Conflict of Interest and Off-Label Disclosure Statement

Presenters at this conference 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 Essential Areas and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of University Health Services Professional Education Programs (UHS-PEP) of Virginia Commonwealth University Health System and 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 20 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. 2.0 CEUs will be awarded and recorded with the University.

Applications will also be made for CAMPEP and MDCB credits for the ABS 2011 Annual Meeting.

Self-assessment module (SAM) credit will be available after completion of online examination which will be posted after the meeting.

Learning Objectives

At the conclusion of this meeting, the successful learner should be able to:

1. describe recent advances in the management of gynecologic, prostate and breast cancer brachytherapy
2. identify research developments in gynecologic, prostate and breast cancer brachytherapy
3. evaluate clinical implementation of heterogeneity corrections for brachytherapy dose calculations
4. evaluate clinical advances in microbrachytherapy
5. distinguish the importance of performance measures and learn about the “Public Reporting of Health Care Outcomes” from a national expert in cardiothoracic surgery
6. compare, contrast and understand the pros and cons of protons, photons and brachytherapy for prostate cancer
7. analyze the principles of image-based brachytherapy for cervical cancer including the advantages, costs and uncertainties, and review the current state of practice in the U.S. and in Europe
8. evaluate what defines a quality prostate brachytherapy implant
9. specify principles regarding optimizing vaginal brachytherapy
10. evaluate difficult cases in gynecologic, prostate, and breast cancers with audience participation
11. discuss the management of sarcomas, skin cancers and thoracic tumors
12. understand changes with regards to the focused practice in brachytherapy initiative approved by ABMS
13. discuss how to set up a brachytherapy practice
As brachytherapy comes under increasing scrutiny in the public limelight, the requests of regulators and patients for public reporting of brachytherapy-related outcomes will continue to expand. As physicians with an interest and practice that includes brachytherapy, understanding how other surgical specialties have dealt with similar issues is important for us to move forward in the best way possible.

The ABS is pleased to have Dr. David M. Shahian speak Friday on “Public Reporting of Health Care Outcomes – A Century After Codman.” Dr. Shahian is a cardiothoracic surgeon who has been involved with health policy issues for nearly two decades, particularly in the area of performance measurement. As Chair of the Society of Thoracic Surgeons (STS) Adult Cardiac Database and its Quality Measurement Task Force, he led development of the STS composite CABG performance measure and the recent extensive revision of its 27 cardiac surgery risk models. In his current position as Chair of the STS Work Force on National Databases, he is ultimately responsible for the all STS database activities including their three major databases (adult cardiac, congenital, and general thoracic), quality measurement, external linkages, and quality improvement activities.

Dr. Shahian is Vice-Chair of the NQF Health Professional’s Council and Chair of the NQF Task Force on Evidence. He serves on the ACC/AHA Performance Measurement Task Force and the ACC Clinical Quality Steering Committee, and he is a member of the AMA PCPI Executive Committee. At MGH, Dr. Shahian serves as Associate Director of the Codman Center for Clinical Effectiveness in Surgery; he is a member of the Department of Surgery Executive Quality Committee; and he is a member of the leadership team of the Edward Lawrence Center for Quality and Safety.

Dr. Shahian has been an advocate of responsible public reporting of healthcare outcomes. He was a leader in the development of the mandatory public report card program for cardiac surgery and PCI in Massachusetts, and he still serves as Senior Surgical Advisor for that initiative. In 2010, he was a leader in the design and implementation of the Society of Thoracic Surgeon’s voluntary public reporting initiative, the first national program of its kind.

Dr. Shahian’s research has focused on performance measurement and related health policy issues. Examples include the application of statistical quality control techniques to cardiac surgery; econometric modeling of quality as a factor in selecting cardiac surgery providers; use of hierarchical models for outcomes profiling; clinical versus administrative data for provider profiling; composite performance measures; covariate imbalance and the perils of directly comparing indirectly standardized “risk-adjusted” outcomes; alternative approaches to outlier determination; the volume outcome association; and issues with hospital-wide mortality rate as a quality metric.

