

CELEBRATE BRACHYTHERAPY

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PROGRAM

AMERICAN BRACHYTHERAPY SOCIETY 2018 ANNUAL MEETING

ABS 2018

JUNE 7-9

SAN FRANCISCO
UNION SQUARE

#ABSBACHY18





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Calaway Young Cancer Center
at Valley View Hospital
Glenwood Springs, CO

Annual Meeting Learning Objectives:

1. Discuss established and emerging indications for brachytherapy treatment for cancer
2. Review technical approaches for brachytherapy source and applicator insertion
3. Review the current American Brachytherapy Society's guidelines for brachytherapy and the literature supporting these modalities, controversies, available methods and toxicities
4. Understand new imaging modalities and how these can impact brachytherapy procedures and treatment planning
5. Describe the potential role of social media in a modern brachytherapy practice
6. Learn about strategies for incorporating peer review into a brachytherapy practice
7. Understand the changing healthcare environment and how it will impact reimbursement for brachytherapy
8. Obtain knowledge and hands-on experience in anatomy and organ segmentation in both prostate and gynecologic carcinoma as well as application of brachytherapy for skin cancers
9. Learn about the current capabilities of brachytherapy treatment planning systems.
10. Understand modern brachytherapy treatment devices and how these can impact patient care.
11. Understand the current data regarding different fractionation schedules and clinical implications of different approaches



2018 Ulrich Henschke Award



Presented to: **Robert R Kuske, MD, FACRO**

Dr. Kuske completed his training in Radiation Oncology at the University of Cincinnati in 1984 and from there went on to Washington University School of Medicine in St. Louis, Missouri where he was an Instructor of Radiation Oncology and Chief of Breast Cancer Services. Dr. Kuske held a position at the department of Radiation Oncology at the Ochsner Clinic in New Orleans, where he co-founded New Orleans Tulane Cancer Centers' radiation oncology program.

In October 1991, Dr. Kuske and colleagues pioneered accelerated partial breast irradiation, (APBI) a five-day alternative to conventional six weeks of external beam whole breast irradiation in select early-stage breast cancer at the Tulane Medical School. He is the principal investigator of the RTOG Phase II clinical trial for APBI and co-principal investigator of the NSABP/RTOG Phase III trial, which compares 5 days of partial breast irradiation to 6 weeks of whole breast irradiation. After moving on from Ochsner, Dr. Kuske worked in the Breast Cancer Program as a Professor of Human Oncology from 2000–2003 at the University of Wisconsin.

In 2003 Dr. Kuske moved to Arizona where he helped to further the use of APBI in radiation oncology. Dr. Kuske co-founded Arizona Breast Cancer Specialists in 2008 as the first-ever radiation oncology facility in the world focused solely on breast cancer treatment with radiation. In 2012 they merged with Arizona Center for Cancer Care where he continues to advance the use of APBI for breast cancer patients. He loves teaching and sharing his knowledge with medical students, residents, practicing physicians, and his patients.

On a personal level Dr. Kuske enjoys hiking the mountains Arizona offers year round with his beloved Cavalier King Charles, Beignet. He is also the Board Vice President for The Academy Drum and Bugle Corps, a student drum corps group he holds near and dear to his heart.

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Keynote Speaker



Tom Kelley is a Partner at IDEO, a global design and innovation firm that creates impact through design thinking. He has held leadership roles at IDEO for thirty years, having managed functions as diverse as business development, marketing, legal, and human resources.

Tom is the author of three books, including *The Art of Innovation* and the New York Times bestseller, *Creative Confidence*. He is also a leading international speaker, having spoken to business audiences in thirty countries on how to nurture innovative cultures and maximize the creative potential of their organizations.

In addition to his roles at IDEO, Tom serves as the first-ever Executive Fellow at UC Berkeley's Haas School of Business. Tom has appeared on the cover of Forbes Japan, and founded the Tokyo-based venture capital firm, D4V (Design for Ventures), where he serves as chairman.

