Final Program

ASTRO 2015

technology meets patient care

57TH ANNUAL MEETING

Meeting Dates: October 18-21, 2015
Exhibit Dates: October 18-20, 2015
Henry B. González Convention Center
San Antonio

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#ASTRO15

Held in conjunction with:
American Society of Radiologic Technologists (ASRT)
Association of Residents in Radiation Oncology (ARRO)
Society for Radiation Oncology Administrators (SROA)
Dear Colleagues,

Welcome to ASTRO’s 57th Annual Meeting and to the historic and multi-cultural city of San Antonio. It has been my honor to chair this meeting. When I was asked to create the theme for this year’s meeting, I was drawn to the idea of integrating the highly technology-based field of radiation oncology with maintaining excellence in patient-centered and compassionate care. **“Technology Meets Patient Care”**

The Annual Meeting Scientific Committee, led by Benjamin Movsas, MD, FASTRO, together with a dedicated group of volunteers, has assembled an exciting program of scientific offerings from the more than 2,800 abstract submissions. The meeting will highlight the latest technological advances while emphasizing the importance of using our clinical skills to provide patients the benefit and value of radiation oncology. I encourage you to take advantage of the full portfolio of educational and scientific sessions, ePosters, posters, eContouring workshops, panels and keynote speakers showcasing the theme. The popular Plenary and Clinical Trials sessions will once again be offered unopposed to allow everyone to attend these highly rated and important sessions.

The meeting will begin with the Presidential Symposium, “Multidisciplinary Management of Esophageal and Rectal Cancers.” Moderated by two senior experts in the field of GI oncology, Leonard L. Gunderson, MD, MS, FASTRO, and Joel E. Tepper, MD, FASTRO, the symposium will highlight the multidisciplinary approach to these diseases. Len and Joel have assembled a terrific group of speakers who will review both current approaches and future treatment strategies.

Our keynote speakers, Arul Chinnaiyan, MD, PhD, Francisco G. Cigarroa, MD, and Gerald B. Hickson, MD, will share their expertise on a range of topics including translational science, administration, and safety and quality.

The Awards Ceremony will be held immediately following Tuesday’s General Session. Please join me in congratulating our 2015 ASTRO Gold Medalists, Fellows and Honorary Member. I also extend a very warm welcome and note of appreciation to our industry partners for their support and contributions to our specialty. I encourage you to visit the Exhibit Hall to learn about their latest developments.

Thank you for coming to our Annual Meeting. I know that it will provide you with new insights, ideas and inspiration to bring back to your practice and your patients. Please enjoy the meeting and all that the great city of San Antonio has to offer!

Bruce D. Minsky, MD, FASTRO
President, ASTRO
Chair, Annual Meeting Steering Committee
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Continuing Medical Education

NEEDS STATEMENT
Cancer is a leading cause of death worldwide. According to the World Health Organization (WHO), cancer deaths worldwide are projected to continue to rise to more than 11 million in 2030. The American Cancer Society estimates that in 2015, 1.66 million new cases of cancer will be diagnosed. Nearly two-thirds of these patients will receive radiation therapy during their illness – most with the intent to cure the cancer. Advances in the applications, technologies and methodologies of radiation oncology continue to evolve rapidly and the delivery of radiation therapy has become more complex, making it imperative that the radiation oncology professional remain current in the state-of-the-art techniques. The American Society for Radiation Oncology is committed to providing educational programming that creates a forum for global collaboration on issues in radiation oncology to improve professional practice by increasing levels of knowledge, as required to improve competency and performance, in the field of oncology.

PROGRAM DESCRIPTION AND OBJECTIVES
The scientific program will continue to be the ideal platform to bring together clinicians, scientists and researchers from all of the oncologic disciplines to exchange ideas, promote multidisciplinary care and address the educational and professional development interests of our attendees. Scientific and educational sessions will cover specific clinical areas including breast, central nervous system, gastrointestinal, genitourinary, gynecological, head and neck, lymphoma, musculoskeletal, pediatric, sarcoma and thoracic cancers. Radiation biology and radiation physics concepts will also be explored.

During the 2015 Annual Meeting, the program will highlight the latest technological advances while emphasizing the importance of using clinical and non-clinical skills to provide patients the full benefit and value of radiation oncology. The program will demonstrate the technology-based specialty and the many significant advances that have come from new and exciting technologies. At the same time, the program will also bring members back to the core mission of clinicians, which is to maintain clinical acumen and provide patient-centered and compassionate care. Embracing new technologies is complementary, not competitive with being a great clinician. This year’s meeting will offer a robust program of educational and scientific sessions, panels and keynote speakers, showcasing the theme of “Technology Meets Patient Care.”

The Annual Meeting, a live four-day interactive meeting, will feature a continued emphasis on patient quality and safety issues in the delivery of radiation therapy in the areas of treatment techniques, equipment, terminology and professional responsibilities. Program content has been designed to address specific documented and clinically important practice gaps in physician knowledge and competence.

At the conclusion of this activity, the learner will be able to:

1. Examine the advances in radiation oncology technologies that help improve patient outcomes and quality of life.
2. Employ quality and safety measures in the delivery of radiation therapy.
3. Apply clinical and non-clinical skills demonstrating their ability to provide patient-centered and compassionate care.

ELEMENTS OF COMPETENCE
The Annual Meeting program has been designed to narrow the competency gaps of patient/patient-centered care, medical knowledge, evidence-based practice, interpersonal skills and communication, practice-based learning and improvement, work in interdisciplinary teams, quality improvement, professionalism, professional standing and commitment to lifelong learning, eleven of the fifteen core competencies embraced by the American Board of Medical Specialties, Accreditation Council for Graduate Medical Education and the Institute of Medicine.

TARGET AUDIENCE
This live continuing medical education activity is designed to meet the interests of radiation oncologists, radiation oncology residents, radiation biologists, radiation physicists, dosimetrists, oncologists working in related specialties, radiation therapists, radiation oncology nurses, radiation oncology administrators, diagnostic radiologists and all other health professionals involved in the field of radiation oncology.

CONTINUING EDUCATION CREDITS

PHYSICIANS
The American Society for Radiation Oncology (ASTRO) is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

ASTRO designates this live activity for a maximum of 38 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.
PHYSICISTS
CAMPEP has approved this activity for 38 medical physics continuing education credit (MPCEL) hours.

DOSIMETRISTS
An application has been submitted to the Medical Dosimetrist Certification Board for designation of MDCB credit.

NURSES
This activity has been submitted to the Oncology Nursing Society (ONS) for approval to award contact hours. ONS is accredited as an approver of continuing nursing education by the American Nurses Credentialing Center’s Commission on Accreditation.

PROGRAM EVALUATION PROCESS AND CONTINUING EDUCATION CREDITS
All attendees are encouraged to complete the online evaluation. However, you must be a full-conference or one-day only registrant to receive continuing education credit. To receive continuing education credits, you must evaluate each of the sessions you attended using the online evaluation no later than November 23, 2015.

There are three ways to complete the evaluation. New this year, you will be able to complete the evaluation through the mobile app. Simply select the CE Evaluation button within each session to evaluate and get credits. You will also be able to complete the evaluation on-site using one of the on-site computer stations located at CE Central in Park View Registration on the Concourse Level of the Henry B. Gonzales Convention Center. You may also complete the evaluation online via the online conference planner. Instructions for accessing the new evaluation tool via the Online Conference Planner and mobile app can be found on page 7 of the final program.

Evaluation Reminders:
• You can access the evaluation system throughout the meeting and save your progress as you go.
• You will be able to print or email your certificate after the session and general evaluations have been submitted.
• Nurses should complete the evaluation with the link sent to them at the email address they provided when registering for the meeting.

For questions regarding continuing education credits, please visit the CE Central Booth located in Parkview Registration on the Concourse Level, or email the Education Department at education@astro.org.

DISCLOSURE OF VESTED INTEREST
ASTRO is an accredited provider of continuing medical education. Since our accreditation is important to us, we plan activities that are compliant with the ACCME and the content or format of CME activities and related materials will promote improvements or quality in health care and not a specific proprietary business interest or commercial bias. Planning Committee members and speakers are required to disclose the existence of any financial or other relationship with the manufacturer(s) of any commercial product(s) or provider(s) of any commercial services discussed in an educational presentation.

Any conflicts of interest are resolved prior to participation. In addition to written disclosure, presenters will disclose any vested interest or their intention to discuss off-label use of pharmaceuticals or devices, if applicable, to the audience at the beginning of their presentation and in accordance with the Accreditation Council for Continuing Medical Education standards and the Food and Drug Administration requirements.

In an effort to increase transparency and easy access to all disclosures, faculty, committee and planner disclosure information will be available online for the 2015 Annual Meeting. Go to the ASTRO Annual Meeting Program Web page at www.astro.org/soe15. In addition, disclosure slides will be shown at the beginning of each session and in the Online Conference Planner and mobile app. Disclosure information will not be printed in paper versions of the meeting materials.

DISCLAIMER
ASTRO is committed to the free exchange of medical education. Inclusion of any presentation in this program, including presentations of off-label uses, does not imply an endorsement by ASTRO of the uses, products or techniques presented.

The information contained in this program is current as of September 14, 2015, and is subject to change. Program changes will be provided in an addendum and posted online.
NEW THIS YEAR! 
CE EVALUATION IN ASTROMOBILE

In response to attendee feedback, ASTRO is pleased to announce the CE Evaluation tool is now available in ASTROMobile, the official meeting app! Attendees may now evaluate sessions for CE credit on their mobile device while attending a session using ASTROMobile. The CE Evaluation tool is also available via the Online Conference Planner (OCP).

Attendees still have multiple options for obtaining their CE Credits, including using their mobile device, the on-site computer stations at CE Central, a personal computer or a combination of all three. As always, attendees will have up to 30 days to complete the online evaluation post-meeting via the OCP or ASTROMobile.

To obtain your continuing education credits, use one or all of the following three methods as your on-site meeting experience and schedule allow:

ASTROMobile
• Download the official meeting app, ASTROMobile15, and log in with your credentials.
• Navigate to Sessions and find the session you want to evaluate.
• Select the CE Evaluation button.
• Complete the session evaluation, and the session will be added to your My Plan.
• The ASTROMobile CE Evaluation option will be available fifteen minutes after the start of the first scheduled session and will close 30 days post-meeting.

Online Conference Planner (OCP)
• Visit the website at www.astro.org/conferenceplanner, and log in with your credentials.
• Navigate to Sessions and find the session you want to evaluate.
• Select the CE Evaluation button.
• Complete the session evaluation and the session will be added to your My Plan.
• The OCP CE Evaluation option will be available fifteen minutes after the start of the first scheduled session and will close 30 days post-meeting.
• View/email/print your certificate. (Certificates will be available in the OCP for up to three years after the meeting.)

On-site Computer Stations
• Visit CE Central, located in Park View Registration on the Concourse Level, and find an available computer.
• Select the CE Evaluation, and log into your My Plan with your credentials.
• Navigate to Sessions and find the session you want to evaluate.
• Select the CE Evaluation button.
• Complete the session evaluation and the session will be added to your My Plan.
• View/email/print your certificate.

ANNUAL MEETING GENERAL SURVEY

Please remember to complete the Annual Meeting General Survey. Attendees requesting continuing education credits must complete the General Survey in order to print their certificate. Your responses will be used to improve your future meeting experience.

For questions regarding continuing education credits or how to complete the evaluation on any of the available platforms, please visit the CE Central Booth located in Park View Registration on the Concourse Level, or email the Education Department at education@astro.org.
2015 Committee Members

2015 Annual Meeting Steering Committee

Bruce D. Minsky, MD, FASTRO
ASTRO President

David C. Beyer, MD, FASTRO
ASTRO President-elect

Benjamin Movsas, MD, FASTRO
Annual Meeting Scientific Committee, Chair

Lisa A. Kachnic, MD, FASTRO
Annual Meeting Scientific Committee, Vice-chair

Catherine C. Park, MD
Annual Meeting Education Committee, Chair

Brian G. Czito, MD
Annual Meeting Education Committee, Vice-chair

Paul M. Harari, MD, FASTRO
Education Council, Chair

Andrea Ng, MD, MPH
Best of ASTRO, Chair

Theodore L. DeWeese, MD
Best of ASTRO, Immediate Past Chair
### 2015 Annual Meeting Scientific Committee

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<th>Name</th>
<th>Position</th>
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<tbody>
<tr>
<td>Benjamin Movsas, MD, FASTRO</td>
<td>Chair</td>
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<td>Lisa Kachnic, MD, FASTRO</td>
<td>Vice-chair</td>
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<td>Kevin Albuquerque, MD</td>
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<td>Jonathan Ashman, MD, PhD*</td>
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<td>Elizabeth Baldini, MD, MPH</td>
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<td>Beth Beadle, MD, PhD</td>
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<td>Justin Bekelman, MD*</td>
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<td>Jennifer Bellon, MD*</td>
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<td>Lawrence Berk, MD, PhD</td>
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<td>Ramesh Bilimagga, MD</td>
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<td>Allen Chen, MD</td>
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<td>Bouthaina Dabaja, MD*</td>
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<td>Shari Damast, MD*</td>
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<td>Indra Das, PhD, FASTRO</td>
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<td>Lorraine Drapek, NP*</td>
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<td>Jason Efstathiou, MD, PhD*</td>
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<td>Suzanne Evans, MD</td>
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<td>Felix Feng, MD*</td>
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<td>James Alan Hayman, MD, FASTRO*</td>
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<td>Alice Ho, MD</td>
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<td>Salma Jabbour, MD</td>
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<td>Jonathan Knisely, MD</td>
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<td>Stephen Thomas Lutz, MD, FASTRO</td>
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<td>Anand Mahadevan, MD*</td>
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<td>Anita Mahajan, MD</td>
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<td>Brandon Mancini, MD</td>
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### 2015 Annual Meeting Education Committee

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<td>Catherine C. Park, MD</td>
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<td>Brian Czito, MD</td>
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<td>Changhu Chen, MD</td>
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<td>Josephine Chen, PhD</td>
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<td>Beth A. Erickson, MD, FASTRO*</td>
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<td>Alexander Gottschalk, MD, PhD</td>
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<td>Robert J. Griffin, PhD</td>
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<td>Chul S. Ha, MD, FASTRO</td>
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<td>Daniel Hamstra, MD, PhD</td>
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<td>Jona Hattangadi, MD</td>
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<td>Alice Y. Ho, MD*</td>
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<td>David Hodgson, MD*</td>
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<td>Janet Horton, MD</td>
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<td>Bridget Koonztz, MD</td>
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<td>Harvey Mamon, MD, PhD*</td>
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<td>Charles Mayo, PhD</td>
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<td>Loren Meld, MD</td>
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<td>Jeffrey Meyer, MD, MS</td>
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<td>Seth Miller, MD</td>
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<td>Arno J. Mundt III, MD, FASTRO</td>
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<td>Andrea K. Ng, MD, MPH*</td>
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<td>Christopher Njeh, PhD</td>
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<td>George Wilson, PhD</td>
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<td>Min Yao, MD, PhD*</td>
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<td>James B. Yu, MD*</td>
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<td>B. Ashleigh Guadagnolo, MD, MPH*</td>
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### 2015 Annual Meeting News Planning Team

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<tr>
<th>Name</th>
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<tr>
<td>David C. Beyer, MD, FASTRO</td>
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### 2015 Annual Meeting Nursing Subcommittee

<table>
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<tbody>
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<td>Lorraine C. Drapek, RN, FNP-BC, AOCNP, Vice-chair</td>
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<td>Alicia L. DeCaria, BSN, RN</td>
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<td>Michelle Fay, OCN, RN</td>
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<td>Lynn Leandro, GNP-BC/AOCNP</td>
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</tbody>
</table>
Thank You

2015 Abstract Reviewers
2015 Session Reviewers

Thank You to the 2015 Session Reviewers

David C. Beyer, MD, FASTRO
Brian Czito, MD
Thomas Eichler, MD, FASTRO
Beth Erickson, MD, FASTRO
B. Ashleigh Guadagnolo, MD, MPH
Stephen M. Hahn, MD, FASTRO
Paul M. Harari, MD, FASTRO
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Benjamin Movsas, MD, FASTRO
Catherine C. Park, MD
George Rodrigues, MD, PhD
Min Yao, MD, PhD
James B. Yu, MD
Gold Medal Recipients

The Gold Medal is ASTRO’s highest honor bestowed on revered members who have made outstanding contributions to the field of radiation oncology.