Dr. Shahian recently published an article in the New England Journal of Medicine entitled, “Variability in the Measurement of Hospital-wide Mortality Rates.” This study showed that four commonly used methods to calculate hospitals’ risk-adjusted rates of death produced different results. The same hospitals were classified as having higher-than-expected mortality by one method and lower-than-expected mortality by other methods.

Dr. Shahian is a Professor of Surgery at the Massachusetts General Hospital, Harvard Medical School.
2011 Annual Meeting
Scientific Program Committee

Akila Viswanathan, MD, MPH
Scientific Program Chairman
Associate Professor of Radiation Oncology
Chief, Gynecologic Radiation Oncology
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Scottsdale, AZ

Christopher S. Melhus, PhD
Tufts Medical Center
Boston, MA

Josh Yamada, MD
Associate Attending
Department of Radiation Oncology
Memorial Sloan-Kettering Cancer Center
New York, NY

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
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 Beyer, MD
2000 James Fontanesi, MD
1999 Subir Nag, MD
1998 Kent Wallner, MD
1996-97 Burton L. Speiser, MD
1995 Arthur T. Porter, MD
1994 John C. Blasko, MD

ABS Past Presidents

1993 Louis B. Harrison, MD
1992 Alvaro A. Martinez, MD
1991 Kenneth H. Luk, MD
1990 Peter A. Fleming, MD
1989 Dattatreyudu Nori, MD
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1987 Luis Delclos, MD
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1985 Don R. Goffinet, MD
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1982 Ajmel A. Puthawala, MD
1981 Paul Y. M. Chan, MD
1980 Aaron G. Fingerhut, MD
1979 David L. Neblett, MS
1978 Harvey S. Frey, MD, PhD
Dr. Lee completed his undergraduate education at the College of William and Mary in Williamsburg, Virginia where he received degrees in Chemistry and Classical Studies. He received his medical degree from the University of Virginia in Charlottesville; the lovely academic village in which he met Colleen, his wife of 20 years. After internship, he completed his radiation oncology residency at the University of Florida in 1993. He subsequently accepted a junior faculty position at Fox Chase Cancer Center in Philadelphia and remained there until 1996. During this period he worked closely with Dr. Gerald Hanks and published numerous papers on the early use of three-dimensional conformal radiotherapy for the treatment of prostate cancer.

In 1996 he was recruited to the Wake Forest School of Medicine in Winston-Salem, North Carolina by Dr. Ed Shaw. He would remain at Wake Forest for ten years. At Wake Forest, with the assistance of Al deGuzman, a clinical physicist, Dr. Lee initiated a low-dose prostate brachytherapy program. During this period he trained several residents (and three urologists). He also developed an HDR program for prostate cancer with the assistance of a clinical physicist, Mahta Mirzaei. During the decade in Winston-Salem he completed coursework for two Masters' Degrees; one in Clinical Epidemiology from Wake Forest University and another in Adult Education from Pennsylvania State University (which was completed on-line). In 2006 Dr. Lee was recruited by Dr. Chris Willett to Duke University and has remained there for the last five years. He is currently Professor of Radiation Oncology, Associate Professor of Urology and also the Program Director for the Duke Radiation Oncology Residency Training program. Dr. Lee's clinical efforts are focused on the treatment of prostate cancer with radiotherapy (brachytherapy and external beam).

His current clinical research interests include: novel fractionation schedules in the treatment of prostate cancer and measures of quality in prostate brachytherapy. He is the PI of a recently completed NCI-supported Phase III trial comparing hypofractionated external beam radiotherapy (70 Gy in 28 fractions) to conventionally fractionated external beam radiotherapy (73.8 Gy in 41 fractions) and he is the PI of an in-house stereotactic body radiotherapy (SBRT) protocol for early stage prostate cancer protocol (5 fractions in 2.5 weeks). He is also the PI of a Phase II RTOG trial examining the efficacy and toxicity of LDR brachytherapy combined with external radiotherapy for intermediate risk prostate cancer.

