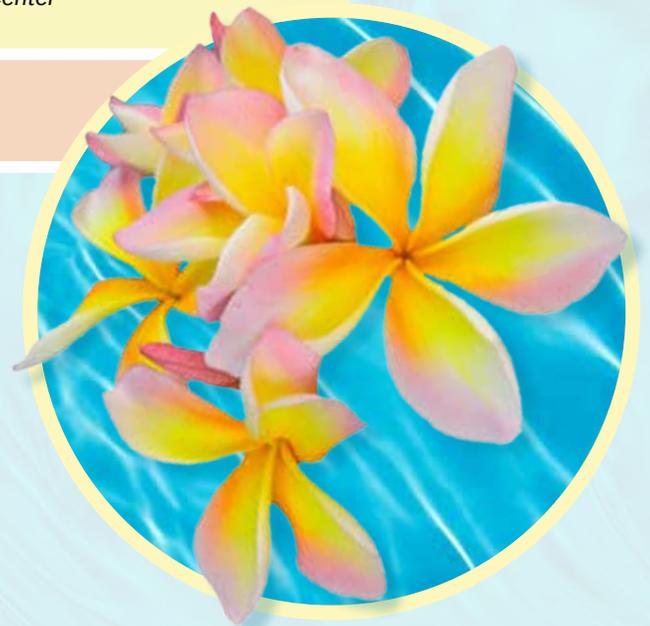
Thomas J. Pugh, MD

*UT MD Anderson Cancer Center
Houston, TX*

10:30 am—10:45 am

Oceans Ballroom 1-8

Refreshment Break



Saturday, April 11 (con't)

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

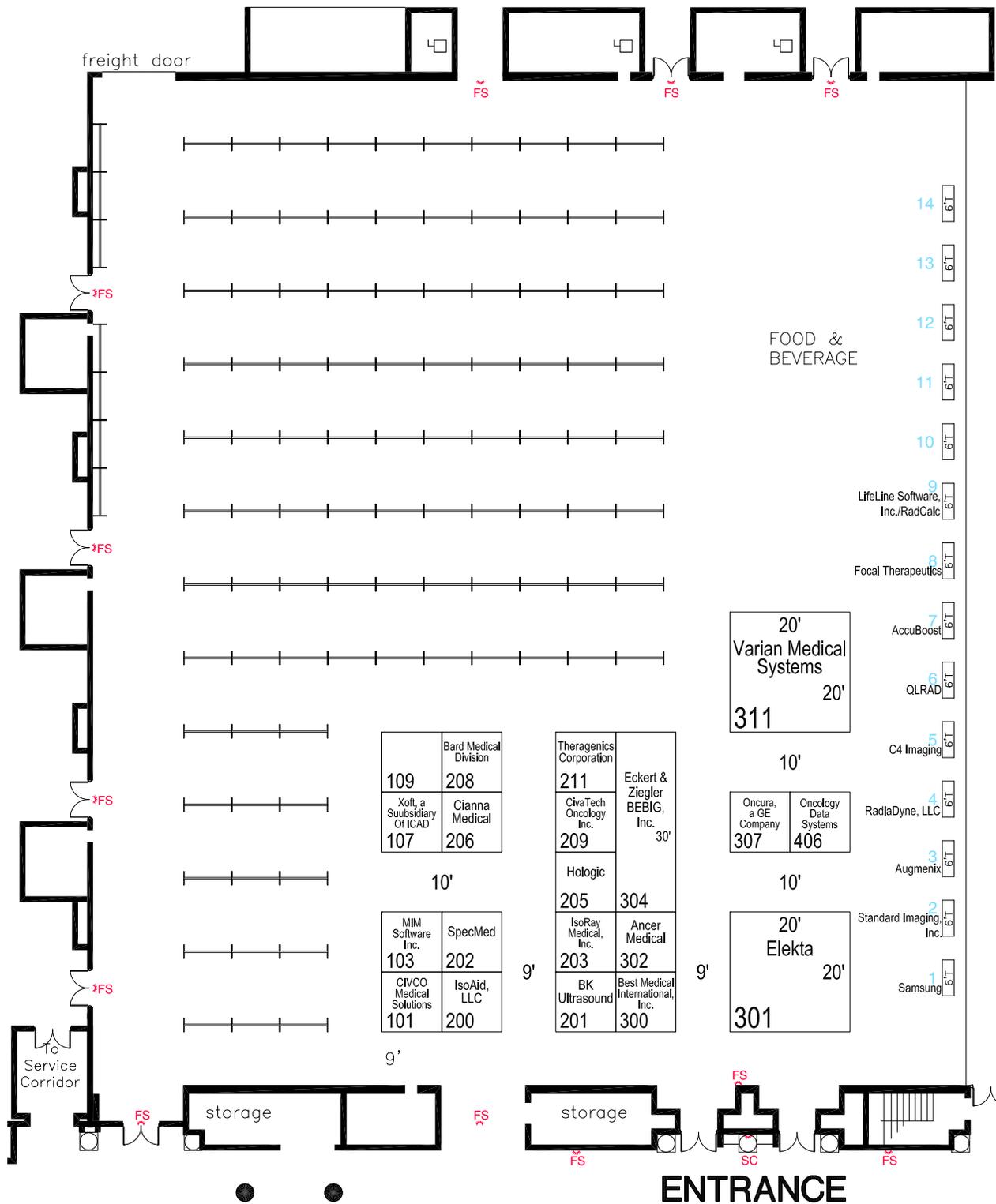


Meet Our Exhibitors and Be Eligible for Prize Drawings!

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!

Exhibitor Floor Plan

Oceans Ballroom 1-8



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



American
Brachytherapy
Society