#ABSBACHY18



2018 Scientific Program Committee

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Scientific Chair

MD Anderson Cancer Center | Houston, TX

Brett W. Cox, MD

Scientific Vice-Chair

Northwell HealthNew | Hyde Park, NY

Invited Faculty

Dave Adler

ASTRO | Arlington, VA

Kevin Albuquerque, MD

UT Southwestern Medical Center | Dallas, TX

Bethany M. Anderson, MD

Breast Program Chair

University of Wisconsin | Madison, WI

Douglas W. Arthur, MD, FABS

Virginia Commonwealth University | Richmond, VA

Diandra N. Ayala-Peacock, MD

Vanderbilt University School of Medicine
Nashville, TN

Deidre Batchelar, MD

BC Cancer | Kelowna, BC Canada

Rashmi K. Benda, MD

Lynn Cancer Institute at Boca Raton | Boca Raton, FL

Stanley H. Benedict, PhD

University of California at Davis Cancer Center
Sacramento, CA

Sushil Beriwal, MD, MBA

UPMC Hillman Cancer Center | Pittsburgh, PA

Ajay Bhatnagar, MD

21st Century Oncology, Inc. | Casa Grande, AZ

Matthew Biagioli, MD

Florida Hospital | Orlando, FL

Kristin A. Bradley, MD

University of Wisconsin | Madison, WI

Derek W. Brown, PhD

University of California, San Diego | La Jolla, CA

Wayne Butler, PhD

Schiffler Cancer Center/Wheeling Hospital
Wheeling, WV

Albert J. Chang, MD, PhD

University of California San Francisco
San Francisco, CA

Zhe (Jay) Chen, PhD

Yale University School of Medicine | Wallingford, CT

Junzo P. Chino, MD

Duke University Medical Center | Durham, NC

Gil'ad Cohen, PhD

Memorial Sloan-Kettering Cancer Center
New York, NY

Brett W. Cox, MD

Northwell Health | New Hyde Park, NY

Juanita M. Crook, MD, FRCPC, FABS

BCCA | Kelowna, BC, Canada

Adam M. Cunha, PhD

Physics Program Chair

UCSF Comprehensive Cancer Center
San Francisco, CA

Antonio L. Damato, PhD

Memorial Sloan Kettering Cancer Center
White Plains, NY

Brian J. Davis, MD, PhD, FABS

Mayo Clinic and Foundation | Rochester, MN

Christopher L. Deufel, PhD

Mayo Clinic | Rochester, MN

Philip M. Devlin, MD, FACR, FASTRO

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

Benjamin Y. Durkee, MD, PhD

Swedish American Regional Cancer Center
Rockford, IL

Brandon N. Dyer, MD

University of California Davis | Sacramento, CA

Particia J. Eifel, MD, FACR, FASTRO

MD Anderson Cancer Center | Houston, TX

Beth A. Erickson, MD

Medical College of Wisconsin | Milwaukee, WI

Felix Feng, MD

University of Michigan Medical Center
Ann Arbor, MI

Emma Fields, MD

VCU Cancer Center | Richmond, VA

Ryan T. Flynn, PhD

University of Iowa | Iowa City, IA

Mike R. Folkert, MD, PhD

UT Southwestern Medical Center | Dallas, TX

Steven J. Frank, MD

UT MD Anderson Cancer Center | Houston, TX

David K. Gaffney, MD, PhD, FACR, FASTR

University of Utah | Salt Lake City, UT

Marcus Garcia

Rocky Mountain Cancer Centers
Greenwood Village, CO

Scott M. Glaser, MD

City of Hope | Duarte, CA

Patricia H. Hardenbergh, MD

Shaw Regional Cancer Center | Vail, CO

Matthew M. Harkenrider, MD

Loyola University Chicago | Chicago, IL

Jerek T. Hepel, MD

Rhode Island Hospital/Brown University
Providence, RI

Thomas Hope, MD

UCSF School of Medicine | San Francisco, CA

Kathleen Horst, MD

Stanford University School of Medicine
Stanford, CA

I-Chow (Joe) Hsu, MD

UCSF Comprehensive Cancer Center
San Francisco, CA

Anuja Jhingran, MD

MD Anderson Cancer Center | Houston, TX

Melissa Joyner, MD

University of Texas Medical Branch | Galveston, TX

Mitchell Kamrava, MD

Miscellaneous Program Chair

Cedars-Sinai Medical Center | Los Angeles, CA

Michael E. Kasper, MD

Lynn Cancer Institute | Boca Raton, FL

Vanessa Kennedy, MD

University of California Davis | Sacramento, CA

Mira Keyes, MD, FRCPC

BC Cancer Agency | Vancouver, BC, Canada

Miriam A. Knoll, MD

Hackensack University Medical Center
Woodmere, NY

Marisa A. Kollmeier, MD

Memorial Sloan-Kettering Cancer Center
New York, NY

Robert R. Kuske, MD

Arizona Breast Cancer Specialists | Scottsdale, AZ

Anna O. Likhacheva, MD, MPH

Banner MD Anderson Cancer Center | Gilbert, AZ

Stephanie Markovina, MD, PhD

Washington University in St Louis | Saint Louis, MO

Jyoti S. Mayadev, MD

GYN Program Chair

University of California Davis | Sacramento, CA

Mahta M. McKee, MS

Wake Forest University | Winston Salem, NC

Patrick William McLaughlin, MD

University of Michigan/Providence Cancer Center
Novi, MI

Drew Moghanaki, MD, MPH

Virginia Commonwealth University | Richmond, VA

Brian J. Moran, MD

Chicago Prostate Cancer Center | Westmont, IL

Invited Faculty (continued)

Marc Morcos, PhD

Johns Hopkins Kimmel Cancer Center
Baltimore, MD

Gerard C. Morton, MD

Sunnybrook Odette Cancer Centre
Toronto, ON, Canada

Firas Mourtada, PhD

Christiana Care Health System | Newark, DE

John Mulhall, MD

Memorial Sloan-Kettering Cancer Center
New York, NY

Arno J. Mundt, MD

University Of California, San Diego Medical Center
La Jolla, CA

Subhaker Mutyala, MD, MPH

University of Arizona Cancer Center | Phoenix, AZ

Atef Omari, MSc

Bon Secours Cancer Institute | Virginia Beach, VA

Peter F. Orio, III, DO, MS

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

Zoubir Ouhib, MS, DABR

Lynn Cancer Institute | Delray Beach, FL

Sang-June Park, PhD

UCLA Radiation Oncology | Los Angeles, CA

Rakesh R. Patel, MD

Eden Radiation Oncology Center | Castro Valley, CA

Daniel G. Petereit, MD, FASTRO

Rapid City Regional Hospital | Rapid City, SD

Bradley R. Prestidge, MD, MS, FABS

Bon Secours Cancer Institute | Norfolk, VA

Thomas J. Pugh, MD

Prostate Program Chair

University of Colorado Denver | Denver, CO

Ananth Ravi, PhD

Sunnybrook Odette Cancer Centre
North York, ON, Canada

Mark J. Rivard, PhD

Rhode Island Hospital/Brown University
Providence, RI

Mack Roach, MD, FACR

UCSF Comprehensive Cancer Center
San Francisco, CA

Peter J. Rossi, MD

Calaway Young Cancer Center at Valley View Hospital
Glenwood Springs, CO

Jason Rownd, MS

Medical College of Wisconsin | Milwaukee, WI

Kunal Saigal, MD

Florida Hospital Cancer Institute | Orlando, FL

Howard M. Sandler, MD

Samuel Oschin Comprehensive Cancer Institute
Los Angeles, CA

Parag R. Sanghvi, MD, MSPH

Skin Program Chair

University of California San Diego | La Jolla, CA

Matthew Scala, MD

Kaiser Permanente | Santa Clara, CA

Daniel J. Scanderbeg, PhD

University of California San Diego Medical Center
La Jolla, CA

Jessica M. Schuster, MD

University of Wisconsin | McFarland, WI

Chirag S. Shah, MD

Cleveland Clinic | Akron, OH

Alison Sheridan, MD

University of Colorado Denver | Aurora, CO

Timothy N. Showalter, MD, MPH

The University of Virginia | Charlottesville, VA

Lisa Singer, MD

MD Anderson Cancer Center | Houston, TX

William Song, PhD

Virginia Commonwealth University/Radiation
Oncology | Richmond, VA

Katherine Tapp, PhD

Nuclear Regulatory Commission | Rockville, MD

Neil K. Taunk, MD, MS

Radiation Oncology | Philadelphia, PA

Nikhil G. Thaker, MD

Socioeconomics Program Chair

Arizona Oncology | Tucson, AZ

Dorin A. Todor, PhD

Virginia Commonwealth University Health System
Richmond, VA

Alfredo Urdaneta, MD

Virginia Commonwealth University | Richmond, VA

Akila N. Viswanathan, MD, MPH

Johns Hopkins Medicine | Baltimore, MD

Michael L. Wong, MD

Kaiser Permanente | Santa Clara, CA

Catheryn M. Yashar, MD, FACRO

University of California, San Diego | La Jolla, CA

Michael J. Zelefsky, MD

Memorial Sloan-Kettering Cancer Center
New York, NY

Accreditation and Credit Statement:

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

PeerPoint Medical Education Institute designates the live format for this educational activity for a maximum of *25 AMA PRA Category 1 Credits™*. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Course is pending approval by the Commission on Accreditation of Medical Physicists Education programs (CAMPEP) for Medical Physics Continuing Education Credits (MPCEC).