He is the current Chair of the Residency Review Committee of the Accreditation Council of Graduate Medical Education (ACGME) which oversees the accreditation of all Radiation Oncology training programs in the United States. His educational research interests focus on the responsible integration of educational technologies into the training of residents and fellows. He is currently developing a curriculum devoted to improving medical decision making for patients and health care professionals.

Dr. Lee has been an active participant in the ABS serving on the Board of Directors, Scientific Program Chair for the Annual Meeting and ABS President in 2007. He continues to be involved in the ABS Prostate schools and the ABS Annual Meeting. He is also the Editor-in-Chief of Practical Radiation Oncology, a new peer-reviewed journal.

Dr. Lee lives in Chapel Hill with his wife, Colleen, and their four children; Hannah, Zachary, Abigail and Adam. He spends his free time skiing/hiking/vacationing with his family, reading (cognitive psychology of late) and watching his children play soccer. He is an avid fan of college basketball and college and professional soccer.
Annual Meeting Faculty

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American Board of Radiology  
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Radiation Physics  
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**Speaker Ready Room**

For uploading your presentations, the Molly A Room on the Second Level of the hotel will serve as the Speaker Ready Room. You must upload your presentation at least one hour prior to presenting.
Wednesday, April 13
11:00 am – 6:30 pm  Registration and Commercial Exhibit Set-Up

Thursday, April 14
7:30 am – 7:00 pm  Commercial Exhibits | Hall Opens
7:00 am – 5:45 pm  Registration
7:30 – 7:55 am  Continental Breakfast
7:55 – 8:00 am  Welcome
Akila Viswanathan, MD, MPH
Dana-Farber Brigham and Women’s Cancer Center
Boston, MA
8:00 – 9:30 am  Updates in Brachytherapy for Gynecologic Neoplasms
(Self-Assessment Module credit course)
Beth Erickson, MD
Medical College of Wisconsin
Milwaukee, WI
8:00 – 9:30 am  Scientific Session: Prostate Brachytherapy
Proffered Papers I
Moderators:
I-Chow “Joe” Hsu, MD
University of California San Francisco
San Francisco, CA
Thomas G. Shanahan, MD
University Radiologists
Springfield, IL
8:00 – 9:30 am  Scientific Session: Breast Brachytherapy
Poster Discussion
Moderators:
Peter Y. Chen, MD
William Beaumont Hospital
Bloomfield Hills, MI
David E. Wazer, MD
Tufts Medical Center
Boston, MA
9:35 am – 10:05 am  Your Practice in the Future: New Focused Practice Initiative in Brachytherapy
Beth Erickson, MD
Medical College of Wisconsin
Milwaukee, WI

Paul E. Wallner, DO
The American Board of Radiology

10:05 – 10:35 am  ABS Presidential Address  (No CME Credit Offered)
Rakesh Patel, MD
ABS President
Western Radiation Oncology, Inc.
Mountain View, CA

10:35 – 11:00 am  Refreshment Break

11:00 am – 12:00 pm  What Defines a “Quality” Prostate Cancer Implant?
Moderator:
Mira Keyes, MD
BC Cancer Agency
Vancouver, BC, Canada

Panelists:
Mira Keyes, MD
BC Cancer Agency
Vancouver, BC, Canada

Peter D. Grimm, DO
Prostate Cancer Treatment Center
Seattle, WA

W. James Morris, MD
Vancouver Cancer Center
Vancouver, BC Canada

Louis Potters, MD
Island Jewish Medical Center
New Hyde Park, NY

11:00 am – 12:00 pm  Difficult Cases in Breast Brachytherapy
Moderator:
Robert R. Kuske, MD
Arizona Breast Cancer Specialists
Scottsdale, AZ

Panelists:
Peter Beitsch, MD, FACS
Dallas Surgical Group
Dallas, TX

David E. Wazer, MD
Tufts Medical Center
Boston, MA
12:00 – 1:00 pm  **Box Lunch** *(for attendees; in Exhibit Hall)*  
*Sponsored by SpecMed*  
Douglas Pavilion CD