2015 GOLD MEDALISTS

CARL R. BOGARDUS JR., MD, FASTRO

Dr. Bogardus is the clinical director and vice-chairman of the department of radiation oncology at the University of Oklahoma Health Science Center in Oklahoma City, as well as former Chair of ASTRO’s Board of Directors. He has had a major impact on socioeconomic and health policy issues related to radiation oncology, as well as being instrumental in the introduction of the specialty’s resource-based relative value payment system. He is recognized as a vital contributor in the development of CPT-IV, which validated the concepts of treatment planning, simulation, dosimetry calculations and physics procedures as separate and distinct clinical services.

CARL M. MANSFIELD, MD, ScD (HON.), FASTRO

Dr. Mansfield is an emeritus professor and former chair of the departments of radiation oncology at the University of Kansas, Thomas Jefferson University Hospital and the University of Maryland School of Medicine. He has made significant contributions to the development of intraoperative radiation therapy for early breast cancer. His research comparing perioperative and intraoperative Ir-192 breast implant began the wave of clinical work in breast cancer IORT that continues today. As a passionate advocate for public health, he has worked tirelessly to educate and protect vulnerable populations from the burden of cancer, including leading efforts against tobacco product marketing designed to increase cigarette consumption in African-American communities.

JAMES B. MITCHELL, PHD, FASTRO

Dr. Mitchell is chief of the radiation biology branch of the National Cancer Institute in Bethesda, Maryland. He is an internationally recognized scientist in the field of radiation biology and translational oncology. His primary research focus has been the identification of means to modify the radiation response of tumors and normal tissues. Dr. Mitchell’s research has made significant advancements to free radical biology, radiosensitization, radioprotection, chemoprevention, and novel biochemical and physiological imaging platforms to assess tumor hypoxia and metabolism.

Gold Medal Recipients

The Gold Medal is ASTRO’s highest honor bestowed on revered members who have made outstanding contributions to the field of radiation oncology.

2015 GOLD MEDALISTS

CARL R. BOGARDUS JR., MD, FASTRO

Dr. Bogardus is the clinical director and vice-chairman of the department of radiation oncology at the University of Oklahoma Health Science Center in Oklahoma City, as well as former Chair of ASTRO’s Board of Directors. He has had a major impact on socioeconomic and health policy issues related to radiation oncology, as well as being instrumental in the introduction of the specialty’s resource-based relative value payment system. He is recognized as a vital contributor in the development of CPT-IV, which validated the concepts of treatment planning, simulation, dosimetry calculations and physics procedures as separate and distinct clinical services.

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Fellow Recipients

The ASTRO Fellows designation honors those who have been an Active or Emeritus Member of ASTRO for at least 15 years, have given the equivalent of 10 years of service to ASTRO and have made significant contributions to the field of radiation oncology.

ASTRO PROUDLY RECOGNIZES THE 2015 CLASS OF FELLOWS

- May Abdel-Wahab, MD, PhD, International Atomic Energy Agency, Vienna, Austria
- Kaled M. Alektiar, MD, Memorial Sloan Kettering Cancer Center, New York
- Manjeet Chadha, MD, Mount Sinai Beth Israel N.Y., New York
- A. Bapsi Chakravarthy, MD, Vanderbilt University, Nashville, Tennessee
- Eric L. Chang, MD, Keck School of Medicine of USC, Los Angeles
- Joel M. Cherlow, MD, PhD, Long Beach Radiation Oncology Medical Group, Long Beach, California
- Martin Colman, MD, University of Texas Medical Branch Galveston, Galveston, Texas
- Carol A. Hahn, MD, Duke Cancer Institute, Raleigh, North Carolina
- James M. Larner, MD, University of Virginia, Charlottesville, Virginia
- Robert C. Miller, MD, MBA, Mayo Clinic Florida, Jacksonville, Florida
- Arnold dela Cruz Paulino, MD, MD Anderson Cancer Center, Houston
- Rachel Rabinovitch, MD, University of Colorado Denver
- C. Leland Rogers, MD, Virginia Commonwealth University, Richmond, Virginia
- David I. Rosenthal, MD, MD Anderson Cancer Center, Houston
- Richard Kenneth Valicenti, MD, MA, UC Davis, Sacramento, California
- Julia White, MD, The Ohio State University Comprehensive Cancer Center, Columbus, Ohio
- Yan Yu, PhD, MBA, Thomas Jefferson University, Philadelphia
Honorary Member Recipient

Honorary Membership is awarded annually to a distinguished cancer researcher or leader in a discipline other than radiation oncology, radiation physics or radiobiology.

2015 HONORARY MEMBER

JACK A. ROTH, MD
Dr. Roth is a pioneering surgeon and researcher who is internationally renowned for his demonstrated leadership and commitment to multidisciplinary approaches for treating lung cancer. He was an early innovator in the development of gene therapy for cancer, and his work was the first gene therapy in cancer approved for human use. Dr. Roth is professor, Department of Thoracic and Cardiovascular Surgery, Division of Surgery, MD Anderson Cancer Center, Houston, and chief, Section of Thoracic Molecular Oncology, Department of Thoracic and Cardiovascular Surgery, Division of Surgery, MD Anderson Cancer Center, Houston.
Annual Meeting Abstract Awards
2015 ASTRO ANNUAL MEETING AWARD RECIPIENTS

RESIDENT CLINICAL/BASIC SCIENCE RESEARCH AWARD
Shuang Zhao MD, MSE (Radiation and Cancer Biology)
Shariq Khwaja, MD, PhD (Clinical)
Alec Block, MD (Radiation Physics)

BASIC/TRANSLATIONAL SCIENCE ABSTRACT AWARD

Radiation and Cancer Biology
David Azria, MD, PhD
Mohamed Abazeed, MD, PhD
Zachary Morris, MD, PhD

Clinical
Encouse Golden, MD, PhD
Frank Giordano, MD
Sungjune Kim, MD, PhD

Radiation Physics
Nan Li, PhD
Stephen Yip, PhD
Baderaldeen Altazi, MS
Yi Cui, PhD

ANNUAL MEETING TRAVEL AWARD

Radiation and Cancer Biology
Andrew Sharabi, MD, PhD
Susan Hiniker, MD
Christina Speirs, MD, PhD
Vikram Jairam, BS

Clinical
Israel Fortin, MD, MS
Rahul Parikh, MD
Talha Shaikh, MD
Lindsay Burt, MD
Zabi Wardak, MD

Radiation Physics
Nichole Maughan, MS
Wu Liu, PhD
Ross Bland, MD
Chunhao Wang, MS
Sarah Mattonen, BS

RESIDENT ePOSTER RECOGNITION AWARD
Chad Tang, MD (Radiation and Cancer Biology)
Henry Park, MD, MPH (Clinical)
Michael Repka, MD (Radiation Physics)

RESIDENT POSTER VIEWING RECOGNITION AWARD

Radiation and Cancer Biology
Jordon Torok, MD
Darrion Mitchell, MD, PhD
Alexei Polishchuk, MD, PhD

Clinical
James Melotek, MD
Rupesh Kotecha, MD
Ajeet Gandhi, MD

Radiation Physics
Christopher Wilke, MD, PhD
Zhilei Shen, PhD
Alan Lee, MD

INTERNATIONAL ANNUAL MEETING SCIENTIFIC ABSTRACT AWARD
Shuanghu Yuan, MD, PhD

ANNUAL MEETING NURSE ABSTRACT AWARD
Bridgett Harr, MSN, APRN, AOCNP
An absorbable perirectal spacer that protects the rectum in men undergoing prostate radiotherapy.

INDUSTRY-EXPERT THEATER

Spacing Organs at Risk – SpaceOAR® – Is it a game-changer?

DATE: Monday, October 19, 12:30PM – 1:30PM
LOCATION: Exhibit Hall B, Theater 1
Registration on site. Box lunch will be provided.

FACULTY

Hydrogel spacer use in dose escalated prostate SBRT
Robert Timmerman, M.D.

SpaceOAR US study results
John E. Sylvester, M.D.

First experience using hydrogel spacer in prostate proton therapy
Marcio Fagundes, M.D.

PANEL
Rodney J. Ellis, M.D.
Neil Mariados, M.D.
Walter R. Bosch, D.Sc.
General Information

HENRY B. GONZÁLEZ CONVENTION CENTER
200 East Market Street
San Antonio, TX 78205
www.sahbgcc.com

All activities take place at the Henry B. González Convention Center unless otherwise stated. All information is correct as of September 14, 2015, and is subject to change.

ATTENDEE REGISTRATION
East Registration – Street Level

ATTENDEE REGISTRATION HOURS
Saturday, October 17 7:30 a.m. - 5:00 p.m.
Sunday, October 18 6:30 a.m. - 5:00 p.m.
Monday, October 19 7:00 a.m. - 6:00 p.m.
Tuesday, October 20 7:00 a.m. - 5:00 p.m.
Wednesday, October 21 7:00 a.m. - 2:00 p.m.

EXHIBITOR REGISTRATION
East Registration – Street Level

EXHIBITOR REGISTRATION HOURS
Thursday, October 15 8:00 a.m. - 5:00 p.m.
Friday, October 16 8:00 a.m. - 5:00 p.m.
Saturday, October 17 8:00 a.m. - 5:00 p.m.
Sunday, October 18 7:00 a.m. - 5:00 p.m.
Monday, October 19 8:00 a.m. - 5:00 p.m.
Tuesday, October 20 8:00 a.m. - 5:00 p.m.

ABSTRACTS AND EMBARGO POLICY

The full text of the abstracts selected for oral, ePoster and poster presentation are available on the Annual Meeting Online Conference Planner and ASTROMobile beginning Saturday, October 17. All abstracts are published in a supplement of the October 1, 2015 issue of the International Journal of Radiation Oncology • Biology • Physics (www.redjournal.org).

All abstracts are embargoed and remain confidential until the date and time of presentation at the Annual Meeting. If you have any questions about the embargo policy, please contact ASTRO’s Press Office, at 703-286-1600 or press@astro.org.
AFFILIATE MEETINGS

39TH ASRT RADIATION THERAPY CONFERENCE  
October 18-20, 2015  
Marriott Rivercenter San Antonio

The 39th Annual ASRT Radiation Therapy Conference will take place at the Marriott Rivercenter San Antonio. ASTRO registered attendees may attend ASRT sessions by paying a reduced registration fee of $195. Proof of registration (registration confirmation or badge) is required to receive this reduced rate. If you have not registered to attend the ASRT conference, but would like to do so, please register on-site at the Marriott Rivercenter San Antonio.

32ND SROA ANNUAL MEETING  
October 18-21, 2015  
Hyatt Regency San Antonio Riverwalk

The 32nd SROA Annual Meeting will take place at the Hyatt Regency San Antonio Riverwalk. ASTRO registered attendees may attend the SROA general session only by paying a reduced registration fee of $210. Proof of registration (registration confirmation or badge) is required to receive this reduced rate. If you have not registered to attend the SROA conference, but would like to do so, please register on-site at the Hyatt Regency San Antonio Riverwalk.

ASTRO CONNECT

Park View Registration – Concourse Level

Need a break between sessions and visits to the Exhibit Hall? Stop by ASTRO Connect! This networking lounge offers an area to charge your devices, network with colleagues, have informal meetings, check in on social media sites or just take a few minutes to relax.

Funded in part by Elekta.
ASTRO PAC LOUNGE
*Park View Registration – Concourse Level*
ASTRO’s political action committee (PAC) is offering access to an exclusive lounge for all ASTRO members who have donated to the ASTRO PAC in 2015. The PAC lounge will feature Internet access, coffee and beverages, food and a place to rest between sessions. Members who have not made their contribution yet will be able to donate on-site. ASTRO PAC provides ASTRO with the opportunity to more fully participate in government and ensure our members’ voices are being heard by key policy makers on Capitol Hill. Be sure to stop by the lounge to get the most recent legislative and election updates. For more information, please email shandi.barnery@astro.org or visit www.astro.org/ASTROPAC.

**Hours of Operation:**
- Sunday, October 18: 9:30 a.m. - 5:00 p.m.
- Monday, October 19: 9:30 a.m. - 5:30 p.m.
- Happy Hour: 4:30 p.m. - 5:30 p.m. (Concourse Level Patio)
- Tuesday, October 20: 9:30 a.m. - 5:00 p.m.

ASK ASTRO: INFORMATION AND MEMBER SERVICES BOOTH
*Park View Registration – Concourse Level*
*Main Lobby – Street Level*
Have a question? Stop by the Ask ASTRO Booth to get your questions answered.

**Hours of Operation:**
- Saturday, October 17: 7:00 a.m. - 5:00 p.m.
- Sunday, October 18: 6:30 a.m. - 5:00 p.m.
- Monday, October 19: 7:00 a.m. - 6:00 p.m.
- Tuesday, October 20: 7:00 a.m. - 5:00 p.m.
- Wednesday, October 21: 7:00 a.m. - 4:00 p.m.

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**57TH ANNUAL MEETING**
**PROMOTIONAL SUPPORTERS**
*(AS OF SEPTEMBER 14, 2015)*

**GOLD**
- [Mevion](https://mevion.com)

**SILVER**
- [Augmenix](https://augmenix.com)
- [Novocure](https://novocure.com)
- [RaySearch Laboratories](https://raysearch.com)
- [ViewRay](https://viewray.com)

**BRONZE**
- CIVCO Medical Solutions
- Hologic
- ProTechSure Scientific

**COPPER**
- D3 Oncology
- Solutions ProNova
- Sun Nuclear
- Vertual

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*Great Meeting?*
*Tweet*
*#ASTRO15*
ASTROmobile — Your Annual Meeting Guide

ASTROmobile gives you access to the meeting program and the ability to customize your meeting experience with personalized maps and planners.

- Search sessions by day, track or speaker.
- Search exhibitors by name, booth number or product/service category.
- Locate sessions and exhibitors with customized maps.
- Search and view the full abstracts.
- Preview general meeting information.
- View convention center maps.
- Take notes on a session or exhibitor and access your notes from your mobile device.
- Exchange messages with colleagues attending the meeting using Find-a-Friend.
- Integrates with the Online Conference Planner. (See page 7 for more information)
- Complete CE Evaluation and General Meeting survey.

Please note that all information in the final program is available on ASTROmobile.

ASTROmobile Login Instructions

An account has been created for all registered attendees. Please log in as follows:

<table>
<thead>
<tr>
<th>iPhone Users</th>
<th>Android Users</th>
<th>Smartphone Users</th>
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<td>2. Log in with the following credentials:</td>
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<td>Email ID: Email Address</td>
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</table>

Smartphone users can also access ASTROmobile using a QR Code reader and the QR Code to the right.

Login Tips

Your badge number is located on the front of your badge. Your email address is the email that you provided at the time of registration. Your last name must match the spelling on your badge.
BUSINESS CENTER
A UPS Store is conveniently located inside the Lobby at the Henry B. González Convention Center on Street Level. Here you can ship, mail, fax, photocopy or create a last-minute presentation.

To contact the business center, please call 210-258-8950, fax to 210-258-8951 or email store4180@theupsstore.com.

**UPS Store Hours of Operation:**
Saturday, October 17 8:00 a.m. - 5:00 p.m.
Sunday, October 18 Closed
Monday, October 19 9:00 a.m. - 5:00 p.m.
Tuesday, October 20 9:00 a.m. - 5:00 p.m.
Wednesday, October 21 9:00 a.m. - 5:00 p.m.

The UPS Store at the Henry B. González Convention Center is closed on Sunday. If you have business center needs on Sunday, you may utilize the FedEx Office Print and Ship Center located nearby at the Grand Hyatt San Antonio.

**FedEx Store Hours of Operation:**
Saturday, October 17 10:00 a.m. - 5:00 p.m.
Sunday, October 18 10:00 a.m. - 5:00 p.m.
Monday, October 19 7:00 a.m. - 7:00 p.m.
Tuesday, October 20 7:00 a.m. - 7:00 p.m.
Wednesday, October 21 7:00 a.m. - 7:00 p.m.

Hours are subject to change. Please visit the FedEx website for the most current information.

Location: 600 E. Market Street
Contact: 210-212-7133 or usa5046@fedex.com

CE CENTRAL
**Park View Registration – Concourse Level**
Staff from ASTRO and the American Board of Radiology (ABR) will be on hand during the meeting to answer your individual questions about continuing education and Maintenance of Certification (MOC) requirements, including:

- Current MOC participation status.
- My ABR attestation and documentation guidance.
- Transferring credits between ASTRO and the ABR.
- How to complete an evaluation.