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

Conflict of Interest and Off-Label/Disclosure Statement:

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



ABS 2018 Class of Fellows

The Board of Directors of the American Brachytherapy Society congratulates the 2018 class of ABS Fellows (FABS). This is a significant designation bestowed by the ABS, and is a tribute to the following recipients for their contributions and accomplishments in the field of brachytherapy.

Wayne M. Butler, PhD

Philip M. Devlin, MD, FACR

David K. Gaffney, MD, PhD, FACR

Robert R. Kuske, Jr., MD

Brian J. Moran, MD

Zoubir Ouhib, MS, DABR

Louis Potters, MD, FACR

Mark J. Rivard, PhD, FAAPM

Bruce R. Thomadsen, PhD, DABR

Akila N. Viswanathan, MD, MPH

Resident Travel Grant Recipients:

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Sunil Dutta, MD

University of Virginia

Time-driven Activity-based Cost Comparison of Prostate Cancer Brachytherapy and Intensity Modulated Radiation Therapy

Diane Ling, MD

University of Pittsburgh Medical Center

Declining Brachytherapy Utilization for High-risk Prostate Cancer—Can Clinical Pathways Reverse the Trend?

Minh-Phuong Huynh-Le, MD

University of California, San Diego

High Dose Rate Interstitial Lip Brachytherapy Provides Excellent Control and Cosmesis for Patients with Lip Tumors

Samuel Marcrom, MD

University of Alabama at Birmingham

Brachytherapy Training Survey of Radiation Oncology Residents

Shilpa Larkin, MD

University of Kentucky

Replacing the Syed: Initial Safety Results of a New Interstitial Template Technique using Cesium-131 Permanent Interstitial Brachytherapy (PIB) for Advanced Gynecologic Cancers





Ancillary Meetings

› **Thursday, June 7, 2018** (all meetings start at 6:45 am)
Patient Safety Committee Meeting | Yosemite A
Socioeconomic Committee Meeting | Yosemite C

› **Friday, June 8, 2018**

Editorial Board Breakfast | Plaza Room A

› **Saturday, June 9, 2018**

Membership Committee Meeting | Franciscan A

Social Media Committee Meeting | Franciscan B

International Committee Meeting | Yosemite A

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After you input your name and email, a verification code will be sent to your inbox. You must enter the code before you can login. Attendees are not required to login to the app, but in order access all of the functions of the app (social media sharing, attendee messaging, building a personalized schedule) you will need to login with brachy18.

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**Your contact information is set to private by default. If you want it to be visible to attendees, you can make it public from your profile page.*

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ABS 2018 ANNUAL MEETING AGENDA

PRE-PHYSICS WORKSHOP MODERN & SOPHISTICATED VS SIMPLE & EFFICIENT: WHY NOT HAVE BOTH?

WEDNESDAY JUNE 6

8:00 am – 5:00 pm **Registration** Plaza A Foyer

8:45 am – 9:00 am **Welcome** Plaza A

9:00 am – 9:30 am **How to Best Use MR for GYN HDR When MR Availability is Limited** Plaza A

Speaker: Mahta M. McKee, MS

9:30 am – 10:00 am **What is the Best Use of MR for GYN HDR if You Have MR Available** Plaza A

Speaker: Firas Mourtada, PhD, DABR, FAAPM

10:00 am – 10:30 am **Break** Plaza A

10:30 am – 11:00 am **Treatment Planning and Dose Optimization for GYN** Plaza A

Speaker: Adam M. Cunha, PhD

11:00 am – 11:30 am **Adding Effects From Multiple Fractions? Difficult, Impossible or Useless?** Plaza A

Speaker: Dorin A. Todor, PhD

11:30 am – 11:45 am **Q & A** Plaza A

11:45 am – 12:45 pm **Lunch** Plaza A

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12:45 pm – 1:15 pm **Treatment Planning for Prostate HDR Today—Too Many Ways Going Forward or One Way of Standing Still?** Plaza A

US vs CT. Comparing Advantages And Disadvantages

Speakers: Mahta M. McKee, MS
Dorin A. Todor, PhD

1:15 pm – 2:45 pm **Use of MR and mpMR in the Context of HDR Prostate** Plaza A

Speakers: Antonio L. Damato, PhD
Michael Zelefsky, MD

2:45 pm – 3:00 pm **Break** Plaza A

3:00 pm – 3:30 pm **Update on Task Group 303: MRI-Based Prostate and GYN Brachytherapy** Plaza A

Speaker: Firas Mourtada, PhD, DABR, FAAPM

3:00 pm – 5:00 pm **Round Table Discussion With Vendors and Experts** Plaza A
(interactive session with audience)

Elekta Representatives: Sean Looney
Maarten ter Mors




Varian Representative: Sharon Thompson, MS, DABR




THURSDAY JUNE 7

7:00 am – 5:30 pm	Registration	Yosemite Foyer
7:15 am – 7:00 pm	Commercial Exhibits	Grand Ballroom B
7:15 am – 7:55 am	Continental Breakfast	Grand Ballroom B
7:15 am – 7:45 am	ePoster Walk (Exhibit Hall)	Grand Ballroom B
7:55 am – 8:00 am	Welcome	Grand Ballroom A
8:00 am – 9:00 am	PROSTATE SESSION 1: Advanced Imaging in Prostate Cancer: Opportunities for the Brachytherapist Moderator: Steven J. Frank, MD Speakers: Multi-Parametric MRI 30 Alison D. Sheridan, MD PET Based Imaging Thomas A. Hope, MD Advanced Imaging Integration for Radiation Oncologist Brian J. Davis, MD, PhD	Grand Ballroom A
8:00 am – 9:00 am	SCIENTIFIC SESSION: GYN Proffered Papers I Moderators: Emma Fields, MD David K. Gaffney, MD, PhD, FACR	Imperial Ballroom
9:00 am – 10:00 am	SCIENTIFIC SESSION: Prostate Proffered Papers I Moderators: Albert J. Chang, MD, PhD Gerard C. Morton, MD	Imperial Ballroom
9:00 am – 10:00 am	GYN SESSION I: Image Guidance Techniques for Brachytherapy Moderator: Diandra N. Ayala-Peacock, MD Speakers: CT Junzo P. Chino, MD MRI Matthew M. Harkenrider, MD Ultra Sound I-Chow Hsu, MD	Grand Ballroom A
	Live SA-CME Session	