12:00 – 1:00 pm  **Resident Luncheon** *(Resident’s only)*  
*Sponsored by Oncura*  
Manchester D  
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1:00 – 2:30 pm  **Scientific Session: Gynecologic Brachytherapy Proffered Papers**  
*Moderators:*  
**Caroline L. Holloway, MD**  
BC Cancer Agency  
Victoria, BC, Canada

**Ann Klopp, MD, PhD**  
MD Anderson Cancer Center  
Houston, TX

1:00 – 2:30 pm  **Clinical Implementation of Heterogeneity Corrections for Brachytherapy Dose Calculations**  
*Moderators:*  
**Frank-Andre Siebert, PhD**  
UK S-H Campus Kiel  
Kiel, Schleswig-Holstein, Germany

**Luciant Wolfsberger, MS**  
Dana-Farber Brigham and Women’s Cancer Center  
Boston, MA

*Panelists:*  
**Overview of Heterogeneity Correction Methodologies**  
**Asa Carlsson Tedgren, PhD**  
Linkoping University  
Linkoping, Sweden

**Clinical Implementation for High Energy Brachytherapy Sources**  
**Mark J. Rivard, PhD**  
Tufts Medical Center  
Boston, MA

**Clinical Implementation for Low Energy Brachytherapy Sources**  
**Luc Beaulieu, PhD**  
Centre de Recherche de L’Hotel Dieu de Quebec  
Quebec, PQ, Canada

1:00 – 2:30 pm  **Scientific Session: Prostate Brachytherapy Poster Discussion I**  
*Moderators:*  
**Mark Buuyounouski, MD, MS**  
Fox Chase Cancer Center  
Philadelphia, PA

**Peter F. Orio, III, MD**  
Dana-Farber Brigham and Women’s Cancer Center  
Boston, MA
2:30 – 3:00 pm  Refreshment Break  

3:00 – 4:30 pm  Scientific Session: General Brachytherapy Proffered Papers

*Moderators:*

**Michele Albert, MD**  
Dana-Farber Brigham and Women’s Cancer Center  
Boston, MA

**Susan Higgins, MD**  
Yale New Haven Hospital  
New Haven, CT

### CONTOURING WORKSHOPS  Manchester GHI (second level)

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<td>Zoubir Ouhib, MS</td>
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<td>Antonio Westphalen, MD</td>
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*Circulators:

**Nucletron**

*Providing laptops*

*Educase System*

*Please bring your own laptop*

**Varian**

*Providing laptops*

*Physicians:*

**Douglas Pavilion CD**

**Douglas Pavilion B**
Welcome Reception and Poster Review
Exhibit Hall

Varian BrachyTherapy Roundtable Event
Moderator: Anuj Peddada, MD
Dr. Peddada will lead two lively brachytherapy debates. More details on the topics & contributors soon to follow. This dinner event will begin immediately following the ABS Welcome Reception.
Sponsored by Varian
(No CME Credit Offered)

Friday, April 15

Registration
Douglas Pavilion Foyer

Commercial Exhibits
Douglas Pavilion CD

Continental Breakfast
Sponsored by BrachySciences
Douglas Pavilion CD

Daily Recap
Akila Viswanathan, MD, MPH
Dana-Farber Brigham and Women's Cancer Center
Boston, MA

Updates in Breast Brachytherapy
(Self-Assessment Module credit course)
David E. Wazer, MD
Tufts Medical Center
Boston, MA

Scientific Session: Prostate Brachytherapy
Proffered Papers II
Moderators:
Mark D. Hurwitz, MD
Dana-Farber Brigham and Women's Cancer Center
Boston, MA

Bradley R. Prestidge, MD, MS
South Texas Radiation Therapy Associates
Houston, TX

Scientific Session: Gynecologic Brachytherapy Poster Discussion
Moderators:
Kristin A. Bradley, MD
University of Wisconsin
Madison, WI