CE Central computer stations provide access for you to:

- Complete your continuing education and meeting evaluation.
- View/print a session tracking form.
- Search abstracts.
- Search exhibitors.
- Update your Online Conference Planner.

**Hours of Operation:**
Saturday, October 17 8:00 a.m. - 6:15 p.m.
Sunday, October 18 7:15 a.m. - 6:30 p.m.
Monday, October 19 7:15 a.m. - 6:00 p.m.
Tuesday, October 20 7:15 a.m. - 6:30 p.m.
Wednesday, October 21 7:15 a.m. - 4:45 p.m.

ANNUAL BUSINESS MEETING AND LUNCH
**Tuesday, October 20**
**11:30 a.m. - 1:00 p.m.**
**Room 103 A/B – Street Level**
ASTRO voting members (Active, Affiliate and International members) are invited to attend the Annual Business Meeting. Leaders of the Society will discuss topics of interest to ASTRO members. Lunch will be served.

Tweet #ASTRO15
Concessions

A number of food concession outlets are located on the Street Level and in Halls B and D where attendees can grab a cup of coffee, sandwich or salad. The lunch voucher that you received with your registration materials can only be used at the food outlets in the Exhibit Hall.

**EL PUENTE**

*Main Lobby – Street Level*

Serves coffee, snacks, grab and go sandwiches and salads, soft drinks and hot breakfast items.

*Hours of Operation:*

<table>
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<th>Day</th>
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**POUR FAVOR**

*Main Lobby – Street Level*

Serves coffee, snacks, grab and go sandwiches and salads, soft drinks.

*Hours of Operation:*

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</table>

**EXHIBIT HALL CONCESSIONS**

*Halls B and D*

A number of concession stands will be located throughout the Exhibit Hall. A variety of sandwiches, salads, snacks and hot and cold beverages will be available.

*Hours of Operation:*

<table>
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</tr>
<tr>
<td>Tuesday, October 20</td>
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**LUNCH VOUCHERS**

All attendees receive a $10 lunch voucher with their registration materials. The lunch voucher can be used in the Exhibit Hall Concession areas located in Halls B and D. We will be offering a number of sandwich, salad and wrap food combos with a drink that can be redeemed with the lunch voucher. Daily lunch specials are also available with the lunch voucher. These combos and daily specials are only available inside the Exhibit Hall. The lunch vouchers will not be accepted at food outlets outside of the Exhibit Hall. Lost vouchers will not be replaced.
CYBER CAFÉ

East Registration – Street Level
Near Room 208 - Concourse Level
ASTRO attendees can check email, browse the Internet, print a boarding pass or registration receipt and much more at one of several Cyber Cafés located in East Registration and near Room 208.

Hours of Operation:
Saturday, October 17  7:30 a.m. - 5:00 p.m.
Sunday, October 18  6:30 a.m. - 5:00 p.m.
Monday, October 19  7:00 a.m. - 6:00 p.m.
Tuesday, October 20  7:00 a.m. - 5:00 p.m.
Wednesday, October 21  7:00 a.m. - 4:30 p.m.

EXHIBIT HALL

Halls B-D – Street Level
Learn about the latest products in cancer treatment and care in the Exhibit Hall.

Hours of Operation:
Sunday, October 18  10:00 a.m. - 5:00 p.m.
Monday, October 19  10:00 a.m. - 5:00 p.m.
Tuesday, October 20  10:00 a.m. - 5:00 p.m.

EXHIBITOR PRODUCT INFORMATION
Your registration badge will include an aztec code that contains your contact information. This code can be scanned by exhibitors in the Exhibit Hall so that you may request information on products and services offered by the company. Your contact information will include your email address, unless you opted not to include it during the registration process. Please stop by Attendee Registration in the East Registration area if you would like to change your contact information.

FACULTY/VIP OFFICE

Room 206 A/B – Concourse Level
Faculty members and ViPs should check in at the Faculty/VIP Office to pick up registration materials and receive last-minute updates and program changes. The Faculty/VIP Office is conveniently located next to the Speaker Ready Room. Faculty and ViPs are welcome in the Faculty/VIP Office throughout the meeting.

Faculty members include:
- Educational Session speakers.
- Panel moderators and presenters.
- Scientific Program moderators and discussants.
- eContouring Learning Lab presenters.
- Presidential Symposium speakers.
- Keynote speakers and introducers.
- Nurses’ Program speakers.
- International Symposium speakers.

Note: Presenters of abstracts are not classified as faculty and should follow attendee registration instructions.

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FIRST AID

Room H-35 – Street Level
(Behind Exhibit Hall C near the escalators)
First Aid: 210-582-7027 or ext. 7027 from a house phone
Building Emergency: 210-207-7773 or 207-7773 from a house phone

First Aid is located on the Street Level - Room H-35. In an emergency, please dial ext. 7027 from a house phone, contact First Aid or go to ASTRO Registration and have a staff person contact security.

Hours of Operation:
Monday, October 12  8:00 a.m. - 5:00 p.m.
Tuesday, October 13  8:00 a.m. - 5:00 p.m.
Wednesday, October 14  8:00 a.m. - 5:00 p.m.
Thursday, October 15  8:00 a.m. - 8:00 p.m.
Friday, October 16  8:00 a.m. - 8:00 p.m.
Saturday, October 17  7:00 a.m. - 8:00 p.m.
Sunday, October 18  6:30 a.m. - 6:00 p.m.
Monday, October 19  7:00 a.m. - 7:00 p.m.
Tuesday, October 20  7:00 a.m. - 10:00 p.m.
Wednesday, October 21  7:00 a.m. - 8:00 p.m.
Thursday, October 22  8:00 a.m. - 12:00 p.m.
This activity allows companies to present their noteworthy products and services through a live presentation. Seating is available on a first-come, first-served basis. The Industry-Expert Theater content and views expressed therein are those of the exhibitor and not of ASTRO. Unless otherwise indicated, food will be available for purchase prior to the start of the event in the Hall B concession area conveniently located near the Industry-Expert Theaters.*

**SUNDAY, OCTOBER 18**

**12:15 p.m. - 1:15 p.m.**  
INNOVATIONS IN INFORMED THERAPY GUIDANCE  
*Location:* Theater 1  
*Company:* Philips  
*Contact:* Sara Randall  
*Phone:* 608-301-7739

**12:15 p.m. - 1:15 p.m.**  
TOMOTHERAPY TODAY AND TOMORROW: AN ACCURAY-AERO SYMPOSIUM  
*Location:* Theater 2  
*Company:* Accuray  
*Contact:* Billie Brush  
*Phone:* 408-242-6669

**2:45 p.m. - 3:15 p.m.**  
BREAKING THE MYTH OF THE SINGLE VENDOR  
*Location:* Theater 1  
*Company:* RaySearch  
*Contact:* Dayna Bodensteiner  
*Phone:* 605-787-2450

**TUESDAY, OCTOBER 20**

**11:45 a.m. - 12:45 p.m.**  
TUMOR TREATING FIELDS: UNDERSTANDING TREATMENT WITH OPTUNE  
*Location:* Theater 1  
*Company:* Novocure  
*Contact:* Tracey Hanover  
*Phone:* 212-767-7535

**11:45 a.m. - 12:45 p.m.**  
CYBERKNIFE: EXPANDING SOLUTIONS FOR “PRECISION RADIATION THERAPY”: AN ACCURAY-AERO SYMPOSIUM  
*Location:* Theater 2  
*Company:* Accuray  
*Contact:* Billie Brush  
*Phone:* 408-242-6669

*Location:* Theater 2  
*Company:* Lilly  
*Contact:* Alicia Stout  
*Phone:* 317-208-3657

**MONDAY, OCTOBER 19**

**10:15 a.m. - 10:45 a.m.**  
ADVANCING RADIATION THERAPY THROUGH SOFTWARE INNOVATION  
*Location:* Theater 1  
*Company:* RaySearch  
*Contact:* Dayna Bodensteiner  
*Phone:* 605-787-2450

**12:30 p.m. - 1:30 p.m.**  
ALIGN, ADAPT AND TRACK SOFT TISSUES WITH MRI GUIDED RADIATION THERAPY, A NEW CLINICAL PARADIGM  
*Location:* Theater 1  
*Company:* ViewRay  
*Contact:* Meredith Johnson  
*Phone:* 408-396-2355

**12:30 p.m. - 1:30 p.m.**  
INTRODUCING LEKSELL GAMMA KNIFE® ICON™: THE SYSTEM THAT KNOWS NO BOUNDARIES  
*Location:* Theater 2  
*Company:* Elekta  
*Contact:* Doris AuBuchon  
*Phone:* 770-670-2592

**3:45 p.m. - 4:15 p.m.**  
THE CHANGING FACE OF OPC: EVOLVING TRENDS OF OROPHARYNGEAL SQUAMOUS CELL CARCINOMA  
*Location:* Theater 2  
*Company:* Lilly  
*Contact:* Alicia Stout  
*Phone:* 317-208-3657

**3:45 p.m. - 4:15 p.m.**  
TOPIC: THE SYSTEM THAT KNOWS NO BOUNDARIES  
*Location:* Theater 1  
*Company:* ViewRay  
*Contact:* Meredith Johnson  
*Phone:* 408-396-2355

*Lunch will be provided by Augmenix, which may subject you to reporting under the Federal Sunshine Act (the “Open Payments Program”) or other state laws.*
INDUSTRY SATELLITE SYMPOSIA AND NON-CME INFORMATIONAL/EDUCATIONAL PROGRAMS

ASTRO has reviewed and approved these programs as appropriate for presentation. These programs represent the content and views of the sponsors and are not part of the official ASTRO Annual Meeting.

Monday, October 19
6:45 p.m. – 9:00 p.m.
Challenges and Best Practices in the Use of Radionuclide Therapy in Metastatic CRPC

Marriott Riverwalk San Antonio
Dinner will be provided.

Accreditation: Medscape is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

CME Credits: Medscape designates this live activity for a maximum of 1.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Target Audience: This educational activity is designed for radiation oncologists, medical oncologists, nuclear medicine specialists and other interested physicians with expert perspective.

Learning Objectives:
• Evaluate available and emerging clinical trial data on the use of radionuclide therapy alone or in combination with other agents in men with CRPC and bone metastases.
• Formulate evidence-based treatment strategies for men with CRPC and bone metastases.
• Recognize the risks associated with an incomplete radionuclide therapy regimen in men with CRPC and bone metastases and strategies the care team can take to mitigate these risks.
• Identify strategies to optimize quality of life in men with CRPC and bone metastases.

This activity is hosted by Medscape and is supported by a grant from Bayer Healthcare.

Monday, October 19
6:45 p.m. – 11:30 p.m.
Enhancing Patient Access to Proton Therapy: Opportunities and Challenges

St. Anthony Hotel
A networking reception and dinner will follow presentations.

No CME is offered for this program.

IBA cordially invites radiation oncologists, medical physicists and hospital administrators to attend the Proton Therapy Symposium, which will cover the following aspects of cancer treatment:
• The future and potential of proton therapy.
• Case studies of thoracic tumors treatment with proton therapy.
• The success story of Willis-Knighton Cancer Centre.
• Penn Medicine Roberts Proton Therapy Center experience of Cone Beam CT and Pencil Beam Scanning solutions.

Space is limited. Pre-registration is required.
More information and registration form: www.iba-astro2015.com

This activity is hosted by IBA.
Monday, October 19
7:00 p.m. – 9:00 p.m.
New Therapeutic Strategies for Glioblastoma in 2015
Grand Hyatt San Antonio
Dinner will be provided.

Accreditation: prIME Oncology LLC, is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

CME Credits: prIME Oncology LLC, designates this live activity for a maximum of 1.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Target Audience: This educational activity is designed for radiation oncologists and other health care professionals interested and/or involved in the treatment of patients with glioblastoma (GBM).

Learning Objectives:
• Identify recommended treatment options for the management of newly diagnosed GBM.
• Integrate disease biomarkers into the selection of treatment for newly diagnosed GBM.
• Evaluate recent data from clinical trials studying novel treatment modalities in recurrent GBM.
• Describe new radiation strategies under investigation for treatment of newly diagnosed and recurrent GBM and identify patients for whom these strategies may be appropriate.

This activity is hosted by prIME Oncology LLC, and is supported by a grant from Novocure.

Tuesday, October 20
6:30 p.m. – 8:00 p.m.
DCIS Tumor Board: Complexities in the Management of DCIS – A Multidisciplinary Perspective
Grand Hyatt San Antonio
Heavy appetizers and beverages will be available prior to the tumor board.

No CME is offered for this program.

Target Audience: This non-CME informational/educational activity is designed for radiation oncologists treating DCIS.

Learning Objective:
• Discuss how DCIS patients are being managed in the community setting from surgery, pathology and radiation oncology perspectives.

This activity is hosted by Genomic Health Inc.
LOST AND FOUND

**Main Lobby – Street Level**
To report a missing item, to check to see if an item has been turned into security or to turn in a lost item, please stop by the ASK ASTRO booth located in the Main Lobby.

**Hours of Operation:**
Saturday, October 17  
Sunday, October 18  
Monday, October 19  
Tuesday, October 20  
Wednesday, October 21
7:30 a.m. - 5:00 p.m.  
6:30 a.m. - 5:00 p.m.  
7:00 a.m. - 6:00 p.m.  
7:00 a.m. - 5:00 p.m.  
7:00 a.m. - 4:30 p.m.

LUGGAGE/COAT CHECK

**West Registration – Street Level**
Luggage and coat check will be available in the Henry B. González Convention Center at West Registration on the Street Level for $2 per coat and small handbag and $3 per luggage item.

**Hours of Operation:**
Saturday, October 17  
Sunday, October 18  
Monday, October 19  
Tuesday, October 20  
Wednesday, October 21
7:30 a.m. - 6:00 p.m.  
6:00 a.m. - 6:30 p.m.  
7:00 a.m. - 7:00 p.m.  
7:00 a.m. - 6:30 p.m.  
7:00 a.m. - 5:00 p.m.

PARKING

The Henry B. González Convention Center does not have a public parking facility. Listed below are public parking garages in close proximity to the facility, each of which provide certain spaces reserved for use by authorized, handicapped individuals. Please note ASTRO does not validate for parking.

The City of San Antonio recently launched a new downtown parking locator app provided by Pango Mobile Parking. This FREE parking locator app helps motorists find a parking space using their smartphone’s location. The app includes parking rate data and current availability capacity for all downtown parking locations. The app is available for iPhone and Android users and is free and secure. Download it now at www.mypango.com/solutions/smartphone-application.

**Grand Hyatt Parking Garage**
Bowie and Market Streets  
Phone: 210-451-6464  
Flat rate: $9 for up to 3 hours, $15 for 3-4 hours, $21 for 4-5 hours, $27 for 5+ hours and overnight (per day)  
Closest parking to Convention Center and Lila Cockrell Theatre.

**Marina Garage**
Bowie and Commerce Streets  
Phone: 210-207-8266  
Daily flat rate: $9  
Event flat rate: $11  
Across the street from the main entrance to the Convention Center and Lila Cockrell Theatre.

**Riverbend Garage**
Alamo and Market Streets  
Phone: 1-877-717-0004  
Daily rates: 0-2 hours - $10; 2-4 hours - $12; 4-24 hours - $15  
Overnight rate: $15

**Tower of the Americas Parking**
801 Cesar Chavez Blvd.  
Phone: 210-223-3101  
Daily flat rate: $8  
Event flat rate: $11

Please note that parking rates are subject to change at any time. Please contact the parking facility directly for the most current rate information.
PRESS OFFICE AND NEWS BRIEFINGS

Room 210AB & 212A – Concourse Level

Accredited journalists are provided with press kits and access to cover ASTRO’s 57th Annual Meeting. For more information about ASTRO’s Press Program and Policies, please contact ASTRO’s on-site Press Office at 210-258-8104 or email press@astro.org or visit www.astro.org/AMpress.

Hours of Operation:
Sunday, October 18 8:00 a.m. - 4:00 p.m.
Monday, October 19 8:00 a.m. - 4:00 p.m.
Tuesday, October 20 8:00 a.m. - 4:00 p.m.
Wednesday, October 21 8:00 a.m. - 12:00 p.m.

For ASTRO press information and policies, please visit www.astro.org/AMPress.

PRIVATE INTERVIEW ROOMS

Private interview rooms are available for rent. These rooms are ideal if you have multiple interviews to conduct or would just like to interview applicants in a more private setting. A limited number of private interview rooms are available for three-hour periods, Saturday, October 17 through Tuesday, October 20. For more information, stop by the Ask ASTRO: Information and Member Services booths located in the Main Lobby and Park View Registration areas.