continued on following page

10:00 am – 10:30 am	Refreshment Break	Grand Ballroom B
10:00 am – 10:30 pm	ePoster Walk (Exhibit Hall)	Grand Ballroom B
10:30 am-11:30 am Live SA-CME Session	SKIN SESSION I: Clinical and Technical Aspects of Skin Brachytherapy Moderator: Parag R. Sanghvi, MD, MSPH Speakers: Physician Perspective Anna O. Likhacheva, MD, MPH Physicist Perspective Daniel J. Scanderbeg, PhD	Imperial Ballroom
10:30 am – 11:30 am	BREAST SESSION I: Individualizing Breast Brachytherapy Treatment Recommendations Moderator: Bethany M. Anderson, MD Speakers: Multicatheter Interstitial HDR Robert R. Kuske Jr., MD Single-entry Catheter HDR Catheryn M. Yashar, MD Accubost (NIBB) Jaroslaw T. Hepel, MD Pd-103 PBSI Juanita M. Crook, MD, FRCPC, FABS	Grand Ballroom A
11:30 am – 12:45 pm	Resident Luncheon (Residents Only)	Plaza A
Sponsored by: 		
11:30 am – 12:45 pm	Lunch Symposium Growing Your Brachytherapy Programs: Leveraging Clinical Data, Clinician Relationships and Digital Efforts <i>A luncheon seminar to explore ways to raise awareness to the community and referring clinicians regarding the use of brachytherapy—including the latest perspectives on the use of digital media and marketing techniques.</i>	Yosemite Ballroom
Sponsored by: 		
11:30 am – 12:45 pm	Lunch Symposium Speakers: Enabling Improved Brachytherapy Workflows with Qfix Symphony™ Patient Transport — a Community Cancer Center Experience Firas Mourtada, PhD, DABR, FAAPM Enabling Technologies for Efficient Cervix Brachytherapy Workflows Ananth Ravi, PhD, MCCPM	Plaza B
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<p>12:45 pm – 1:45 pm Live SA-CME Session</p> <p>Moderator: Speakers:</p>	<p>MISCELLANEOUS SESSION I: Sexual Function After Prostate and Gynecologic Brachytherapy</p> <p>Matthew L. Scala, MD</p> <p>Prostate Brachytherapist Perspective Michael J. Zelefsky, MD</p> <p>Urology Viewpoint John P. Mulhall, MD</p> <p>Gynecologic Radiation Oncology Perspective Anuja Jhingran, MD</p> <p>Gynecologic Oncology Perspective Vanessa A. Kennedy, MD</p>	<p><i>Grand Ballroom A</i></p>
<p>12:45 pm – 1:45 pm</p> <p>Moderator: Speakers:</p>	<p>PHYSICS SESSION I: Technologic Advances in Brachytherapy Physics</p> <p>Firas Mourtada, PhD, DABR, FAAPM</p> <p>EM Tracking Adam M. Cunha, PhD</p> <p>Intensity Modulated Brachytherapy Ryan T. Flynn, PhD</p> <p>3D Printing Ananth Ravi, PhD</p>	<p><i>Imperial Ballroom</i></p>
<p>1:45 pm – 2:45 pm Live SA-CME Session</p> <p>Moderator: Speakers:</p>	<p>PHYSICS SESSION II: Challenging Our Dosimetric Preconceptions</p> <p>Adam M. Cunha, PhD</p> <p>Modeling Biologic Effective Dose Zhe Chen, PhD, FAAPM</p> <p>Dosimetric Constraints Dorin A. Todor, PhD</p>	<p><i>Imperial Ballroom</i></p>
<p>1:45 pm – 2:45 pm</p> <p>Moderator: Speakers:</p>	<p>MISCELLANEOUS II: Creating a Culture: Optimizing Quality Assurance of Brachytherapy Treatment and Delivery</p> <p>Michael R. Folkert, MD, PhD</p> <p>Approaches for Smaller Practices Daniel G. Petereit, MD, FASTRO</p> <p>Approaches for Larger Practices Philip M. Devlin, MD, FACR, FASTRO</p> <p>Approaches Utilizing Virtual Peer Review Patricia H. Hardenbergh, MD</p> <p>Considerations of Physics in Peer Review Daniel J. Scanderbeg, PhD</p>	<p><i>Grand Ballroom A</i></p>
<p>2:45 pm – 3:45 pm</p> <p>Moderator:</p>	<p>SCIENTIFIC SESSION: Physics Proffered Papers</p> <p>San-June Park, PhD Mark J. Rivard, PhD, FAAPM</p>	<p><i>Imperial Ballroom</i></p>

2:45 pm – 3:45 pm Live SA-CME Session	Overview of Recent Medical Events and Update on the Proposed Rules Moderator: Timothy Showalter, MD Panelists: Zoubir Ouhib, MS, DABR Katherine Tapp, PhD	Grand Ballroom A
3:45 pm – 4:15 pm	Refreshment Break	Grand Ballroom B
3:45 pm – 4:15 pm	ePoster Walk (Exhibit Hall)	Grand Ballroom B
4:15 pm – 5:15 pm	SCIENTIFIC SESSION: Miscellaneous Proffered Papers Moderators: Matthew Biagioli, MD Michael L. Wong, MD	Grand Ballroom A
5:15 pm – 6:15 pm	SCIENTIFIC SESSION: Physics Snap Orals Moderators: Gil'ad N. Cohen, PhD Christopher L. Deufel, PhD Daniel J. Scanderbeg, PhD	Imperial Ballroom
4:15 pm – 6:15 pm	CONTOURING AND PRE-PLANNING WORKSHOPS	
Laptops provided by: 		
Moderators:	GYN Contouring Workshop (Cervix) Beth A. Erickson, MD, FACR, FASTRO, FABS Akila N. Viswanathan, MD, MPH	Franciscan A/B
Circulators/Speakers:	Marc Morcos, PhD Jason Rownd, MS	
Moderator:	Prostate Contouring Workshop Juanita M. Crook, MD, FRCPC, FABS	Franciscan C
Speakers:	TRUS Gerard C. Morton, MD CT Juanita M. Crook, MD, FRCPC MRI Patrick W. McLaughlin, MD	
Circulators:	Brian J. Davis, MD, PhD, FABS Steven J. Frank, MD Peter F. Orio, III, DO, MS	
Moderator:	Skin Contouring Workshop Parag Sanghvi, MD	Franciscan D
Circulators:	Ajay Bhatnagar, MD Philip M. Devlin, MD, FACR, FASTRO Anna O. Likhacheva, MD	

6:15 pm – 7:15 pm	Welcome Reception	Grand Ballroom B
6:15 pm – 7:15 pm	ePoster Walk (Exhibit Hall)	Grand Ballroom B

FRIDAY JUNE 8


7:00 am – 5:45 pm	Registration	Yosemite Foyer
7:15 am – 5:00 pm	Commercial Exhibits	Grand Ballroom B
7:15 am – 8:00 am	Continental Breakfast	Grand Ballroom B
7:15 am – 7:45 am	ePoster Walk (Exhibit Hall)	Grand Ballroom B
7:55 am – 8:00 am	Welcome to Day 2	Grand Ballroom A