Larissa J. Lee, MD
Dana-Farber Brigham and Women's Cancer Center
Boston, MA
9:35 – 10:35 am
**INVITED LECTURER:**
David M. Shahian, MD  
Professor of Surgery  
Harvard Medical School  
“Public Reporting of Health Care Outcomes – A Century after Codman”

10:35 – 11:00 am  
**Refreshment Break**

11:00 am – 12:00 pm  
**Plenary Session: Top Four Abstracts**

**Discussants:**

- **Breast:** David E. Wazer, MD  
  Tufts Medical Center  
  Boston, MA

- **Gyn:** Beth Erickson, MD  
  Medical College of Wisconsin  
  Milwaukee, WI

- **Prostate:** W. Robert Lee, MD  
  Duke University Medical Center  
  Durham, NC

- **Physics:** William S. Bice, PhD  
  John Muir Health Systems  
  Walnut Creek, CA

12:00 – 12:30 pm  
**Ulrich Henschke Award**

*Sponsored by Best Medical International*

*Presented by:*

- Juanita Crook, MD, FRCPC  
  ABS President-Elect

(No CME Credit Offered)

12:30 – 1:55 pm  
**ABS Member Lunch and ABS Annual Business Meeting**  
(event for ABS members only)

*Sponsored by Theragenics*

(No CME Credit Offered)

2:00 – 3:30 pm  
**Protons, Photons and Brachytherapy for Prostate Cancer: Pros and Cons**

**Moderator:**

- Brian J. Davis, MD, PhD  
  Mayo Clinic  
  Rochester, MN

**Panelists:**

- David C. Beyer, MD  
  Arizona Oncology Services  
  Scottsdale, AZ
2:00 – 3:30 pm  Image Based Gynecological Brachytherapy: Advantages, Cost and Uncertainties
Moderator:
David K. Gaffney, MD, PhD
University of Utah
Salt Lake City, UT

Panelists:
Sushil Beriwal, MD
University of Pittsburgh
Pittsburgh, PA

Christian Kirisits, ScD
Medical University of Vienna
Vienna, Austria

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

2:00 – 3:30 pm  Scientific Session: Physics Poster Discussion
Moderators:
Christopher S. Melhus, PhD
Tufts Medical Center
Boston, MA

Zoubir Ouhib, MS
Lynn Cancer Institute
Delray Beach, FL

3:30 – 4:00 pm  Refreshment Break
Douglas Pavilion CD
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<td>Paul Knechtges, MD</td>
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<td>Christian Kirisits, ScD</td>
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<td>Catherine Yashar, MD</td>
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<td><strong>BREAST</strong> Manchester I Room (second level)</td>
<td>Moderator</td>
<td>Surgical Principles:</td>
<td>Atif Kahn, MD</td>
<td>Zoubir Ouhib, MS</td>
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<td>Peter Beitsch, MD</td>
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<td>Zoubir Ouhib, MS</td>
<td>Amir Sadeghi, PhD</td>
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<td>Moderator</td>
<td>Antonio Westphalen, MD</td>
<td>Juanita Crook, MD</td>
<td>Ron Sloboda, PhD</td>
<td>Varian</td>
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<td>Mira Keyes, MD</td>
<td>Tom Shanahan, MD</td>
<td>Gerard Morton, MD</td>
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<td>Physicists:</td>
<td>William S. Bice, PhD</td>
<td>Jette Borg, PhD</td>
<td>Deidre Batchelor, MD</td>
<td>Cynthia Araujo, PhD</td>
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4:00 – 5:30 pm  
**Clinical Advancements in Microbrachytherapy**  
*Moderators:*  
Jean Pouliot, PhD  
University of California San Francisco  
San Francisco, CA  
Laura Doyle, MS  
Thomas Jefferson University Hospital  
Philadelphia, PA  
Douglas Pavilion B
Panelists:

**Dosimetry of Targeted Radionuclide Therapy**  
Firas Mourtada, PhD  
MD Anderson Cancer Center  
Houston, TX

**Image-Based Dosimetry for Microbrachytherapy**  
Reed Selwyn, PhD  
Radiology and Radiological Sciences  
CNRM Uniformed Services  
University of the Health Sciences  
Bethesda, MD