REGISTRANT LOCATOR – FIND-A-FRIEND

Looking to connect with an attendee at the Annual Meeting? You can now use our Find-a-Friend service with ASTROmobile, the official Annual Meeting app. Find-a-Friend allows you to search for an attendee and send messages while at the Annual Meeting.

Connect with attendees.
Tweet
#ASTRO15
Posters

**POSTER SETUP AND REMOVAL**

*Hall A – Street Level*

**Poster Setup Hours**

- Saturday, October 17: 12:00 p.m. - 5:00 p.m.
- Sunday, October 18: 7:30 a.m. - 10:00 a.m.

**Poster Removal Hours**

- Tuesday, October 20: 5:00 p.m. - 7:00 p.m.

**POSTER VIEWING**

*Hall A – Street Level*

ePosters and paper posters will be on display during the poster viewing hours below. Please note that ePosters will not be available for viewing during ePoster discussion session times as the screens will be used for these sessions. See the schedule of events or use the Online Conference Planner or ASTROMobile for the ePoster session schedule.

**Poster Viewing Hours**

- Sunday, October 18: 10:00 a.m. - 5:00 p.m.
- Monday, October 19: 10:00 a.m. - 6:45 p.m.
- Tuesday, October 20: 10:00 a.m. - 5:00 p.m.

**POSTER PICKUP**

*Hall A – Street Level*

For poster presenters who used ASTRO’s poster printing service, there is a special pickup location in Hall A.

**Hours of Operation:**

- Saturday, October 17: 12:00 p.m. - 5:00 p.m.
- Sunday, October 18: 7:30 a.m. - 5:00 p.m.
- Monday, October 19: 10:00 a.m. - 5:00 p.m.

**ePOSTER DISCUSSION SESSIONS**

**SESSION FORMAT**

The ePoster discussion sessions have been re-formatted to allow more time for oral presentations. The sessions will take advantage of touch-screen technology to present more in-depth information, and the monitor structure allows for easy viewing and discussion with colleagues.

ePoster discussion sessions are 90 minutes long and will be formatted as follows:
- 55 minutes – Each of the nine authors have six minutes each to present their poster at the podium.
- 25 minutes – Discussants provide additional information to compare and contrast the abstracts, highlight key points, and moderate questions and answers.
- 10 minutes – ePoster viewing and author interaction.

**POSTER VIEWING SESSION AND RECEPTION**

*Hall A – Street Level*

Monday, October 19: 5:30 p.m. - 6:45 p.m.

All conference attendees are invited to attend the poster viewing session and reception. During this time, poster presenters are available by their poster to answer questions and discuss their research. Drinks will be available for purchase. You must be 21 or older to purchase alcoholic beverages.

**POSTER AWARD PRESENTATION**

*Hall A – Street Level*

Poster award winners are presented their awards at the beginning of the Poster Viewing Session and Reception, and will provide a short oral presentation of their abstract in the poster presentation area within the hall.

**Poster Categories:**

- **Biology**
- **Breast**
- **CNS**
- **Gastrointestinal**
- **Genitourinary**
- **Gynecologic**
- **Head and Neck**
- **Health Services**
- **History/Education**
- **Informatics/Bioinformatics**
- **Lung**
- **Lymphoma/Hematologic/Leukemia**
- **Non-malignant Nursing**
- **Palliative Care**
- **Patient Reported Outcomes**
- **Patient Safety**
- **Pediatrics**
- **Physics**
- **Sarcoma**

**ePOSTER PRESENTER CHECK-IN**

*Outside of rooms 101 and 102 – Street Level*

ePoster presenters must check-in at the ePoster Check-in Booth located between the ePoster session rooms at least two hours prior to your presentation. Staff will be available to assist you with uploading any last-minute changes and to help you prepare for your oral presentation. Presenters are required to stand by their poster for the last 10 minutes of the session. Once the session begins, presenters should sit in the front row and wait for the discussant to call you up to the podium for your presentation.
Passport Program

(As of September 14, 2015)

A special thank you to our Survivor Circle Passport Program Participants. Through their generous donations, Dan’s House of Hope and ThriveWell Cancer Foundation received grants to help support their initiatives helping Texas cancer survivors.

Revenue Cycle, Inc.
Your Expert Oncology Resource

21st Century Oncology

RADIATION ONCOLOGY INSTITUTE (ROI) BOOTH

Park View Registration – Concourse Level

Please plan to visit the Radiation Oncology Institute (ROI) booth, located in Park View Registration on the Concourse Level, to learn more about the ROI’s research initiatives, current projects and how to get involved.

Hours of Operation:

- Sunday, October 18: 8:00 a.m. - 5:00 p.m.
- Monday, October 19: 8:00 a.m. - 5:00 p.m.
- Tuesday, October 20: 8:00 a.m. - 5:00 p.m.
- Wednesday, October 21: 8:00 a.m. - 12:00 p.m.

(As of September 14, 2015)
### Shuttle Service
THE HENRY B. GONZÁLEZ CONVENTION CENTER

This is preliminary information only, which is subject to change at any time without notice.

### HOURS OF OPERATION
<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
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<tbody>
<tr>
<td>Saturday, October 17</td>
<td>7:30 a.m. - 6:30 p.m.</td>
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<tr>
<td>Sunday, October 18</td>
<td>6:30 a.m. - 7:00 p.m.</td>
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<td>Monday, October 19</td>
<td>6:30 a.m. - 7:30 p.m.</td>
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<td>Tuesday, October 20</td>
<td>6:30 a.m. - 7:00 p.m.</td>
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<tr>
<td>Wednesday, October 21</td>
<td>7:30 a.m. - 5:00 p.m.</td>
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</tbody>
</table>

### HOTELS AND BOARDING LOCATIONS
All travel times are approximate pending time of day, day of week and traffic conditions.

<table>
<thead>
<tr>
<th>Route</th>
<th>Hotel</th>
<th>Boarding location at hotel</th>
<th>Approximate one-way travel time</th>
<th>Frequency in minutes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Crockett Hotel, The</td>
<td>At The Menger Hotel</td>
<td>8-12 MINUTES</td>
<td>10-15 PEAK 15-20 NON PEAK</td>
</tr>
<tr>
<td></td>
<td>Hyatt Regency San Antonio</td>
<td>Curbside in front, on Losoya St.</td>
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<tr>
<td></td>
<td>Menger Hotel, The</td>
<td>Curbside on Crockett St.</td>
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<tr>
<th>Route</th>
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<th>Approximate one-way travel time</th>
<th>Frequency in minutes</th>
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<tbody>
<tr>
<td>2</td>
<td>Emily Morgan Hotel (A DoubleTree by Hilton)</td>
<td>Curbside in front</td>
<td>8-12 MINUTES</td>
<td>10-15 PEAK 15-20 NON PEAK</td>
</tr>
<tr>
<td></td>
<td>Fairfield Inn and Suites San Antonio Downtown/Alamo Plaza*</td>
<td>At Residence Inn San Antonio Downtown</td>
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<tr>
<td></td>
<td>Hampton Inn San Antonio Downtown, a Riverwalk Area Hotel</td>
<td>At Residence Inn San Antonio Downtown</td>
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<tr>
<td></td>
<td>Hotel Indigo Downtown-Alamo</td>
<td>At Emily Morgan Hotel</td>
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<tr>
<td></td>
<td>Residence Inn San Antonio Downtown</td>
<td>Curbside in front</td>
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<tr>
<td></td>
<td>SpringHill Suites San Antonio Downtown/Alamo Plaza*</td>
<td>At Residence Inn San Antonio Downtown</td>
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<tr>
<th>Route</th>
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<th>Approximate one-way travel time</th>
<th>Frequency in minutes</th>
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<tbody>
<tr>
<td>3</td>
<td>Courtyard Riverwalk Hotel</td>
<td>At Holiday Inn San Antonio Riverwalk</td>
<td>13-18 MINUTES</td>
<td>10-15 PEAK 15-20 NON PEAK</td>
</tr>
<tr>
<td></td>
<td>Drury Inn and Suites Riverwalk</td>
<td>At Holiday Inn San Antonio Riverwalk</td>
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<tr>
<td></td>
<td>Drury Plaza Hotel Riverwalk</td>
<td>Curbside on St. Mary’s St.</td>
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<tr>
<td></td>
<td>Embassy Suites Riverwalk*</td>
<td>Curbside on Soledad St.</td>
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<tr>
<td></td>
<td>Holiday Inn San Antonio Riverwalk</td>
<td>Curbside in front, on St. Mary’s St.</td>
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<tr>
<td></td>
<td>Mokana Hotel and Spa</td>
<td>At Holiday Inn San Antonio Riverwalk</td>
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<td></td>
<td>Omni La Mansion del Rio</td>
<td>At Holiday Inn San Antonio Riverwalk</td>
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<tr>
<td></td>
<td>Wyndham San Antonio Riverwalk</td>
<td>Curbside on Soledad St.</td>
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<thead>
<tr>
<th>Route</th>
<th>Hotel</th>
<th>Boarding location at hotel</th>
<th>Approximate one-way travel time</th>
<th>Frequency in minutes</th>
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<tbody>
<tr>
<td>4</td>
<td>Hotel Contessa (Luxury Suites on the Riverwalk)</td>
<td>At Westin Riverwalk</td>
<td>7-11 MINUTES</td>
<td>10-15 PEAK 15-20 NON PEAK</td>
</tr>
<tr>
<td></td>
<td>SpringHill Suites by Marriott Downtown</td>
<td>Curbside on St. Mary’s St.</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>Westin Riverwalk, The</td>
<td>Curbside in front, on Market St.</td>
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### WALK
<table>
<thead>
<tr>
<th>Hotel</th>
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<tbody>
<tr>
<td>Grand Hyatt San Antonio</td>
</tr>
<tr>
<td>Hilton Palacio del Rio</td>
</tr>
<tr>
<td>La Quinta Inn and Suites San Antonio Riverwalk/Convention Center</td>
</tr>
<tr>
<td>Marriott Plaza San Antonio</td>
</tr>
<tr>
<td>Marriott Rivercenter, San Antonio*</td>
</tr>
<tr>
<td>Marriott Riverwalk, San Antonio*</td>
</tr>
</tbody>
</table>

*ASRT designated hotel. ASRT attendees staying at non-walk hotels should plan to ride the shuttle to the convention center and walk to the Marriott Rivercenter to attend the ASRT Radiation Therapy Conference.

Funded in part by Elekta and Varian.
SAN ANTONIO TRAVEL INFORMATION
Attendees can stop by two of the San Antonio Travel Information areas to receive restaurant recommendations, San Antonio visitor guides, maps, destination information and local directions.

Guest Relations Desk
Outside of Hall A – Street Level

The Guest Relations Desk is located outside of Hall A on the Street Level. Guest Relations provides directions, general assistance for the convention center and overall San Antonio information.

**Hours of Operation:**
- Sunday, October 18: 9:00 a.m. - 5:00 p.m.
- Monday, October 19: 9:00 a.m. - 5:00 p.m.
- Tuesday, October 20: 9:00 a.m. - 5:00 p.m.

Visitor Information Center
Between Lila Cockrell Theatre and Business Center/UPS Store – Street Level

The Visitor Information Center can be found between the Lila Cockrell Theatre and the Business Center/UPS Store on the Street Level. The Visitor Information Center has restaurant, attraction and discounted information, as well as computers available for printing boarding passes.

**Hours of Operation:**
- Sunday, October 18: 9:00 a.m. - 5:00 p.m.
- Monday, October 19: 9:00 a.m. - 5:00 p.m.
- Tuesday, October 20: 9:00 a.m. - 5:00 p.m.

SMOKING
The Henry B. González Convention Center is a non-smoking facility.

SPEAKER READY ROOM
Room 207 A/B – Concourse Level

Faculty members and abstract presenters should upload their PowerPoint presentation in advance of their session in order to have it pre-loaded onto the ASTRO conference network. To ensure presentations have been properly uploaded, faculty members and abstract presenters are asked to check in at the Speaker Ready Room to review the information and make any last-minute edits.

Speakers should plan to save their presentation on a portable device and bring it to the Speaker Ready Room at least 24 hours in advance of their presentation, or upon arrival at the Henry B. González Convention Center.

**Hours of Operation:**
- Saturday, October 17: 6:45 a.m. - 6:00 p.m.
- Sunday, October 18: 6:45 a.m. - 6:15 p.m.
- Monday, October 19: 6:45 a.m. - 5:45 p.m.
- Tuesday, October 20: 6:45 a.m. - 6:15 p.m.
- Wednesday, October 21: 6:45 a.m. - 4:30 p.m.

SURVIVOR CIRCLE
Park View Registration - Concourse Level

In 2003, ASTRO created the Survivor Circle as a way to honor cancer survivors. Each year, ASTRO awards two grants to patient support organizations located in the state hosting the Annual Meeting. Grants are made possible through generous donations from exhibitors. This year ASTRO is proud to recognize Dan’s House of Hope, Houston, and ThriveWell Cancer Foundation, San Antonio, for their work with cancer patients and their families. Please stop by to learn more about this year’s Survivor Circle Grant recipients.

TRANSPORTATION

San Antonio offers a number of convenient transportation options to help attendees easily get around the city. For more information on transportation services, visit www.visitsanantonio.com/2015ASTRO.

Transportation to and from the Airport
The San Antonio International Airport is approximately 8.5 miles from the downtown business district with a travel time of approximately 15 minutes by car.

Taxi Service
Approximate fares from the airport to the downtown business district, based on traffic and not including tip, range from $25-$29. Taxi cabs are available at the airport on the lower level curbside, outside of baggage claim at Terminals A and B.
Airport Shuttle Service
Shuttle service from the airport to the downtown area is $19 one-way or $34 round-trip. Shuttle service kiosks are located in both terminals near baggage claim. You may also reserve shuttle service in advance and receive a discount at www.goairportshuttle.com.

GETTING AROUND SAN ANTONIO

The E – Free Downtown Bus Circulator
This FREE downtown bus circulator provides frequent service from many of downtown’s best restaurants and hotels to entertainment venues and the convention center. The E operates Tuesday-Saturday, 6:00 p.m. to midnight and runs every 10 minutes. Passengers can board at any VIA stop with the E logo. For a route map and stop locations, visit www.viainfo.net/BusService/EMain.aspx.

Streetcar
If you’re in town for a few days and want to take advantage of the Streetcar, your best deal is to buy a One Day Pass for $4. Order your pass online at www.viainfo.net/BusService/Downtown.aspx or stop by the Visitor Information Center located across from the Alamo, 317 Alamo Plaza, to purchase your pass. All three streetcar routes connect you to the convention center.

River Taxi
The River Taxi stops at 39 locations on the River Walk. Purchase a one-way pass for $5, 24-hour pass for $10 or a 3-day pass for $25. Look for the river cruiser with the black and yellow checkered flag or black and red checkered flag (prices vary).

Sightseer Special Bus
The Sightseer Special (Bus 7) runs daily between the city’s favorite sites. You can travel to them all for one price. Locations visited by the Sightseer Special include: River Walk Streetcar Station, Henry B. González Convention Center, Alamo, San Antonio Museum of Art, Japanese Tea Garden, Brackenridge Park, San Antonio Zoo, Trinity University, University of Incarnate Word, Witte Museum and San Antonio Botanical Garden.

Taxi
For travel within the downtown area, there is a minimum charge of $5. Two to six people ride for the price of one.

VIRTUAL MEETING
Extend your learning experience with access to the 2015 ASTRO sessions long after the meeting is over. All full-conference attendees receive the Virtual Meeting with their registration at no additional cost. You will receive streaming content that has been digitally recorded live and published as audio synchronized to the speaker presentations.* Within two weeks after the meeting, full conference attendees will receive an email with a link providing access to the Virtual Meeting.

*Presentations are included in the Virtual Meeting as approved per faculty.

WIRELESS INTERNET ACCESS
Complimentary wireless Internet access is provided in all common areas and session rooms throughout the Henry B. González Convention Center. Designated Wi-Fi hot spots will be located in the Hall B and Hall D concession seating areas in the Exhibit Hall. Attendees can bring their laptop to check email, complete the evaluation or surf the Internet. Laptops must have a Wi-Fi card to connect.

2015 ANNUAL MEETING UNRESTRICTED EDUCATIONAL GRANT SUPPORTERS

ASTELLAS
ASTRAZENECA
GENOMIC HEALTH
LILLY
MERCK
PFIZER

As of September 14, 2015
Floor Plans
River Level
Floor Plans
Ballroom Level
Gain insight into the top science from the 2015 ASTRO Annual Meeting!