8:00 am – 9:00 am	PROSTATE SESSION II:	Grand Ballroom A
Live SA-CME Session	Will SBRT Replace Brachytherapy as a Radiation Boost for Localized Prostate Cancer?	
Moderator:	Michael J. Zelefsky, MD	
Speakers:	Pro SBRT Michael R. Folkert, MD, PhD Howard Sandler, MD	
	Pro Brachytherapy Juanita M. Crook, MD, FRCPC Mack Roach, MD, FACR	

8:00 am – 9:00 am	GYN SESSION II:	Imperial Ballroom
	Frontiers in Gynecological Brachytherapy	
Moderators:	Kevin V. Albuquerque, MD Particia J. Eifel, MD, FACR, FASTRO	
Speakers:	Translational Biomarker and Imaging Initiatives Stephanie Markovina, MD, PhD	
	Immunotherapy and BT Jyoti S. Mayadev, MD	
	IMRT Brachytherapy William Y. Song, PhD, DABR	
	GYN Microbiome and Brachytherapy Ann Klopp, MD, PhD	

9:00 am – 10:00 am	SOCIOECONOMIC SESSION I:	Grand Ballroom A
Live SA-CME Session	The Shifting Landscape of Brachytherapy Utilization and Reimbursement	
Moderators:	Benjamin Y. Durkee, MD, PhD Nikhil G. Thaker, MD	
Speakers:	Physician Perspective Peter F. Orio, III, DO, MS	
	Administrator Perspective Dave Adler	
	Payor Perspective Marcus Garcia	

continued on following page

<p>9:00 am – 10:00 am</p> <p>Moderators:</p>	<p>SCIENTIFIC SESSION: GYN Proffered Papers II</p> <p>Junzo P. Chino, MD Scott M. Glaser, MD</p>	<p><i>Imperial Ballroom</i></p>
<p>10:00 am – 10:30 am Coffee Break <i>Grand Ballroom B</i></p>		
<p>10:00 am – 10:30 pm ePoster Walk (Exhibit Hall) <i>Grand Ballroom B</i></p>		
<p>10:30 am – 11:00 am</p>	<p>Presidential Address</p> <p>Catheryn M. Yashar, MD <i>President, ABS</i></p>	<p><i>Grand Ballroom B</i></p>
<p>11:00 am – 11:15 am</p>	<p>2018 Fellow Induction — Class of 2018 ABS Fellows (FABS)</p> <p>Wayne M. Butler, PhD Philip M. Devlin, MD, FACR David K. Gaffney, MD, PhD, FACR Robert R. Kuske, Jr., MD Brian J. Moran, MD Zoubir Ouhib, MS, DABR Louis Potters, MD, FACR Mark J. Rivard, PhD, FAAPM Bruce R. Thomadsen, PhD, DABR Akila N. Viswanathan, MD, MPH</p>	<p><i>Grand Ballroom B</i></p>
<p>11:15 am – 12:15pm</p>	<p>Keynote Address</p> <p>Tom Kelly <i>Best-Selling Author and Global Leader in Innovation in Technology and Healthcare</i></p>	<p><i>Grand Ballroom B</i></p>
<p>12:15 pm – 1:30 pm ABS Members Lunch and Annual Business Meeting <i>Plaza Ballroom</i> <i>(Event for ABS members only)</i></p>		
<p>Sponsored by: </p>		
<p>1:30 pm – 2:30 pm</p>	<p>PLENARY SESSION: Top Four Abstracts Judith Stitt Awards</p> <p><i>Vienna li Ring Applicator for Distal Parametrial Disease in Cervical Cancer Image Guided Brachytherapy: Clinical Feasibility and Outcome in a Two-Institutional Setting</i> Alina Sturdza, MD Medical University of Vienna</p> <p><i>Short Course Accelerated Hypofractionated Partial Breast Balloon Brachytherapy</i> Jenna M. Kahn, MD Virginia Commonwealth University Health System</p> <p><i>Early Experience with Brachytherapy Model-Based Dose Calculation Algorithm: Commissioning and Retrospective Comparison with Historical Template</i> Christopher J. Tien, MD Yale University School of Medicine</p> <p><i>5-year Outcomes of a Single Institution Prospective Trial of 19 Gy Single Fraction High Dose Rate Brachytherapy for Low and Intermediate Risk Prostate Cancer</i> Daniel J. Krauss, MD Beaumont Health</p>	<p><i>Grand Ballroom A</i></p>
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2:30 pm – 3:00 pm	ABS HENSCHKE AWARD Presented to: Robert R. Kuske, MD, FACRO	
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3:00 pm – 4:00 pm	SCIENTIFIC SESSION: Socioeconomic Proffered Papers Moderators: Benjamin Y. Durkee, MD, PhD Nikhil G. Thaker, MD	<i>Imperial Ballroom</i>
3:00 pm – 4:00 pm	PHYSICS SESSION III: Creative but Simple Solutions for HDR You Can Implement in Your Clinic Moderator: Adam M. Cunha, PhD Speakers: Post-prostatectomy Local Recurrence HDR Bradley R. Prestidge, MD, MS, FABS Atef Omari, MSc Interstitial GYN HDR I-Chow Hsu, MD Adam M. Cunha, PhD Complex Skin HDR Rashmi Benda, MD Michael E. Kasper, MD Zoubir Ouhib, MS, DABR	<i>Grand Ballroom A</i>
3:00 pm – 4:00 pm	Integrating Social Media into Your Practice Moderator: Chirag S. Shah, MD Speakers: Brett W. Cox, MD Miriam A. Knoll, MD Drew Moghanaki, MD, MPH	<i>Plaza Ballroom</i>
4:00 pm – 4:15 pm Refreshment Break <i>Grand Ballroom A</i>		
4:15 pm – 5:15 pm	SCIENTIFIC SESSION: Breast Snap Orals Moderators: Rakesh R. Patel, MD Alfredo I. Urdaneta MD	<i>Grand Ballroom A</i>
5:15 pm – 6:15 pm	SCIENTIFIC SESSION: Miscellaneous Snap Orals Moderators: Subhakar Mutyala, MD, MPH Kunal Saigal, MD	<i>Grand Ballroom A</i>