**Radiobiology of Radionuclides**  
Bruce Thomadsen, PhD  
University of Wisconsin  
Madison, WI

5:30 – 6:00 pm  
Setting Up a Brachytherapy Practice  
Jeff Demanes, MD  
University of California Los Angeles  
Los Angeles, CA

6:30 – 8:30 pm  
Departure for Gala Event at Air and Space Museum  
*Buses depart from Hyatt entrance starting at 6:15 pm until 6:45 pm. Buses return from the Air and Space Museum until 9:00 pm.*

Saturday, April 16

7:30 am – 12:45 pm  
Registration  
Douglas Pavilion Foyer

7:30 am – 12:30 pm  
Commercial Exhibits  
Douglas Pavilion CD

7:30 – 7:55 am  
Continental Breakfast  
Douglas Pavilion CD

7:55 – 8:00 am  
Daily Recap  
Douglas Pavilion B

8:00 – 9:30 am  
Updates in Prostate Brachytherapy  
*(Self-Assessment Module credit course)*  
Douglas Pavilion B

Juanita Crook, MD, FRCPC  
University of British Columbia  
Kelowna, BC, Canada

Gerard Morton, MD  
University of Toronto  
Sunnybrook Regional Cancer Center  
Toronto, ON, Canada

8:00 – 9:30 am  
Scientific Session: Physics Proffered Papers  
*Moderators:*  
Renu Sharma, MS  
West Michigan Cancer Center  
Kalamazoo, MI

Ivan Yeung, PhD  
Princess Margaret Hospital  
Toronto, ON, Canada
8:00 – 9:30 am  Scientific Session: General Brachytherapy Poster Discussion

Moderators:
Atif J. Khan, MD
Cancer Institute of New Jersey
New Brunswick, NJ

Alex Stewart, DM, MRCP, FRCR
Royal Surrey County Hospital
Surrey, England

9:30 – 10:30 am  Management of Sarcomas, Lung and Esophageal Cancer, and Skin Surface Applicators

Moderator:
Phillip Devlin, MD
Dana-Farber Brigham and Women’s Cancer Center
Boston, MA

Panelists:
Skin Surface Applicators
Mike Kasper, MD
Boca Raton Community Hospital
Boca Raton, FL

Brachytherapy for Sarcomas
Phillip Devlin, MD
Dana-Farber Brigham and Women’s Cancer Center
Boston, MA

Thoracic and Esophagus Cancer Brachytherapy
Subhakar Mutyala, MD
Scott and White Healthcare
Temple, TX

9:30 – 10:30 am  Difficult Cases in Gynecologic Cancer Management

Moderator:
Patricia Eifel, MD
MD Anderson Cancer Center
Houston, TX

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

Ann Klopp, MD, PhD
MD Anderson Cancer Center
Houston, TX

Akila Viswanathan, MD, MPH
Dana-Farber Brigham and Women’s Cancer Center
Boston, MA
9:30 – 10:30 am  Scientific Session: Prostate Brachytherapy
Poster Discussion II

*Moderators:*
Brett W. Cox, MD
Memorial Sloan-Kettering Cancer Center
New York, NY

Steven J. Frank, MD
MD Anderson Cancer Center
Houston, TX

10:30 – 11:00 am  Refreshment Break

11:00 am – 12:30 pm  Optimizing Vaginal Brachytherapy:
Cylinder and Interstitial Applications

*Moderator:*
William Small, MD
Northwestern University
Chicago, IL

*Panelists:*
Jeff Demanes, MD
University of California Los Angeles
Los Angeles, CA

Beth Erickson, MD
Medical College of Wisconsin
Milwaukee, WI

Loren Mell, MD
University of California San Diego
La Jolla, CA

Jason Rownd, MS
Medical College of Wisconsin
Milwaukee, WI
11:00 am – 12:30 pm  Difficult Cases in Prostate Cancer Brachytherapy
Moderator:
Josh Yamada, MD
Memorial Sloan-Kettering Cancer Center
New York, NY