This compact yet comprehensive meeting presents scientific highlights from this year’s Annual Meeting and summarizes the top-ranked, most influential abstracts. Expert faculty will lead discussions and provide insight.

“Best of ASTRO provides an excellent review of the highlights of the ASTRO Annual Meeting pertaining to individual disease sites, as well as physics and biology.”

– Indrin J. Chetty, PhD, 2014 Best of ASTRO attendee

www.astro.org/bestofastro

This live activity has been approved for AMA PRA Category 1 Credit™.
Attend these ASTRO meetings in 2016

MULTIDISCIPLINARY HEAD AND NECK CANCER SYMPOSIUM
February 18-20, 2016
JW Marriott Camelback Inn Resort and Spa
Scottsdale, Arizona

ASTRO ANNUAL REFRESHER COURSE
March 11-13, 2016
Hilton La Jolla Torrey Pines
La Jolla, California

13TH ANNUAL ADVOCACY DAY
May 22-24, 2016
Washington Marriott at Metro Center
Washington

PRECISION MEDICINE WORKSHOP
June 16-17, 2016
NIH Campus
Bethesda, Maryland

ASTRO 58TH ANNUAL MEETING
ENHANCING VALUE, IMPROVING OUTCOMES
September 25-28, 2016
Boston Convention and Exhibition Center
Boston

BEST OF ASTRO
November 11-12, 2016
Ritz-Carlton Fort Lauderdale
Fort Lauderdale, Florida

For more information and updates visit www.astro.org.
SCHEDULE OF EVENTS
BOOST YOUR LINAC

FOCUS ON SOFTWARE. The development of linear accelerators has historically led to significant improvements in radiation therapy but they are now becoming a commodity. There are many reasons to believe that a stronger focus on software will help clinics achieve greater efficiency and improved patient care.

Did you for example know that by using more intelligent software optimization, you can decrease delivery time with no sacrifice in treatment plan quality without upgrading or replacing your current linacs? That calculation speed is key to the quality of your plans? And that you can, already today, implement adaptive therapy for your patients?

Check out concrete clinical examples of how RayStation is driving innovation in radiation therapy at www.raysearchlabs.com/RayStation/Software and make sure to get a demo at booth #467 at ASTRO.
ASTRO/ABS Prostate Brachytherapy Simulation Workshop

Saturday, October 17, 2015
8:00 a.m. - 6:00 p.m.
Room: Ballroom B

This first-ever simulation workshop held at the ASTRO Annual Meeting will cover the basic principles of LDR brachytherapy physics, treatment planning and outcomes. This is a ticketed event and you must be pre-registered to attend. The workshop is open to ABS/ASTRO members only.

Program Chairs
Mira Keyes, MD, British Columbia Cancer Agency
Firas Mourtada, PhD, Helen F. Graham Cancer Center

Faculty
The following distinguished faculty will present and provide hands-on direction for the workshop:
Juanita Crook, MD, University of British Columbia
Mira Keyes, MD, British Columbia Cancer Agency
Firas Mourtada, PhD, Helen F. Graham Cancer Center
Richard Stock, MD, Eastside Radiation Oncology
Allison Powers, Mount Sinai School of Medicine
Steven Frank, MD, MD Anderson Cancer Center
Bradley Prestidge, MD, MS, Bon Secours Health System

<table>
<thead>
<tr>
<th>SCHEDULE OF EVENTS</th>
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<tr>
<td>7:45 a.m. - 8:00 a.m.</td>
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<td>10:30 a.m. - 4:00 p.m.</td>
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**Group 1**

| 10:30 a.m. - 12:00 a.m. | US Volume Study, Contouring and Plan Selection |
| 12:00 p.m. - 1:00 p.m.  | Lunch                                           |
| 1:00 p.m. - 2:30 p.m.   | CT/MR Contouring and Dosimetry                  |
| 2:30 p.m. - 4:00 p.m.   | Implant the Phantom Workshop                    |

**Group 2**

| 10:30 a.m. - 12:00 p.m. | Implant the Phantom Workshop                    |
| 12:00 p.m. - 1:00 p.m.  | Lunch                                           |
| 1:00 p.m. - 2:30 p.m.   | US Volume Study, Contouring and Plan Selection  |
| 2:30 p.m. - 4:00 p.m.   | CT/MR Contouring and Dosimetry                  |
| 4:00 p.m. - 4:30 p.m.   | Break                                           |
| 4:30 p.m. - 5:00 p.m.   | Outcomes and Principles of Quality Assurance in PB|
| 5:00 p.m. - 6:00 p.m.   | Post-Test                                       |

ASTRO gratefully acknowledges the in-kind support of durable equipment from the following companies: BK Ultrasound, CIVCO Medical Solutions, Hitachi Aloka Medical, Oncura, a GE Healthcare Company, Theragenics Corporation and Varian Medical Systems.
eContouring Learning Lab
Room: 214 A/B

These hands-on sessions are designed to provide crucial contouring education and experience. Attendees will have an opportunity to learn about and discuss issues such as imaging, target delineation, quality assurance and accuracy. Each attendee receives access to the online cases for practice and reference.

These sessions can also be used as the basis of a Practice Quality Improvement (PQI) project to meet your MOC Part 4 requirements.

After this session, attendees should be able to:
• Identify basic anatomy in the cases presented.
• Evaluate normal tissue dose constraints versus target dose constraints.
• Demonstrate improvement in contouring skills in the cases presented between pre- and post-activity.
• Self-assess where additional contouring skills training may be needed.
• Apply newly acquired contouring skills to his/her own practice.

Sarah Hoffe, MD, Program Chair
Steven Finkelstein, Program Vice-chair

Saturday, October 17, 2015
8:30 a.m. - 10:00 a.m.
eContouring for Lung Cancer with SBRT
Billy Loo, MD, PhD, Stanford University
Thomas Dilling, MD, Moffitt Cancer Center

11:00 a.m. - 12:30 p.m.
eContouring for GI Cancer
Karyn Goodman, MD, Memorial Sloan Kettering Cancer Center
Corinne Winston, MD, Memorial Sloan Kettering Cancer Center

1:30 p.m. - 3:00 p.m.
eContouring for Lymphoma
Stephanie Terezakis, MD, Johns Hopkins University
Joachim Yahalom, MD, Memorial Sloan Kettering Cancer Center
Jonathan Yang, MD, Memorial Sloan Kettering Cancer Center

4:00 p.m. - 5:30 p.m.
eContouring for Breast Cancer
Frank Vicini, MD, 21st Century Oncology
Julia White, MD, Ohio State University

Sunday, October 18, 2015
8:00 a.m. - 9:30 a.m.
eContouring for Gynecologic Cancer
Beth Erickson, MD, FASTRO, Medical College of Wisconsin
Catheryn Yashar, MD, University of California, San Diego

10:30 a.m. - 12:00 p.m.
eContouring for Head and Neck – Intermediate
Avraham Eisbruch, MD, University of Michigan Health Systems
Matthew Stenmark, MD, University of Michigan Health Systems
Suresh Mukherji, MD, University of Michigan Health Systems

1:15 p.m. - 2:45 p.m.
eContouring for Head and Neck – Advanced
Avraham Eisbruch, MD, University of Michigan Health Systems
Matthew Stenmark, MD, University of Michigan Health Systems
Suresh Mukherji, MD, University of Michigan Health Systems

4:45 p.m. - 6:15 p.m.
eContouring for Prostate Cancer
Michael Zelefsky, MD, Memorial Sloan Kettering Cancer Center
Steven Finkelstein, MD, 21st Century Oncology
Live SA-CME Sessions

Special sessions have been designated as Live Self-Assessment CME (SA-CME) Sessions to help physician and physicist attendees meet the requirements of the American Board of Radiology’s Maintenance of Certification (MOC) program. Attendance at the Live SA-CME Sessions is open to all attendees, but only Live SA-CME ticket holders are eligible to earn SA-CME credit. On-site registration is available at the registration desk if seats are still available (a $50 registration fee for each ticketed SA-CME Session is required).

Participation Guidelines
1. Arrive at the designated Live SA-CME Session room 15 minutes prior to the scheduled start of the session and join the queue for Live SA-CME Session ticket holders.
2. ASTRO staff will then collect your ticket for the session and in exchange will give you a two-sided sheet of paper. The first side has detailed directions for both the personal mobile device (e.g., smartphone, tablet or laptop) and paper options (both methods have the same set of questions). The second side is printed with the assessment and evaluation questions for those who wish to take the paper version.
3. To earn credit for your participation, you must earn a minimum score of 80 percent on the assessment questions and complete two of the evaluation questions. If these minimum requirements are NOT met, no credits will be granted and no refunds, exchanges or transfers will be given.
4. No matter the participation method, you will receive your results via email approximately 60 days post-meeting. An email will be sent with your individual score and directions on how to print your certificate of completion from the ASTRO website. Your SA-CME credits will be uploaded into your “My MOC Transcript” page on the ASTRO website and, if you choose, you can have your credits automatically transferred to the ABR through the credit gateway.

Live SA-CME Session Policies
• If Live SA-CME Session ticket holders are not in the room 15 minutes before the scheduled start time, their seats may be given away to other attendees.
• Registrants interested in using the mobile device option will need to bring their own mobile device and are responsible for ensuring that it is charged and can connect to the Internet via Wi-Fi or a cellular network connection.
• No refunds, extensions or substitutions will be made for those registrants who, for any reason, were unable to attend or were tardy for the session. Attendees who are more than five minutes late to the session will not be able to participate in the Live SA-CME component.

ASTRO and ABR staff are available at CE Central, located on the Concourse Level at Park View Registration, to answer any questions about Live SA-CME Sessions, SA-CME requirements or MOC.
Live SA-CME Session Schedule

Sunday, October 18, 2015
1:15 p.m. - 2:45 p.m.
Educational Session 03: Integrating Advances in MRI and Nuclear Medicine Imaging into the Management of Prostate Cancer: Pitfalls and Value
Room: 103 A/B

4:45 p.m. - 6:15 p.m.
Educational Session 07: Pediatric Brain Tumors
Room: 103 A/B

Monday, October 19, 2015
7:45 a.m. - 9:00 a.m.
Educational Session 11: Primary and Secondary Cancers of the Liver: Overview and Current Management
Room: 103 A/B

10:45 a.m. - 12:15 p.m.
Educational Session 14: Locoregional Radiation Therapy After Mastectomy
Room: 103 A/B

4:15 p.m. - 5:45 p.m.
Special Session I: Maintenance of Certification Becomes Simpler: New Initiatives from the ABR
Room: 103 A/B

Tuesday, October 20, 2015
7:45 a.m. - 9:00 a.m.
Educational Session 26: Clinical Applications of Hypofractionation and Underlying Radiobiology
Room: Ballroom A

1:00 p.m. - 2:30 p.m.
Educational Session 31: Doses, Modeling and Outcomes of Hypofractionated Treatments: Results of the WGSBRT
Room: Ballroom A

4:45 p.m. - 6:15 p.m.
Panel 15: Practice Changing Trials in Lymphoma: Implications for Standards of Care in Radiation Oncology
Room: Ballroom A

Wednesday, October 21, 2015
7:45 a.m. - 9:00 a.m.
Educational Session 44: Re-irradiation for Recurrent Head and Neck Cancer: Who, Why, How and How Much?
Room: 103 A/B

1:15 p.m. - 2:45 p.m.
Educational Session 47: Cervical Cancer: Management and Recent Advances
Room: 103 A/B
Presidential Symposium
Multidisciplinary Management of Esophageal and Rectal Cancers
October 18, 2015
7:45 a.m. - 12:15 p.m. Room: Grand Ballroom C

7:45 a.m. - 8:00 a.m.  Welcome – Chul S. Ha, MD

8:00 a.m. - 8:05 a.m.  Presidential Symposium – Introduction
Speaker: Bruce Minsky, MD, FASTRO

8:05 a.m. - 9:35 a.m.  Presidential Symposium – Session I:
GI Cancer – Imaging, Staging, Genomics, Data Mining Approaches
Moderators: Leonard L. Gunderson, MD, MS, FASTRO
Joel Tepper, MD, FASTRO

PET/CT Imaging - UGI and LGI Cancers - Robert C. Murphy, MD, PhD
Endoscopic Approaches for Staging and Resection - Charles Lightdale, MD
Genomics - Esophagus/Gastric/Rectal - Adam Bass, MD
GI Cancer - Data Mining Approaches - Vincenzo Valentini, MD

Discussion/Q and A

9:35 a.m. - 9:50 a.m.  Break

9:50 a.m. - 11:02 a.m.  Presidential Symposium – Session II: Esophagus/EG Junction Cancer
Moderators: Leonard L. Gunderson, MD, MS, FASTRO
Joel Tepper, MD, FASTRO

Chemoradiation - Preoperative vs Primary/Definitive - Karyn A. Goodman, MD
Surgery - Planned vs. Salvage Treatment - Stephen G. Swisher, MD
Chemotherapy - Peri-op, Pre-op or Post-op - Steven R. Alberts, MD

Discussion/Q and A

11:02 a.m. - 12:15 p.m.  Presidential Symposium – Session III: Colorectal Cancer
Moderators: Leonard L. Gunderson, MD, MS, FASTRO
Joel Tepper, MD, FASTRO

Chemoradiation - Pre-op vs. Post-op vs. Primary/Definitive - Claus Rödel, MD
Surgery - Unresectable/Recurrent Rectal Cancer - José G. Guillem, MD
Chemotherapy - Neoadjuvant vs. Adjuvant; Systemic - Richard M. Goldberg, MD

Discussion/Q and A
Keynote Speakers

Monday, October 19, 2015
9:15 a.m. - 10:15 a.m.
Keynote Address I – The Application of Integrative Sequencing for Precision Oncology
Room: Grand Ballroom C
Arul Chinnaiyan, MD, PhD, S.P. Hicks Endowed Professor of Pathology and Urology, University of Michigan
Introduced by: Paul Harari, MD, FASTRO, University of Wisconsin School of Medicine and Public Health

Arul M. Chinnaiyan, MD, PhD, is the S.P. Hicks Endowed Professor of Pathology and Director of the Michigan Center for Translational Pathology. He is also a Professor of Urology and Investigator at the Howard Hughes Medical Institute. Dr. Chinnaiyan’s address will highlight his research in the area of functional genomic and bioinformatics approaches to studying cancer for the purposes of understanding cancer biology as well as to discover clinical biomarkers. His group has characterized a number of important biomarkers of prostate cancer. His landmark study thus far is the discovery of TMPRSS2-ETS gene fusions in prostate cancer. This finding potentially redefines the molecular basis of prostate cancer as well as other common epithelial cancers.

Tuesday, October 20, 2015
9:15 a.m. - 10:15 a.m.
Keynote Address II – My Journey in Becoming a Transplant Surgeon and Chancellor of the University of Texas System “Never Leaving the Patient’s Bedside”
Room: Grand Ballroom C
Francisco G. Cigarroa, MD, Past President and Chancellor, University of Texas
Introduced by: Bruce D. Minsky, MD, FASTRO, MD Anderson Cancer Center, Houston

Francisco G. Cigarroa, MD, will speak on the theme of the Annual Meeting, “Technology Meets Patient Care,” reminding us of the importance of maintaining our clinical acumen. Being involved in administration as the past Chancellor of the University of Texas while still practicing as a pediatric surgeon, Dr. Cigarroa has a unique perspective on this important topic.

Wednesday, October 21, 2015
9:15 a.m. - 10:00 a.m.
Keynote Address III – Addressing Behaviors that Undermine a Culture of Safety and Reliability
Room: Grand Ballroom C
Gerald Hickson, MD, Senior Vice-president and Assistant Vice-chancellor, Vanderbilt University Medical Center
 Introduced by: Lawrence B. Marks, MD, FASTRO, University of North Carolina

Gerald B. Hickson, MD, currently serves as Senior Vice President for Quality, Safety and Risk Prevention, Assistant Vice Chancellor for Health Affairs and Joseph C. Ross Chair in Medical Education and Administration, at Vanderbilt University Medical Center. Dr. Hickson will speak on the topic of safety and quality and share his twenty year journey to making medicine kinder, safer and more reliable. He will discuss his work on PARS (Patient Advocacy Reporting System) and the importance of having a plan in place to address individual or group behaviors that undermine processes, data systems and best attempts of creating a safe environment for health care providers and patients.
Meeting Highlights

Monday, October 19
1:30 p.m. - 2:15 p.m.
Presidential Address - Technology Meets Patient Care: We are Doctors First
Room: Grand Ballroom C
Bruce D. Minsky, MD, FASTRO, ASTRO President
Introduced by: Zvi Fuks, MD, FASTRO, Memorial Sloan Kettering Cancer Center

Join us for the Presidential Address where ASTRO President Bruce D. Minsky, MD, FASTRO, will discuss the importance of remembering we are always doctors first. The captivating presentation will expand on the meeting theme and provide a clear vision of how we, as radiation oncologists, can embrace technology while remaining great clinicians.