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	GYN Contouring and Planning Workshop (Vaginal)	<i>Franciscan A/B</i>
Moderators:	Adam Cunha, PhD Jyoti S. Mayadev, MD Daniel J. Scanderbeg, PhD I-Chow Hsu, MD	
	Prostate Planning Workshop	<i>Franciscan C</i>
Moderator:	Juanita M. Crook, MD, FRCPC	
LDR Clinical Resource:	Mira Keyes, MD, FRCPC	
HDR Presentation:	Deidre Batchelar, PhD	
Circulators:	Wayne Butler, PhD Firas Mourtada, PhD, DABR, FAAPM Zoubir Ouhib, MS, DABR	
	Socioeconomic Workshop: How Do We Measure the Costs of Brachytherapy? An Introduction to Billing/ Coding and Time-Driven Activity-Based Costing	<i>Franciscan D</i>
Moderator:	Nikhil G. Thaker, MD	
Floating Facilitator:	Benjamin Y. Durkee, MD, PhD	
Speakers:	Introduction to Billing/Coding for Brachytherapy Peter F. Orio, III, DO, MS Catheryn M. Yashar, MD	
	Introduction to Time Driven Activity Based Costing in Brachytherapy Albert J. Chang, MD, PhD Steven J. Frank, MD Nikhil G. Thaker, MD	
	Practical Techniques for Gynecologic Brachytherapy Applicator Insertion	<i>Yosemite C</i>
Moderators:	Melissa Joyner, MD Ann Klopp, MD, PhD Lisa Singer, MD, PhD	

SATURDAY JUNE 9, 2018

7:00 am – 1:00 pm	Registration	Yosemite Foyer
7:15 am – 11:00 am	Commercial Exhibits	Grand Ballroom B
7:15 am – 8:00 am	Continental Breakfast	Grand Ballroom B
7:15 am – 7:45 am	ePoster Walk (Exhibit Hall)	Grand Ballroom B
7:55 am – 8:00 am	Daily Recap	Grand Ballroom A
8:00 am – 9:00 am	MISCELLANEOUS SESSION III: Brachytherapy as a Reirradiation Option for Prostate, Gynecologic, Breast and Head and Neck Cancers Moderator: Mitchell Kamrava, MD Speakers: <ul style="list-style-type: none"> Prostate Marisa A. Kollmeier, MD GYN Akila N. Viswanathan, MD, MPH Breast Douglas W. Arthur, MD, FABS Head and Neck Mitchell Kamrava, MD 	Imperial Ballroom
8:00 am – 9:00 am	BREAST SESSION III: Prospective Data in Partial Breast Irradiation Live SA-CME Session Moderator: Chirag S. Shah, MD Speakers: <ul style="list-style-type: none"> RCTs & High-Quality Nonrandomized Prospective Trials for Brachytherapy Bethany M. Anderson, MD RCTs For Non-Brachytherapy PBI Modalities Kathleen Horst, MD 	Grand Ballroom A
9:00 am – 10:00 am	PROSTATE SESSION III: Incorporation of ADT and/or Supplemental EBRT to Prostate Brachytherapy: Who, What, When, Where, Why, and How Moderator: Mack Roach, MD, FACR Speakers: <ul style="list-style-type: none"> Adding Androgen Deprivation to Prostate Brachytherapy Mira Keyes, MD, FRCPC Adding EBRT to Prostate Brachytherapy Bradley R. Prestidge, MD, MS, FABS New Biologic Approaches Targeting Androgen Signaling in Prostate Cancer Felix Feng, MD 	Grand Ballroom A
9:00 am – 10:00 am	SCIENTIFIC SESSION: Breast Proffered Papers Moderators: Douglas W. Arthur, MD, FABS Jessica M. Schuster, MD	Imperial Ballroom

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10:00 am – 10:30 am	Refreshment Break	<i>Grand Ballroom B</i>
10:00 am – 10:30 pm	ePoster Walk (Exhibit Hall)	<i>Grand Ballroom B</i>
10:30 am – 11:30 am	SCIENTIFIC SESSION: Prostate Proffered Papers II Moderators: Brian J. Davis, MD, PhD, FABS Brian J. Moran, MD	<i>Imperial Ballroom</i>
10:30 am – 11:30 am	GYN SESSION III: Workflow Efficiency and Value in Gynecologic Brachytherapy Live SA-CME Session Moderator: Kristin A. Bradley, MD Speakers: Workflow Timothy N. Showalter, MD, MPH Quality Assurance and Methods for Workflow Antonio L. Damato, PhD Online Learning and Efficiency Derek W. Brown, PhD Design Consideration for an Image Guided Brachy Suite Stanley Benedict, PhD	<i>Grand Ballroom A</i>
11:30 am – 12:30 pm	SCIENTIFIC SESSION: Prostate Snap Orals Moderators: Patrick W. McLaughlin, MD Peter J. Rossi, MD	<i>Imperial Ballroom</i>
11:30 am – 12:30 pm	SCIENTIFIC SESSION: Miscellaneous Snap Orals II Anna O. Likhacheva, MD Parag R. Sanghvi, MD, MSPH	<i>Grand Ballroom A</i>
11:30 am – 12:30 pm	SCIENTIFIC SESSION: GYN Snap Orals Moderators: Sushil Beriwal, MD, MBA Neil K. Taunk, MD, MS	<i>Plaza Ballroom</i>
12:30 pm or 1:00 pm	2018 Annual Meeting Adjourns	