Panelists:
Brian J. Davis, MD, PhD
Mayo Clinic
Rochester, MN

John K. Hayes, MD
Gamma West Cancer Services
Salt Lake City, UT

Marisa Kollmeier, MD
Memorial Sloan-Kettering Cancer Center
New York, NY

Bradley R. Prestidge, MD, MS
South Texas Radiation Therapy Associates
Houston, TX

11:00 am – 12:30 pm  Scientific Session: Breast Brachytherapy
Proffered Papers
Moderators:
Catherine Park, MD
University of California San Francisco
San Francisco, CA

Joanne B. Weidhaas, MD, PhD
Yale New Haven Hospital
New Haven, CT

12:30 pm  Meeting Adjourns

Speakers, times and sessions are subject to change.

The views of any speaker may not necessarily be the views of the American Brachytherapy Society.
## 2011 Annual Meeting | Ancillary Meetings

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<th>Day / Times</th>
<th>Event</th>
<th>Function Room / Location</th>
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<td><strong>Wednesday</strong></td>
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<td>6:00 – 7:30 pm</td>
<td>Geant4 (Monte Carlo) North American User's Meeting</td>
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<td><strong>Thursday</strong></td>
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<td>6:30-7:45 am</td>
<td>HEBD Meeting</td>
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<td>Noon-1:00 pm</td>
<td>ABS Physics Committee</td>
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<td>4:30-6:00 pm</td>
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<td>7:00-8:30 pm</td>
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<td>7:00-9:30 pm</td>
<td>Varian BrachyTherapy Roundtable Event</td>
<td>Randle Ballroom</td>
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### Thank You to Our 2011 Annual Meeting Sponsors

- **Varian medical systems**
  - Laptop Computers for Contouring Sessions
  - Overall Meeting Support
- **ONCURA**
  - Residents’ Luncheon
  - 2011 LDR Resident Fellowship Program
- **Nucletron**
  - Laptop Computers for Contouring Sessions
  - Judith Stitt Best Paper Awards
  - 2011 HDR Resident Fellowship Program
- **Best medical international**
  - 2011 Ulrich Henschke Award
- **TheraGenics Corporation**
  - Friday Membership Luncheon
- **BrachySciences**
  - Friday Breakfast
- **specemed**
  - Thursday Box Luncheon
Oncura 2011 Seattle LDR Brachytherapy Fellowship Recipients

Ahmed N. Ali, MD
Hospital of the University of Pennsylvania
Philadelphia, PA

Neha Amin, MD
University of Colorado Health Sciences Center
Aurora, CO

David Andolino, MD
Indiana University School of Medicine
Indianapolis, IN

Tracy Bray, MD
Loyola University Medicine Center
Maywood, IL

Alvin Cabrera, MD
Duke University Medical Center
Durham, NC

Kevin Forsythe, MD
Mount Sinai Medical Center
New York, NY

Ruchika Gutt, MD
The University of Chicago Hospitals
Chicago, IL

Edward Jung, MD
Wayne State University
Detroit, MI

Douglas Miller, MD
Washington University School of Medicine
St. Louis, MO

Paul Saconn, MD
Wake Forest University
Winston Salem, NC

John Stewart, MD
University of Alabama-Birmingham
Birmingham, AL

Nuclotron 2011 HDR Brachytherapy Fellowship Recipients

Bethany Anderson, MD
University Of Wisconsin Hospitals & Clinics
Madison, WI

Robert Den, MD
Thomas Jefferson University Hospital
Bodine Center for Cancer Treatment
Philadelphia, PA