Monday, October 19
3:25 p.m. - 3:45 p.m.
ASTRO Clinical Practice Statements Highlight Session - Rectal Cancer
Appropriate Customization of Radiation Therapy for Stage II and III Rectal Cancer: An ASTRO Clinical Practice Statement Using the RAND/UCLA Appropriateness Method
Room: Grand Ballroom C
Karyn Goodman, MD, MS, Memorial Sloan Kettering Cancer Center

Wednesday, October 21
10:00 a.m. - 10:30 a.m.
ASTRO Guidelines Highlight Session - Glioblastoma
Radiation Therapy for Glioblastoma: An ASTRO Evidence-based Guideline
Room: Grand Ballroom C
Alvin Cabrera, MD, Duke University
Stephen Thomas Lutz, MD, FASTRO, Eastern Woods Radiation Oncology

Great speaker?
Tweet #ASTRO15
Science Highlights

Sunday, October 18
1:15 p.m. - 2:45 p.m.
Scientific Session A - Physics I - Cutting-edge Physics Technology: Radiomics
Room: Lila Cockrell Theatre
Moderators:
Hania Al-Hallaq, PhD, University of Chicago
Radka Stoyanova, PhD, University of Miami

Sunday, October 18
3:15 p.m. - 4:45 p.m.
Clinical Trials and Innovation in Radiation Oncology
Room: Grand Ballroom C
Moderators:
Benjamin Movsas, MD, FASTRO, Henry Ford Health System
Lisa A. Kachnic, MD, FASTRO, Vanderbilt University Medical Center

Monday, October 19
10:45 a.m. - 12:15 p.m.
Scientific Session L - Best of Physics
Room: Lila Cockrell Theatre
Moderators:
Indrin J. Chetty, PhD, Henry Ford Health System
Harald Paganetti, PhD, Massachusetts General Hospital

Monday, October 19
2:15 p.m. - 3:25 p.m.
Plenary Session
Room: Grand Ballroom C
Moderators:
Benjamin Movsas, MD, FASTRO, Henry Ford Health System
Lisa A. Kachnic, MD, FASTRO, Vanderbilt University Medical Center

Wednesday, October 21
7:45 a.m. - 9:00 a.m.
SSUU – Late-breaking Abstracts
Room: 214 C/D

This NEW SESSION will highlight abstracts submitted during the late-breaking abstract submission phase that were not eligible for Plenary or Clinical Trials but were considered important for the field of radiation oncology.
ARRO Program

Saturday, October 17, 2015
10:00 a.m. - 5:00 p.m.
ARRO Annual Seminar*
Room: 006
This event is ticketed and requires pre-registration to attend. Box lunch is provided.
*This session is not accredited for continuing medical education credits.

6:30 p.m. - 8:30 p.m.
ARRO Reception
LDR (Lonesome Dove)
Henry B. González Convention Center
The ARRO Reception will be held at LDR, located on the West Bank of the River Level of the Convention Center, adjacent to rooms 006-008. Join us at this fun, western-themed event to network with your fellow residents.

Sunday, October 18
12:15 p.m. - 1:15 p.m.
ARRO Annual Luncheon
Room: 217 A/B
Guest Speaker: Bruce G. Haffty, MD, FASTRO, Chair, ASTRO Board of Directors
This event is ticketed and requires preregistration to attend.

Monday, October 19
7:30 a.m. - 9:00 a.m.
ARRO Meet the Professor Breakfast
Room: 214 A/B
This event is ticketed and requires preregistration.

Monday, October 19
12:30 p.m. - 1:30 p.m.
ARRO Poster Walk with a Professor
Room: Poster Hall A, Poster Lounge
This event is ticketed and requires preregistration. Box lunch is provided.

5:45 p.m. - 6:45 p.m.
ARRO Meet and Greet – Residents and Medical Students
Room: Poster Hall A
Please join us in the Poster Hall during the Poster Session and Reception to meet and greet the medical students in attendance. This is a great opportunity to meet medical students and offer your help and guidance navigating the ASTRO Annual Meeting.
This year’s program combines a variety of timely topics for residents at all stages of training. Using the audience interactive system, presentations are intended to facilitate interaction among participants from different communities.

This session is not accredited for continuing medical education credits.

**SCHEDULE OF EVENTS**

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<tr>
<td>10:00 a.m. - 10:15 a.m.</td>
<td><strong>Opening Remarks by the ARRO Executive Committee</strong>&lt;br&gt;<strong>Welcome and Reminders</strong>&lt;br&gt;Nima Nabavizadeh, MD, Oregon Health and Science University&lt;br&gt;<strong>Program Review</strong>&lt;br&gt;Leah M. Katz, MD, New York University</td>
</tr>
<tr>
<td>10:15 a.m. - 10:30 a.m.</td>
<td><strong>Global Health Scholar Presentations</strong>&lt;br&gt;Craig Baden, MD, University of Alabama, Birmingham – Lusaka, Zambia&lt;br&gt;Joel Brown, MD, University of Arizona – Gaborone, Botswana</td>
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<td>10:30 a.m. - 11:00 a.m.</td>
<td><strong>Financial Series – Economics I Wish I Knew as a Resident</strong>&lt;br&gt;Tim R. Williams, MD, FASTRO, Lynn Cancer Center</td>
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<td>11:00 a.m. - 11:10 a.m.</td>
<td>Break</td>
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<td>11:10 a.m. - 12:00 p.m.</td>
<td><strong>Keynote Address: “Adventures in Radiation Oncology – 48 Years and Still Learning”</strong>&lt;br&gt;Eli J. Glatstein, MD, FASTRO, University of Pennsylvania</td>
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<tr>
<td>12:00 p.m. - 1:00 p.m.</td>
<td>Lunch/ARRO Sub-committee Overviews</td>
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<td>1:00 p.m. - 2:15 p.m.</td>
<td><strong>Applying for Jobs: A Panel Discussion</strong>&lt;br&gt;<strong>Moderator:</strong> Lisa A. Kachnic, MD, FASTRO, Vanderbilt University Medical Center&lt;br&gt;<strong>Panelists:</strong> Shripal K. Bhavsar, MD, MBA, Radiation Medicine Associates&lt;br&gt;Sravana Chennupati, MD, Sutter Health&lt;br&gt;Lisa A. McGee, MD, Radiation Oncology Consultants Ltd.&lt;br&gt;Alexander Spektor, MD, PhD, Harvard University&lt;br&gt;Gita Suneja, MD, MS, University of Utah</td>
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<td>2:15 p.m. - 2:30 p.m.</td>
<td>Break</td>
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<td>2:30 p.m. - 3:30 p.m.</td>
<td><strong>Educational Session – IGRT Practicalities</strong>&lt;br&gt;Laura A. Dawson, MD, Princess Margaret Hospital&lt;br&gt;David A. Jaffray, PhD, Princess Margaret Hospital</td>
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<td>3:30 p.m. - 4:00 p.m.</td>
<td><strong>Resident Wellness</strong>&lt;br&gt;Anthony D’Amico, MD, FASTRO, Brigham and Women’s Hospital</td>
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<td>4:00 p.m. - 5:00 p.m.</td>
<td><strong>Practice Entry Survey Results</strong>&lt;br&gt;Terry Wall, MD, JD, FASTRO, St. Luke’s Cancer Institute</td>
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Young Physicians’ Workshop

Tuesday, October 20
1:00 p.m. - 4:15 p.m.
Room: 004

This two-part workshop will address several key issues facing early career physicians and will provide an open forum for discussion among peers. The educational focus is targeted toward young physicians with less than 10 years in practice. Distinguished faculty will share their experiences and insights on several exciting topics.

1:00 p.m. - 2:30 p.m.
Young Physicians Workshop – Part 1 – ASTRO, MOC and Challenging Scenarios

Moderators:
Eric D. Donnelly, MD, Northwestern University
Feinberg School of Medicine
Sudha Amarnath, MD, Cleveland Clinic

Welcome and Introductions
Eric D. Donnelly, MD, Northwestern University
Feinberg School of Medicine
Sudha Amarnath, MD, Cleveland Clinic

How to Get Involved With Your Specialty and ASTRO
Shilpen Patel, MD, University of Washington

Understanding MOC: What the ABR Wants From You
Paul Wallner, DO, FASTRO, American Board of Radiology

Challenging Scenarios for Junior Faculty: Case Presentations
Moderators:
Eric D. Donnelly, MD, Northwestern University
Feinberg School of Medicine
Sudha Amarnath, MD, Cleveland Clinic

Panelists:
Grant Hunter, MD, Intermountain Healthcare
Reshma Jagsi, MD, University of Michigan
Charles R. Thomas Jr, MD, Oregon Health and Science University
Tim R. Williams, MD, FASTRO, Lynn Cancer Institute

2:45 p.m. - 4:15 p.m.
Young Physicians Workshop – Part 2 – Economics, Resources and Legal

Moderators:
Eric D. Donnelly, MD, Northwestern University
Feinberg School of Medicine
Sudha Amarnath, MD, Cleveland Clinic

Welcome and Introductions
Eric D. Donnelly, MD, Northwestern University
Feinberg School of Medicine
Sudha Amarnath, MD, Cleveland Clinic

Economics 101 – How are Radiation Oncologists Compensated
Najeeb Mohideen, MD, FASTRO, Northwest Community Hospital

Quality and Up-to-Date Resources Available and Tools to Keep You Abreast of New Developments
Patty Hardenberg, MD, Shaw Regional Cancer Center

Negotiating a Contract When You are Established in the Field
Terry Wall, MD, JD, FASTRO, St. Luke’s Cancer Institute
The 2015 Annual Meeting Nurses’ Program is comprised of 12 sessions and a luncheon designed to address the educational needs of radiation oncology nurses. The Nurses’ Luncheon is open to all Annual Meeting nurse registrants, but the option must have been added at the time of registration; therefore, you must have a ticket to attend.

To receive continuing education credits for attending the sessions below, please be sure to complete the evaluation link that was sent to you at the email address you provided when registering for the meeting.

Saturday, October 17, 2015

8:30 a.m. - 9:30 a.m.
*Moving Nursing Radiation Forward – Evidence Based Practice and Quality Improvement*
Room: 008 A/B
Deborah Feight, MSN, RN, Toledo Radiation Oncology

9:30 a.m. - 10:30 a.m.
*HPV in Oropharynx Cancers and Prophylaxis Dental Care*
Room: 008 A/B
Gloria Wood, BSN, RN, Moffitt Cancer Center
Jennifer Cerar, RN, BSN, OCN, University of South Florida

10:45 a.m. - 11:45 a.m.
*Treating a Culturally Diverse Patient Population*
Room: 008 A/B
Leah Gordon, MSN, RN, APRN, Massachusetts General Hospital

11:45 a.m. - 1:00 p.m.
*Welcome Luncheon*
Room: 007 C/D
Michelle Wallace, OCN, BSN, RN, William Beaumont Hospital

Funded in part by ProTechSure Scientific.

3:00 p.m. - 4:30 p.m.
*Managing Prostate Cancer Survivors – Late Effects and Ongoing Risks*
Room: 008 A/B
Moderator: Bridget Koontz, MD, Duke University Medical Center
Daniela Wittman, University of Michigan
Philip Saylor, MD, Dana-Farber Cancer Institute
Drew Peterson, MD, Duke University Medical Center

4:30 p.m. - 6:00 p.m.
*Palliative Care Panel*
Room: 008 A/B
Dan Gorman, NP-C, OCN, Dana-Farber Cancer Institute
Joshua Jones, MD, University of Pennsylvania

Sunday, October 18, 2015

8:30 a.m. - 10:00 a.m.
*Care of Patients Receiving Chemoradiation*
Room: 008 A/B
Lorraine Drapek, MSN, NP, Massachusetts General Hospital
Theodore Hong, MD, Massachusetts General Hospital

10:15 a.m. - 11:15 a.m.
*Brachytherapy*
Room: 008 A/B
Jewell Hudson, RN, Emory University
Chris Flynn, BSN, William Beaumont Hospital

11:15 a.m. - 12:15 p.m.
*Integrative Therapies Used By Pediatric Radiation Oncology Patients*
Room: 008 A/B
Nikki Guinther, MS, RN, CRNP, The Ohio State University
1:15 p.m. - 2:45 p.m.
**Geriatric Approach in the Care of Elders Receiving Radiation Treatment: Implications for Practice, Education and Research**  
Room: 008 A/B  
Lynn Leandro, MSN, GNP-BC/AOCNP, Emory University  
Diane Cope, PhD, ARNP, Florida Cancer Specialists and Research Institute

3:15 p.m. - 4:45 p.m.
**Acute and Late Effects of Chemoradiation in Lung Cancer**  
Room: 008 A/B  
Craig Stevens, MD, William Beaumont Health Systems  
Ann Mustonen, RN, NP-C, OCN, William Beaumont Health Systems

4:45 p.m. - 6:15 p.m.
**Survivorship Panel**  
Room: 008 A/B  
Jennifer Wo, MD, Massachusetts General Hospital  
Jennifer Maggiore, LCSW, OSW-C, Ackerman Cancer Center  
Heather Lowry, NP, William Beaumont Health Systems

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Great speaker?
Tweet  
#ASTRO15
A series of sessions have been identified throughout the Annual Meeting Program as pertinent to our international attendees. The International Attendee Welcome Breakfast is open to all international attendees, and you must have an international attendee badge holder (black) to be admitted.

**Saturday, October 17**

3:00 p.m. - 6:00 p.m.  
*Spanish Language Refresher Course*  
Room: 004  
Moderator:  
Beatriz E. Amendola, MD, FASTRO, Innovative Cancer Institute  
Speakers:  
Curtis Trent Miyamoto, MD, Temple University Hospital  
Beatriz E. Amendola, MD, FASTRO, Innovative Cancer Institute  
Adela Poitevin, MD, Medica Sur  
Jose Lopez Torrecilla, MD, PhD, Hospital General Valencia  
Phillip M. Devlin, MD, FASTRO, Brigham and Women's Hospital  
Roberto Diaz, MD, PhD, MS, H. Lee Moffitt Cancer Center and Research Institute  
Enrique Hernandez, MD, Temple University Hospital/Fox Chase Cancer Center  
Dante E. Roa, PhD, University of California, Irvine  
Victor Jose Bourel, Favaloro University  
Eduardo G. Moros, PhD, MS, BS, H. Lee Moffitt Cancer Center

**Sunday, October 18**

6:45 a.m. - 8:00 a.m.  
*International Attendee Welcome Breakfast*  
Room: Ballroom A  
Speakers:  
Kenneth Shung Hu, MD, Mount Sinai Beth Israel  
Zhongxing Liao, MD, MD Anderson Cancer Center  
David C. Beyer, MD, FASTRO, Arizona Oncology Services Physicians  
Zachary Morris, MD, University of Wisconsin  
Uger Selek, MD, MD Anderson Radiation Oncology Outreach Center at American Hospital  
Adela Poitevin, MD, MedicaSur

1:15 p.m. - 2:45 p.m.  
*ASTRO/ESTRO Joint Session: Novel Treatment Approaches for Oligometastases*  
Room: 004  
Speakers:  
Joseph Salama, MD, Duke University Medical Center  
David Palma, MD, PhD, London Health Sciences Centre  
Alejandra Romero, MD, PhD, Aarhus University Hospital  
Morton Hoyer, MD, PhD, Erasmus MC Daniel den Hoed Cancer Center
4:45 p.m. - 6:15 p.m.
ASTRO 2015 Chinese Language Refresher Course: Creating a Practical Quality and Safety Program in Radiotherapy in China
Room: 004
Moderators:
Jiade J. Lu, MD, MBA, Shanghai Proton and Heavy Ion Center (SHPIC)
Ying Xiao, PhD, Thomas Jefferson University
Speakers:
Luhua Wang, MD, Cancer Hospital, Chinese Academy of Medical Sciences
Jinming Yu, MD, PhD, Sandong Tumor Hospital and Institute
Jinyi Lang, MD, PhD, Sichuan Cancer Hospital and Institute, Chengdu
Xiaowu Deng, PhD, Sun Yat-Sen University Cancer Center, Guangzhou
Weining Zhen, MD, University of Nebraska Medical Center
Zhen Zhang, MD, PhD, Fudan University Shanghai Cancer Center

Monday, October 19
7:45 a.m. - 9:00 a.m.
The Global Health Movement in Radiation Oncology: A Call to Action in Education, Research, Outreach and Advocacy
Room: 004
Moderators:
Kenneth Shung Hu, MD, Mount Sinai Beth Israel
C. Norman Coleman, MD, FASTRO, National Institutes of Health/National Cancer Institute
Speakers:
Surbhi Grover, MD, MPH, University of Pennsylvania
Brandon J. Fisher, DO, Gamma West Cancer Services
Joel Yarney, MB, ChB, Korle Bu Teaching Hospital
David A. Jaffray, PhD, Princess Margaret Cancer Centre / University of Toronto

10:45 a.m. - 12:15 p.m.
ASTRO 2015 International Symposium: Transitioning from 2-D to 3-D to Advanced Techniques: Promises and Perils PART I: Focus on Radiation Therapy in LMICs - Interactive
Room: 007 C/D
Moderator:
Jatinder R. Palta, PhD, FASTRO, Virginia Commonwealth University
Speakers:
Bhadrasain Vikram, MD, National Institutes of Health/National Cancer Institute
Baffour Awuah, MD, Komfo Anokye Teaching Hospital
Nunan Bese, MD, Acibadem Maslak Hospital

4:15 p.m. - 5:45 p.m.
ASTRO 2015 International Symposium: Transitioning from 2-D to 3-D to Advanced Techniques: Promises and Perils PART II: Focus on Radiation Therapy Treatments for Breast, Gynecological, Lung, and Head and Neck Cancers - Interactive
Room: 007 C/D
Moderator:
Jatinder R. Palta, PhD, FASTRO, Virginia Commonwealth University
Speakers:
Manjeet Chadha, MD, FASTRO, Mount Sinai Beth Israel Medical Center
Nina A. Mayr, MD, FASTRO, University of Washington Medical Center
Zhongxing Liao, MD, MD Anderson Cancer Center
Kenneth Shung Hu, MD, Mount Sinai Beth Israel
ASTRO-NCI Diversity Symposium and Breakfast

Tuesday, October 20
7:30 a.m. – 9:00 a.m.
Room: 214 A/B

This is a ticketed event and requires pre-registration to attend.