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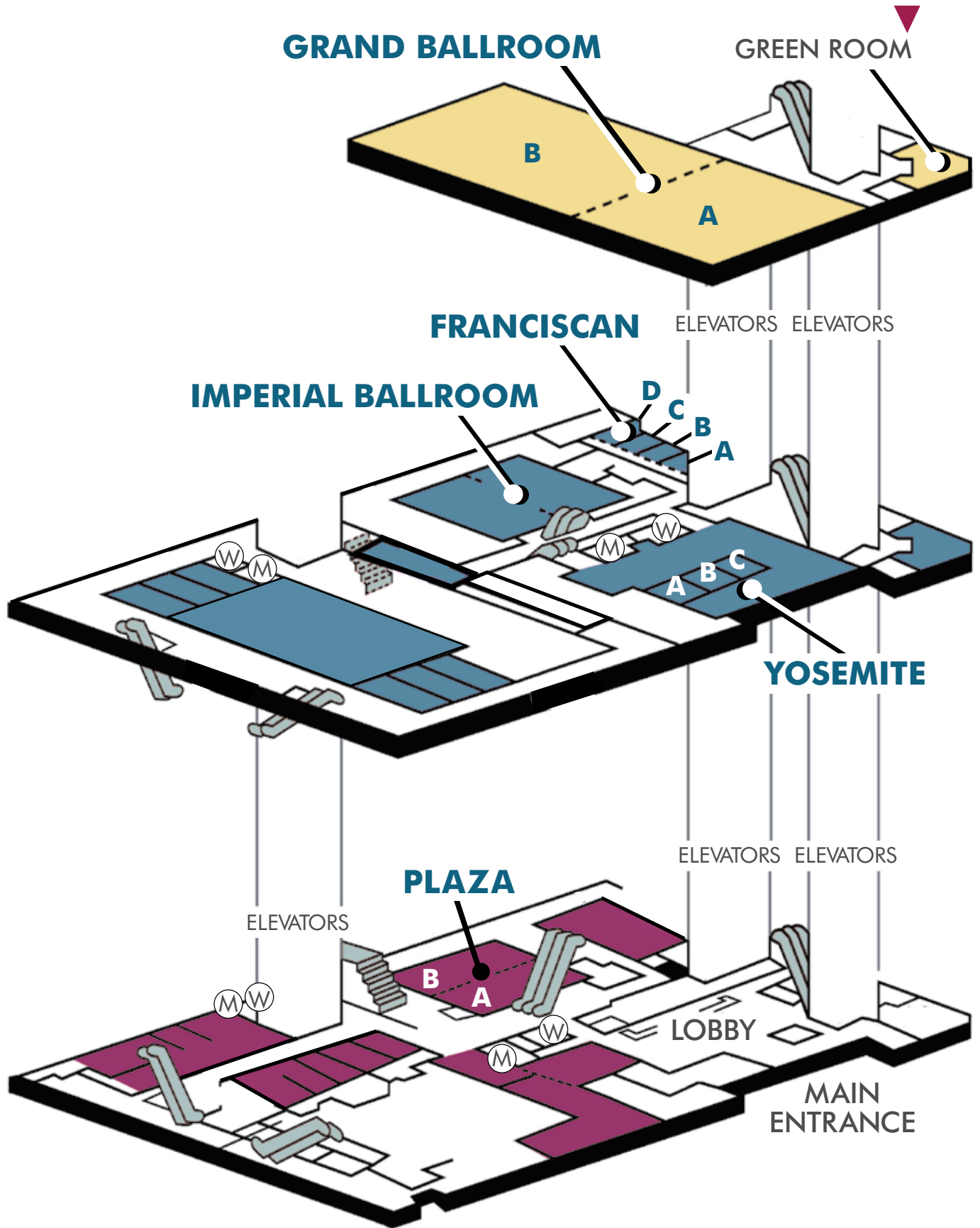


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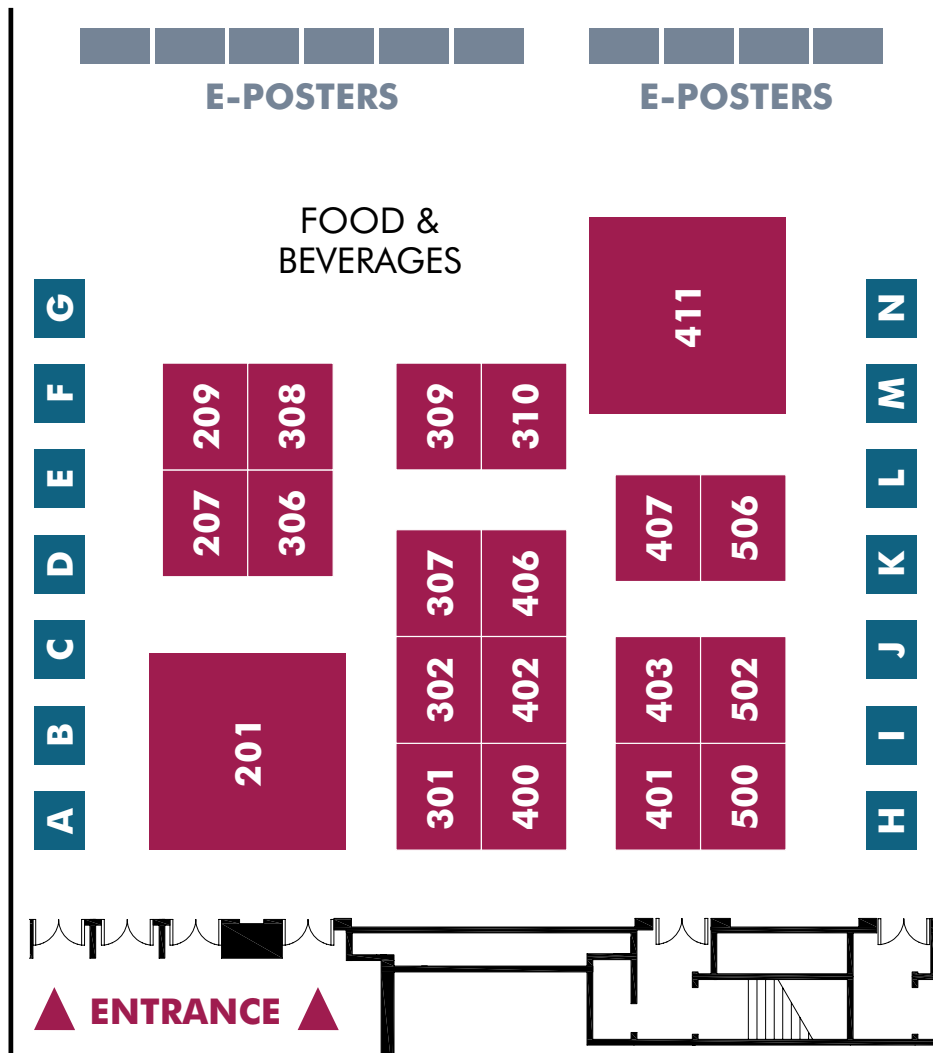