Kevin Forsythe, MD
Mount Sinai Medical Center
New York, NY

Dhara MacDermed, MD
Scripps Translational Science Institute
LaJolla, CA

Paul Sacconn, MD
Wake Forest University
Winston Salem, NC

Jay Shelton, MD
Emory University
Atlanta, GA

Asal Shoushtari, MD
University Of Virginia
Charlottesville, VA

Timothy Showalter, MD
Thomas Jefferson University Hospital
Philadelphia, PA

Sarah Squire, MD
Wake Forest University
Winston Salem, NC

John Stewart, MD
University of Alabama-Birmingham
Birmingham, AL
Preoperative Concomittant Chemotherapy/EBRT with HDR Brachytherapy Boost for Rectal Adenocarcinoma: The Initial Moffitt Cancer Center Experience

Rezwan Chowdhury, MD, FRCP
Arizona Breast Cancer Specialists
Phoenix, AZ
Accelerated Partial Breast Irradiation with Interstitial Brachytherapy for Women with Breast Cancer in the Presence of Breast Augmentation

Mario Federico, MD, PhD
University of Palermo
Palermo, Italy
Pre-Implant Clinical and Radiological (MRI) Assessment Improves CT-Based HRTCV Delineation in Cervical Cancer Patients

Mersiha Hadziahmetovic, MD
The Ohio State University
Columbus, OH
Episceral Plaque Brachytherapy for Uveal Melanomas: 20 Years Institutional Experience

Zain A. Husain, MD
University of Maryland
Baltimore, MD
Patterns of Care Analysis for Patients Undergoing Breast Brachytherapy: A SEER Study

Ovidiu Marina, Meng, MD
William Beaumont Hospital
Royal Oak, MI
Dose-escalated Adaptive Image-Guided Radiotherapy (IGRT) Versus Pelvic Irradiation with High Dose Rate Brachytherapy Boost for Intermediate-Risk Prostate Cancer

Lisa K. Morikawa, MD
Memorial Sloan-Kettering Cancer Center
New York, NY
Salvage High-dose-rate Brachytherapy for Recurrent Prostate Cancer After Ultra High Intensity Modulated Radiotherapy: Results of a Prospective Study

Dilini S. Pinnaduwage, PhD
University of California San Francisco
San Francisco, CA
Dosimetric Impact of Interfraction Tandem-Ring Applicator and Catheter Movement in High Dose Rate Brachytherapy for Gynecology Patients

Xinglei Shen, MD
Thomas Jefferson University Hospital
Philadelphia, PA
Evaluation of a Balloon-based Vaginal Packing System and Minimal Sedation for Patients with Cervical Cancer Undergoing Intracavitary Brachytherapy

Meng K. Welliver, MD, PhD
University of Pennsylvania
Philadelphia, PA
Prostate Seed Implantation Alone or with External Beam Radiation Reduces Cause-specific Mortality Compared to External Beam Radiation Alone for Definitive Treatment of Localized Intermediate to High Risk Prostate Cancer: A Population Based Analysis
Friday Night Gala Event at the Air & Space Museum

Located in Balboa Park, the San Diego Air and Space Museum highlights the history of aviation from the past to the present, from the dawn of powered flight at Kittyhawk to the Golden Age of Barnstorming and the first air mail planes. In the museum’s International Aerospace Hall of Fame guests find a unique and striking collection of oil portraits and memorabilia honoring the inventors, pilots and industrialists whose visions created the complex organizations necessary to build our airplanes and spacecraft. Meet in the hotel lobby beginning at 6:15 pm. The event is from 6:30 to 8:30 pm.
The American Brachytherapy Society extends a sincere thank you to all of our corporate supporters and we encourage all attendees to visit with our exhibitors over the course of the meeting. By visiting all of the exhibitors you can become eligible for two I-Pad prize drawings on Saturday morning, April 16.

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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.

Table Top Legend

BrachySciences  A
Alpha-Omega Services Inc.  D
Radiadyne  H
Velocity Medical Solutions  I
Civco Medical Systems  K
Sirtex  L
Accuboost  M
Oncology Data Systems  N

AMERICAN BRACHYTHERAPY SOCIETY
2011 ANNUAL MEETING
APRIL 14-16, 2011

MANCHESTER GRAND HYATT SAN DIEGO
SAN DIEGO, CALIFORNIA