Members of the National Cancer Institute and ASTRO’s Healthcare Access and Training Subcommittee invite you to join them to learn about historical and current barriers and new approaches and strategies to providing cancer care for the underserved populations in the United States. Expert speakers will describe the current and historical context and ongoing institutional, organizational and scholarly efforts to address physician workforce diversity as a means to directly and indirectly address cancer disparities.

**Moderators:**
Rosemary S. L. Wong, PhD, National Institutes of Health/National Cancer Institute
Karen Winkfield, MD, PhD, Massachusetts General Hospital

*Health Workforce: Trends and Current Status of Diversity*
Laura Castillo-Page, PhD, Association of American Medical Colleges

*A Perspective on Workforce Diversity in Radiation Oncology*
Curtiland Deville, MD, Johns Hopkins University

*The Importance of Oncology Workforce Diversity and Future Strategies*
Chris Flowers, MD, Emory University

**Wrap-up and Q and A**
Karen Winkfield, MD, PhD, Massachusetts General Hospital
ASTRO Accreditation Program for Excellence (APEX®)

ASTRO’s practice accreditation program highlights the Society’s commitment to safety and quality. The program uses evidence-based guidelines and consensus statements on the practice of radiation oncology to establish standards of performance. ASTRO’s practice accreditation program will provide an objective review by practicing radiation oncology professionals of essential functions and processes of radiation oncology practices, in addition to a facility visit from a multidisciplinary team. The practice accreditation program consists of five key areas: the process of care, the radiation oncology team, safety, quality management and patient-centered care.

Saturday, October 17
2:00 p.m. - 3:30 p.m.
ASTRO Accreditation Program for Excellence (APEX) – Surveyor Training
Room: 005
Prabhakar Tripuraneni, MD, FASTRO, Scripps Health Clinic
Yan Yu, PhD, MBA, Thomas Jefferson University
Angela Kennedy, DC, MBA, ASTRO
Amy Nordeng, JD, ASTRO

This interactive session is designed to provide case-based scenarios of the program and guidance on the surveyor’s role. The target audience for this session is approved surveyors for ASTRO’s practice accreditation program.

Participants of this session will be able to:
• Discuss the surveyor orientation requirements.
• Describe the role of the surveyor during the facility visit.
• Demonstrate the surveyor web-based data entry tool.
• Discuss corrective action steps when encountering difficult scenarios during a survey.

Monday, October 19
12:30 p.m. - 1:30 p.m.
ASTRO Accreditation Program for Excellence (APEX) Highlights Luncheon
Room: 004
Prabhakar Tripuraneni, MD, FASTRO, Scripps Health Clinic
Yan Yu, PhD, MBA, Thomas Jefferson University

This session will provide an overview of ASTRO’s practice accreditation program. This luncheon will provide the necessary information needed to understand the process, from application to successful accreditation. Those attending will be able to understand the expectations, steps, resources and tools to complete the process. The panel will consist of APEX participants who will share their experience with the program.
Recognizing the benefits of a national system for incident learning within radiation oncology, ASTRO and AAPM have taken the lead in establishing RO-ILS: Radiation Oncology Incident Learning System. Data collected from RO-ILS educates the radiation oncology community on how to improve safety and patient care. RO-ILS was established as a patient safety organization (PSO) within the confines of the Patient Safety and Quality Improvement Act of 2005 (PSQIA). The PSQIA authorizes the creation of PSOs to improve quality and safety through the collection and analysis of data on patient events. By providing both confidentiality and privilege, PSOs create a secure, non-punitive environment where clinicians and health care organizations can collect, aggregate and analyze data in order to identify and reduce the risks and hazards associated with patient care. RO-ILS has been operational since June 19, 2014. Attend the activities listed below to learn more about patient safety.

**Saturday, October 17**
1:00 p.m. - 2:30 p.m.
*RO-ILS User Meeting*
Room: 217 A/B
This is a ticketed event and is invitation only.

**Tuesday, October 20**
4:45 p.m. - 6:15 p.m.
*Panel 16: Incident Learning and Building a Culture of Safety - Interactive*
Room: 006

**Wednesday, October 21**
9:15 a.m. - 10:00 a.m.
*Keynote Address III – Professional Accountability: Patient Safety and the PARS Program*
Room: Grand Ballroom C
Gerald Hickson, MD, Senior Vice-president and Assistant Vice-chancellor, Vanderbilt University Medical Center
# Schedule of Events

## Saturday, October 17, 2015

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 a.m. – 5:00 p.m.</td>
<td>ASTRO/ABS Prostate Brachytherapy Simulation Workshop (Ticketed)</td>
<td>Ballroom B</td>
</tr>
<tr>
<td>8:30 a.m. – 10:00 a.m.</td>
<td>eContouring Learning Lab 1 - Lung Cancer with SBRT (Ticketed)</td>
<td>214 A/B</td>
</tr>
<tr>
<td>8:30 a.m. – 9:30 a.m.</td>
<td>Nursing Session I - Moving Nursing Radiation Forward - Evidence-based Practice and Quality Improvement</td>
<td>008 A/B</td>
</tr>
<tr>
<td>9:30 a.m. – 10:30 a.m.</td>
<td>Nursing Session II - HPV in Oropharynx Cancers and Prophylaxis Dental Care</td>
<td>008 A/B</td>
</tr>
<tr>
<td>10:00 a.m. – 5:00 p.m.</td>
<td>ARRO Annual Seminar (INTERACTIVE) (Ticketed)</td>
<td>006</td>
</tr>
<tr>
<td>10:45 a.m. – 11:45 a.m.</td>
<td>Nursing Session III - Treating a Culturally Diverse Patient Population</td>
<td>008 A/B</td>
</tr>
<tr>
<td>11:00 a.m. – 12:30 p.m.</td>
<td>eContouring Learning Lab 2 - GI Cancer (Ticketed)</td>
<td>214 A/B</td>
</tr>
<tr>
<td>11:45 a.m. – 1:00 p.m.</td>
<td>Nurses’ Welcome Luncheon (Open to Nurse attendees only.)</td>
<td>007 C/D</td>
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<tr>
<td>1:00 p.m. – 2:30 p.m.</td>
<td>Workshop/Special Session 1 - ACGME Residency Training New Accreditation System: Advice on How to Implement Specific Requirements (Ticketed)</td>
<td>101 A/B</td>
</tr>
<tr>
<td>1:00 p.m. – 2:30 p.m.</td>
<td>RO-ILS: Radiation Oncology Incident Learning System Users Roundtable (Ticketed)</td>
<td>217 A/B</td>
</tr>
<tr>
<td>1:30 p.m. – 3:00 p.m.</td>
<td>eContouring Learning Lab 3 - Lymphoma (Ticketed)</td>
<td>214 A/B</td>
</tr>
<tr>
<td>2:00 p.m. – 3:30 p.m.</td>
<td>APEX® Advanced Surveyor Orientation (Ticketed)</td>
<td>005</td>
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<tr>
<td>3:00 p.m. – 4:30 p.m.</td>
<td>Nursing Session V - Managing Prostate Cancer Survivors Late Effects and Ongoing Risks</td>
<td>008 A/B</td>
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<tr>
<td>3:00 p.m. – 6:00 p.m.</td>
<td>International Session 1 - Spanish Language Refresher Course</td>
<td>004</td>
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<tr>
<td>4:00 p.m. – 5:30 p.m.</td>
<td>eContouring Learning Lab 4 - Breast Cancer (Ticketed)</td>
<td>214 A/B</td>
</tr>
<tr>
<td>4:30 p.m. – 6:00 p.m.</td>
<td>Nursing Session VI - Palliative Care Panel</td>
<td>008 A/B</td>
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</table>
Sunday, October 18, 2015

6:45 a.m. - 8:00 a.m.
International Attendee Welcome Breakfast – Welcome to San Antonio
Room: Ballroom A

7:45 a.m. – 8:00 a.m.
Welcome to San Antonio
Room: Grand Ballroom C

8:00 a.m. - 8:05 a.m.
Presidential Symposium Introduction - Opening Remarks
Room: Grand Ballroom C

8:00 a.m. - 9:30 a.m.
eContouring Learning Lab 5 - Gynecologic Cancer (Ticketed)
Room: 214 A/B

8:05 a.m. - 9:35 a.m.
Presidential Symposium Session I - GI Cancer Imaging, Staging, Genomics, Data Mining Approaches
Room: Grand Ballroom C

8:30 a.m. - 10:00 a.m.
Nursing Session VII - Caring for Patients Receiving Chemoradiation
Room: 008 A/B

9:50 a.m. - 11:02 a.m.
Presidential Symposium Session II - Esophagus/Esophageal Junction Cancer
Room: Grand Ballroom C

10:00 a.m. - 5:00 p.m.
Exhibit Hall Open
Room: Halls B-D - Street Level

10:00 a.m. - 5:00 p.m.
Poster Viewing Hall Open
Room: Hall A - Street Level

10:15 a.m. - 11:15 a.m.
Nursing Session VIII - Brachytherapy
Room: 008 A/B

10:30 a.m. - 12:00 p.m.
eContouring Learning Lab 6 - Head and Neck Intermediate (Ticketed)
Room: 214 A/B

11:02 a.m. - 12:15 p.m.
Presidential Symposium Session III - Colorectal Cancer
Room: Grand Ballroom C

11:15 a.m. - 12:15 p.m.
Nursing Session IX - Integrative Therapies Used by Pediatric Radiation Oncology Patients
Room: 008 A/B

12:15 p.m. - 1:15 p.m.
ARRO Annual Luncheon (Ticketed) (Open to Residents and Students.)
Room: 217 A/B

12:15 p.m. - 1:15 p.m.
Health Policy Socioeconomic Luncheon - 2016 Radiation Oncology Coding and Reimbursement Update (Ticketed)
Room: 217 C/D

1:15 p.m. - 2:45 p.m.
Scientific Session A - Physics Cutting Edge Physics Technology: Radiomics
Room: Lila Cockrell Theatre

1:15 p.m. - 2:45 p.m.
Scientific Session B - GYN I Cervical and Endometrial Cancer
Room: 005

1:15 p.m. - 2:45 p.m.
Scientific Session C - GI I Cancers of the Esophagus and Stomach
Room: 214 C/D

1:15 p.m. - 2:45 p.m.
Scientific Session D - Patient Safety I
Room: 217 C/D

1:15 p.m. - 2:45 p.m.
ePoster 1 - Physics II SRS/SBRT and MRI guided Therapy
Room: 101 A/B
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>1:15 p.m. - 2:45 p.m.</td>
<td>ePoster 2 - Lung I: Locally Advanced Small Cell</td>
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<tr>
<td>Room: 102 A/B</td>
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<tr>
<td>1:15 p.m. - 2:45 p.m.</td>
<td>Panel 01 - Pediatric Normal Tissue Effects in the Clinic: An International Collaboration to Synthesize Data on Normal Tissue Radiation Dose Volumes Tolerances as Impacted by Development in Pediatric Cancer</td>
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<td>Room: 007 A/B</td>
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<tr>
<td>1:15 p.m. - 2:45 p.m.</td>
<td>Panel 02 - Opportunities and Challenges for Combining Radiation With Targeted Agents</td>
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<td>Room: 007 C/D</td>
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<tr>
<td>1:15 p.m. - 2:45 p.m.</td>
<td>Educational Session 01 (INTERACTIVE) - Challenging Cases in the Management of Breast Cancer</td>
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<td>Room: 006</td>
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<tr>
<td>1:15 p.m. - 2:45 p.m.</td>
<td>Educational Session 02 (INTERACTIVE) - Challenging Cases of Hodgkin Lymphoma and Non Hodgkin Lymphoma</td>
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<tr>
<td>Room: Ballroom A</td>
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<tr>
<td>1:15 p.m. - 2:45 p.m.</td>
<td>Educational Session 03 (Live SA CME)* - Integrating Advances in MRI and Nuclear Medicine Imaging into the Management of Prostate Cancer: Pitfalls and Value</td>
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<tr>
<td>Room: 103 A/B</td>
<td>(*Ticketed - To receive SA CME credit you must be registered for the event and have a ticket.)</td>
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<tr>
<td>1:15 p.m. - 2:45 p.m.</td>
<td>eContouring Learning Lab 7 - Head and Neck Advanced (Ticketed)</td>
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<td>Room: 214 A/B</td>
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<tr>
<td>1:15 p.m. - 2:45 p.m.</td>
<td>Nursing Session X - Geriatric Approach in the Care of Elders Receiving Radiation Treatment: Implications for Practice, Education and Research</td>
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<td>Room: 008 A/B</td>
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<tr>
<td>1:15 p.m. - 2:45 p.m.</td>
<td>International Session 2 - ASTRO/ESTRO - Novel Treatment Approaches for Oligometastases</td>
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<td>Room: 004</td>
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<tr>
<td>3:15 p.m. - 4:45 p.m.</td>
<td>Clinical Trials - Clinical Trials and Innovation in Radiation Oncology</td>
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<tr>
<td>Room: Grand Ballroom C</td>
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<tr>
<td>3:15 p.m. - 4:45 p.m.</td>
<td>Nursing Session XI - Acute and Late Effects of Chemoradiotherapy in Lung Cancer</td>
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<td>Room: 008 A/B</td>
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<tr>
<td>4:45 p.m. - 6:15 p.m.</td>
<td>Scientific Session E - Physics III MRI guided Radiation Therapy</td>
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<td>Room: Lila Cockrell Theatre</td>
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<td>4:45 p.m. - 6:15 p.m.</td>
<td>Scientific Session F - GU I Urologic Malignancies: Bladder, Penile, Seminoma</td>
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<td>Room: 007 C/D</td>
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<tr>
<td>4:45 p.m. - 6:15 p.m.</td>
<td>ePoster 3 - Physics IV 3-D Treatment Delivery and Dosimetry</td>
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<td>Room: 101 A/B</td>
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<tr>
<td>4:45 p.m. - 6:15 p.m.</td>
<td>ePoster 4 - CNS I Benign and Intermediate Risk CNS Tumors; Controversies in High Grade Glioma</td>
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<td>Room: 102 A/B</td>
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<tr>
<td>4:45 p.m. - 6:15 p.m.</td>
<td>Panel 03 (INTERACTIVE) - De Escalation of Therapy in HPV Positive Oropharyngeal Cancers</td>
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<td>Room: 006</td>
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<td>4:45 p.m. - 6:15 p.m.</td>
<td>Panel 04 (INTERACTIVE) - Radiotherapeutic Management of the Lymph Nodes in Breast Cancer: Evolving Paradigms</td>
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<tr>
<td>Room: Ballroom A</td>
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</tbody>
</table>
4:45 p.m. - 6:15 p.m.
 Educational Session 04 - Vaginal and Vulvar Cancers: State of the Art Treatment Approaches
 *Room: 007 A/B*

4:45 p.m. - 6:15 p.m.
 Educational Session 05 - Pancreatic Cancer: Current Treatment Approaches and Controversies
 *Room: 214 C/D*

4:45 p.m. - 6:15 p.m.
 Educational Session 06 - A Clinical and Technological Roadmap of Hypofractionation and Detours Along the Way
 *Room: 217 A/B*

4:45 p.m. - 6:15 p.m.
 Educational Session 07 (Live SA CME)* - Pediatric Brain Tumors
 *Room: 103 A/B*
 (*Ticketed - To receive SA CME credit you must be registered for the event and have a ticket.)