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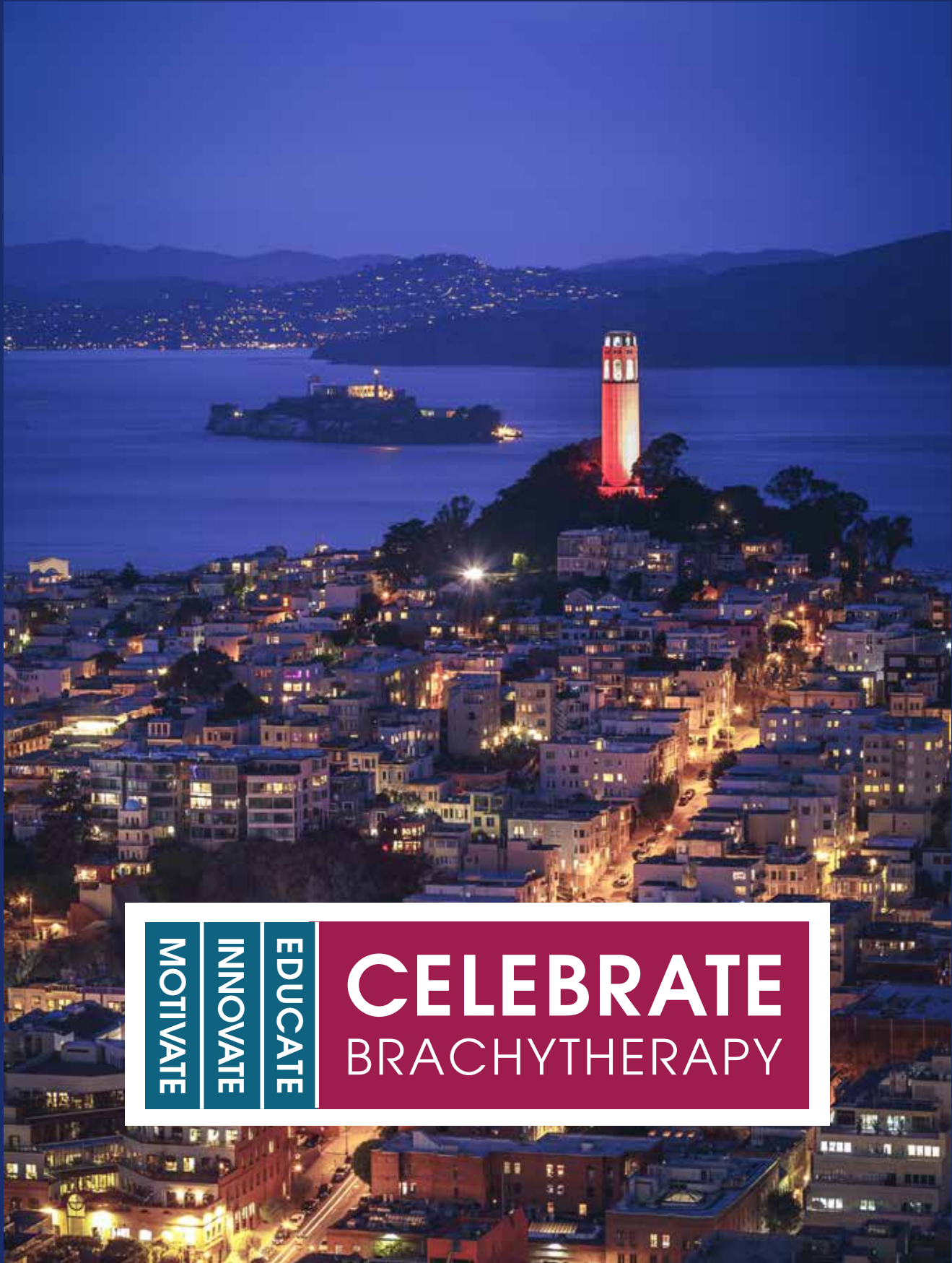


▼ **SPEAKER READY ROOM:** For uploading your presentations, the **GREEN ROOM** will serve as the **Speaker Ready Room**. You must upload your presentation at **least two hours** prior to presenting.



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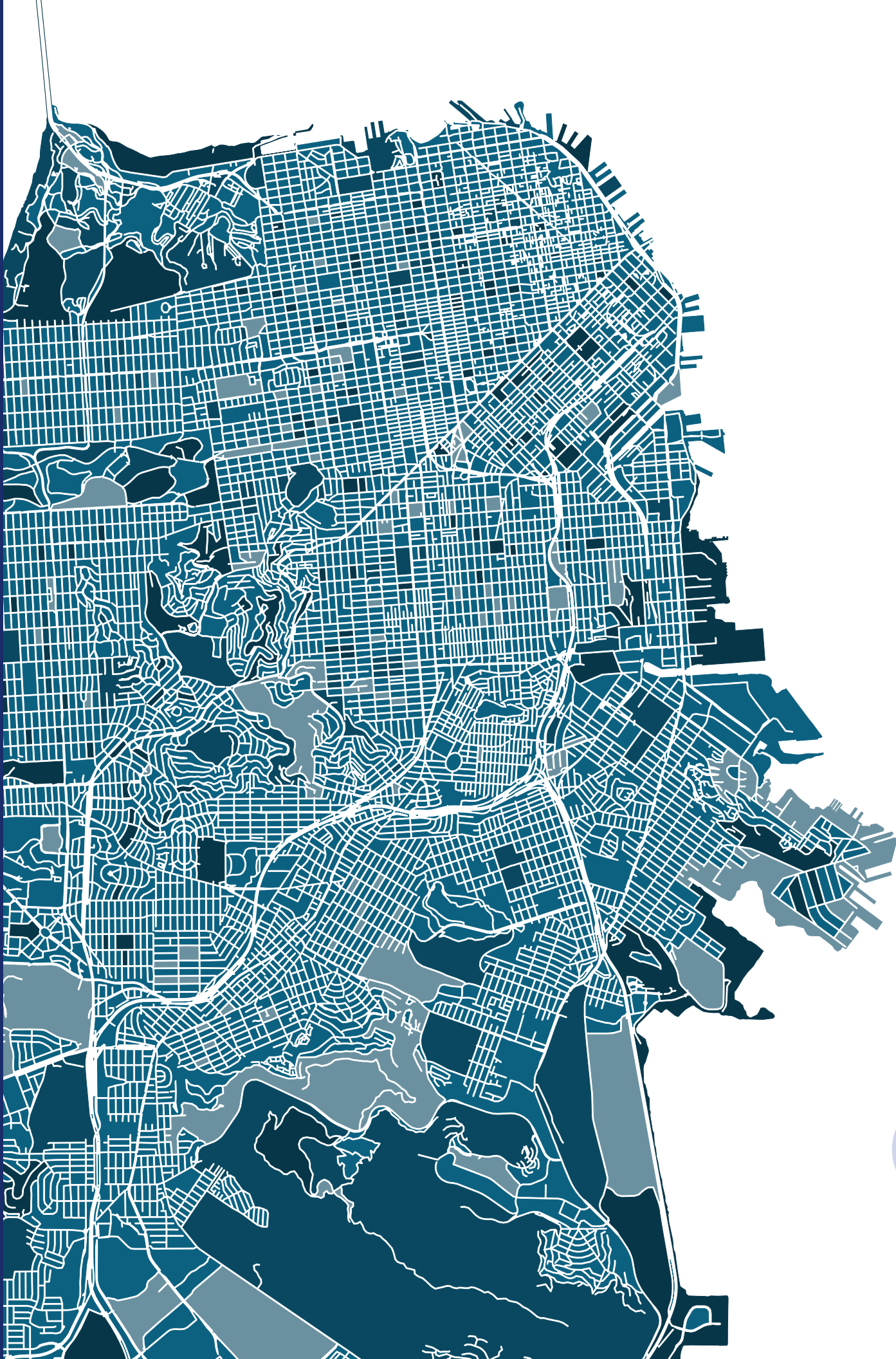


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The American Brachytherapy Society was founded in 1978 to provide insight, rationale, and research into the use of brachytherapy in the treatment of both malignant and benign conditions. The organization consists of physicians, physicists, and other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



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