4:45 p.m. - 6:15 p.m.
 Educational Session 08 - Advanced Treatment of Non-small Cell Lung Cancer: Using All the Tools (Imaging, Motion Correction and IMRT) Promises and Pitfalls: A Case Based Approach
 *Room: 217 C/D*

4:45 p.m. - 6:15 p.m.
 eContouring Learning Lab 8 - Prostate Cancer (Ticketed)
 *Room: 214 A/B*

4:45 p.m. - 6:15 p.m.
 Nursing Session XII - Survivorship Panel
 *Room: 008 A/B*

4:45 p.m. - 6:15 p.m.
 International Session 3 - ASTRO 2015 Chinese Language Refresher Course: Creating a Practical Quality and Safety Program in Radiotherapy in China
 *Room: 004*

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**Monday, October 19, 2015**

7:45 a.m. - 9:00 a.m.
 ASTRO Research Award Winner Breakfast - ASTRO Research Award Winner Breakfast (Ticketed)
 *Room: 217 C/D*

7:30 a.m. - 9:00 a.m.
 ARRO Meet the Professor Breakfast (Ticketed)
 *Room: 214 A/B*

7:45 a.m. - 9:00 a.m.
 Scientific Session G - Sarcoma and Cutaneous Tumors
 *Room: 102 A/B*

7:45 a.m. - 9:00 a.m.
 Scientific Session H - Physics V - Advances in Automation and Adaptive Planning
 *Room: Lila Cockrell Theatre*

7:45 a.m. - 9:00 a.m.
 Scientific Session I - Peds I - CNS and Non-CNS Tumors
 *Room: 008 A/B*

7:45 a.m. - 9:00 a.m.
 Scientific Session J - Patient Reported Outcomes
 *Room: 005*

7:45 a.m. - 9:00 a.m.
 Scientific Session K - CNS II - Brain Metastasis and Intracranial Radiosurgery
 *Room: 214 C/D*

7:45 a.m. - 9:00 a.m.
 Educational Session 09 (INTERACTIVE) - Current Controversies in Early-stage Breast Cancer
 *Room: 006*

7:45 a.m. - 9:00 a.m.
 Educational Session 10 - Vascular Biology and SBRT/SRS
 *Room: 101 A/B*
7:45 a.m. - 9:00 a.m.
Educational Session 11 (Live SA CME)* - Primary and Secondary Cancers of the Liver: Overview and Current Management
Room: 103 A/B
(*Ticketed - To receive SA CME credit you must be registered for the event and have a ticket.)

7:45 a.m. - 9:00 a.m.
Educational Session 12 (INTERACTIVE) - Imaging Gently for Radiotherapy: Techniques for Reducing Patient Dose from IGRT
Room: Ballroom A

7:45 a.m. - 9:00 a.m.
Educational Session 13 - IMRT/SBRT as an Alternative to Brachytherapy in Gynecologic Cancers
Room: 007 A/B

7:45 a.m. - 9:00 a.m.
International Session 4 - The Global Health Movement in Radiation Oncology: A Call to Action in Education, Research, Outreach and Advocacy
Room: 004

9:15 a.m. - 10:15 a.m.
Keynote Address
Room: Grand Ballroom C

10:00 a.m. - 5:00 p.m.
Exhibit Hall Open
Room: Halls B-D - Street Level

10:00 a.m. - 5:00 p.m.
Poster Viewing Hall Open
Room: Hall A - Street Level

10:45 a.m. - 12:15 p.m.
Scientific Session L - Best of Physics
Room: Lila Cockrell Theatre

10:45 a.m. - 12:15 p.m.
Scientific Session M - GU II High-risk Prostate: Nodes, Hormonal and Systemic Therapies
Room: Ballroom A

10:45 a.m. - 12:15 p.m.
Scientific Session N - Biology I Radiosensitizers
Room: 005

10:45 a.m. - 12:15 p.m.
ePoster 5 - Head and Neck I
Room: 101 A/B

10:45 a.m. - 12:15 p.m.
ePoster 6 - CNS III - Competing Risks in the CNS: Control, Toxicity and Long-term Survivors
Room: 102 A/B

10:45 a.m. - 12:15 p.m.
Panel 05 - Appropriate Customization of Radiation Therapy for Stage II and III Rectal Cancer: An ASTRO Clinical Practice Statement Using the RAND/UCLA Appropriateness Method
Room: 217 A/B

10:45 a.m. - 12:15 p.m.
Panel 06 - The Future of the U.S. Radiation Oncology Labor Market: Matching Supply and Demand
Room: 008 A/B

10:45 a.m. - 12:15 p.m.
Educational Session 14 (Live SA CME)* - Locoregional Radiation Therapy After Mastectomy
Room: 103 A/B
(*Ticketed - To receive SA CME credit you must be registered for the event and have a ticket.)

10:45 a.m. - 12:15 p.m.
Educational Session 15 (INTERACTIVE) - Challenging Cases in Endometrial Cancer
Room: 006

10:45 a.m. - 12:15 p.m.
Educational Session 16 - Advanced Treatment Planning: Methods and Safe Implementation
Room: 007 A/B

10:45 a.m. - 12:15 p.m.
Educational Session 17 - Designing Intelligent Safety Nets
Room: 214 C/D
10:45 a.m. - 12:15 p.m.
International Session 5 (INTERACTIVE) - ASTRO 2015 International Symposium: Transitioning from 2-D to 3-D to Advanced Techniques: Promises and Perils
PART I: Focus on Radiation Therapy in LMICs
Room: 007 C/D

12:30 p.m. - 1:30 p.m.
AAWR/ASTRO Luncheon (Ticketed)
Room: 214 A/B

12:30 p.m. - 1:30 p.m.
ARRO Poster Walk with a Professor (Ticketed)
Room: Poster Lounge/Hall A

12:30 p.m. - 1:30 p.m.
APEX® Highlights Luncheon (Ticketed)
Room: 004

1:30 p.m. - 2:15 p.m.
Presidential Address - Technology Meets Patient Care: We are Doctors First
Room: Grand Ballroom C

2:15 p.m. - 3:25 p.m.
Plenary Session
Room: Grand Ballroom C

3:25 p.m. - 3:45 p.m.
ASTRO Clinical Practice Statements Highlight Session - Rectal Cancer - Appropriate Customization of Radiation Therapy for Stage II and III Rectal Cancer: An ASTRO Clinical Practice Statement Using the RAND/UCLA Appropriateness Method
Room: Grand Ballroom C

4:15 p.m. - 5:45 p.m.
Scientific Session O - Physics VI Tumor and Normal Tissue Response Modeling
Room: 217 A/B

4:15 p.m. - 5:45 p.m.
Scientific Session P - CNS IV Spinal SBRT: Melanoma of Brain and Ocular Structures
Room: 005

4:15 p.m. - 5:45 p.m.
ePoster 7 - Physics VII Outcome Imaging and Outcome Modeling
Room: 101 A/B

4:15 p.m. - 5:45 p.m.
ePoster 8 - Biology II Biomarkers of Radiosensitivity and Targeted Radiosensitization
Room: 102 A/B

4:15 p.m. - 5:45 p.m.
Panel 07 - Stereotactic Radiation Therapy: Beyond Medical Inoperable Stage I NSCLC
Room: 214 C/D

4:15 p.m. - 5:45 p.m.
Panel 08 - Early-stage Breast Cancer: Should Tumor Biology Impact Management Decisions?
Room: 217 C/D

4:15 p.m. - 5:45 p.m.
Educational Session 18 - External Beam Radiation Therapy for Prostate Cancer, Including Postop RT: Dose, Volume, Fractionation
Room: Ballroom A

4:15 p.m. - 5:45 p.m.
Educational Session 19 - Payment Reform Initiatives in Radiation Oncology
Room: 008 A/B

4:15 p.m. - 5:45 p.m.
Educational Session 20 - Practical Clinical Implementation and Use of Adaptive Radiation Therapy
Room: 007 A/B

4:15 p.m. - 5:45 p.m.
Educational Session 21 (INTERACTIVE) - Challenging Cases in Head and Neck Cancers
Room: 006

4:15 p.m. - 5:45 p.m.
International Session 6 (INTERACTIVE) - ASTRO 2015 International Symposium: Transitioning from 2-D to 3-D to Advanced Techniques: Promises and Perils
PART II: Focus on Radiation Therapy Treatments for Breast, Gynecological, Lung and Head and Neck
Room: 007 C/D

4:15 p.m. – 5:45 p.m.
Joint Session I (Live SA CME*) - Maintenance of Certification Becomes Simpler: New Initiatives from the ABR
Room: 103 A/B

(*Ticketed - To receive SA CME credit you must be registered for the event and have a ticket.)
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Room/Location</th>
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<tbody>
<tr>
<td>5:30 p.m. - 6:45 p.m.</td>
<td>Poster Viewing Session and Reception, Resident Poster Viewing Recognition Award Presentations</td>
<td>Room: Hall A - Street Level</td>
</tr>
<tr>
<td>5:45 p.m. - 6:45 p.m.</td>
<td>AARO/Medical Student Meet and Greet</td>
<td>Room: Hall A - Street Level</td>
</tr>
<tr>
<td><strong>Tuesday, October 20, 2015</strong></td>
<td></td>
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</tr>
<tr>
<td>7:30 a.m. - 9:00 a.m.</td>
<td>ASTRO NCI Diversity Symposium and Breakfast (Ticketed)</td>
<td>Room: 214 A/B</td>
</tr>
<tr>
<td>7:45 a.m. - 9:00 a.m.</td>
<td>Scientific Session Q - Breast I Altered Fractionation</td>
<td>Room: 217 A/B</td>
</tr>
<tr>
<td>7:45 a.m. - 9:00 a.m.</td>
<td>Scientific Session R - Palliative Care I</td>
<td>Room: 008 A/B</td>
</tr>
<tr>
<td>7:45 a.m. - 9:00 a.m.</td>
<td>Scientific Session S - Lymphoma/Leukemia I Updated Radiation Therapy Allows for New Indications</td>
<td>Room: 005</td>
</tr>
<tr>
<td>7:45 a.m. - 9:00 a.m.</td>
<td>Scientific Session T - Lung II Immunotherapy and Metastatic Disease</td>
<td>Room: 217 C/D</td>
</tr>
<tr>
<td>7:45 a.m. - 9:00 a.m.</td>
<td>Scientific Session U - Head and Neck II Treatment Planning and Volume Definition</td>
<td>Room: 214 C/D</td>
</tr>
<tr>
<td>7:45 a.m. - 9:00 a.m.</td>
<td>Educational Session 22 - Novel Therapies and Role of RT in Management of Men with Metastatic Prostate Cancer</td>
<td>Room: Lila Cockrell Theatre</td>
</tr>
<tr>
<td>7:45 a.m. - 9:00 a.m.</td>
<td>Educational Session 23 - Survivorship Care: Understanding the Changing Landscape and Tools to Implement SCPs</td>
<td>Room: 101 A/B</td>
</tr>
<tr>
<td>7:45 a.m. - 9:00 a.m.</td>
<td>Educational Session 24 - The Basics of Genomic Radiobiology: Concepts and Clinical Applications</td>
<td>Room: 102 A/B</td>
</tr>
<tr>
<td>7:45 a.m. - 9:00 a.m.</td>
<td>Educational Session 25 (INTERACTIVE) - Respiratory Motion Management: Evidence-based Techniques for Lung Radiation Therapy</td>
<td>Room: 006</td>
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<tr>
<td>9:15 a.m. - 10:15 a.m.</td>
<td>Keynote Address II</td>
<td>Room: Grand Ballroom C</td>
</tr>
<tr>
<td>10:00 a.m. - 5:00 p.m.</td>
<td>Exhibit Hall Open</td>
<td>Room: Halls B-D - Street Level</td>
</tr>
<tr>
<td>10:00 a.m. - 5:00 p.m.</td>
<td>Poster Viewing Hall Open</td>
<td>Room: Hall A - Street Level</td>
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<tr>
<td>10:15 a.m. - 11:30 a.m.</td>
<td>Awards Ceremony</td>
<td>Room: Grand Ballroom C</td>
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<tr>
<td>11:30 a.m. - 1:00 p.m.</td>
<td>Business Meeting Luncheon</td>
<td>Room: 103 A/B</td>
</tr>
<tr>
<td>1:00 p.m. - 2:30 p.m.</td>
<td>Scientific Session V - Biology III Carcinogenesis and Radiation Toxicity</td>
<td>Room: 005</td>
</tr>
<tr>
<td>Time</td>
<td>Event</td>
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<tr>
<td>1:00 p.m. - 2:30 p.m.</td>
<td>Scientific Session W - Head and Neck HPV Associated Oropharyngeal Cancer</td>
<td>217 A/B</td>
</tr>
<tr>
<td>1:00 p.m. - 2:30 p.m.</td>
<td>Scientific Session X - Lymphoma/Leukemia New Rules in Lymphoma: Learning From the Past</td>
<td>008 A/B</td>
</tr>
<tr>
<td>1:00 p.m. - 2:30 p.m.</td>
<td>ePoster 9 - Lung III SBRT (Miscellaneous)</td>
<td>101 A/B</td>
</tr>
<tr>
<td>1:00 p.m. - 2:30 p.m.</td>
<td>ePoster 10 - Physics VIII Imaging for Planning and Delivery</td>
<td>102 A/B</td>
</tr>
<tr>
<td>1:00 p.m. - 2:30 p.m.</td>
<td>Panel 09 - Risk Assessment and Prevention in DCIS: Oncotype DCIS Score and Nomograms</td>
<td>Lila Cockrell Theatre</td>
</tr>
<tr>
<td>1:00 p.m. - 2:30 p.m.</td>
<td>Panel 10 - Three Birds With One Stone: Using Quality Measures for Reimbursement, Maintenance of Certification and Quality Improvement</td>
<td>007 A/B</td>
</tr>
<tr>
<td>1:00 p.m. - 2:30 p.m.</td>
<td>Panel 11 - Exploring Opportunities for Radiation Oncology in the Era of Big Data: Highlights of the ASTRO/NCI/AAPM Workshop</td>
<td>007 C/D</td>
</tr>
<tr>
<td>1:00 p.m. - 2:30 p.m.</td>
<td>Educational Session 27 (INTERACTIVE) - Challenging Cases in the Management of Newly Diagnosed and Recurrent Prostate Cancer</td>
<td>006</td>
</tr>
<tr>
<td>1:00 p.m. - 2:30 p.m.</td>
<td>Educational Session 28 - Managing Brain Metastases in the 21st Century: Treatment Options and Case Discussions</td>
<td>214 A/B</td>
</tr>
<tr>
<td>1:00 p.m. - 2:30 p.m.</td>
<td>Educational Session 29 - Radiotherapy Utilization Near End of Life</td>
<td>214 C/D</td>
</tr>
<tr>
<td>1:00 p.m. - 2:30 p.m.</td>
<td>Educational Session 30 (INTERACTIVE) - Recent Advances in Endometrial Cancer</td>
<td>217 C/D</td>
</tr>
<tr>
<td>1:00 p.m. - 2:30 p.m.</td>
<td>Educational Session 31 (Live SA CME)* - Doses, Modeling and Outcomes of Hypofractionated Treatments: Results of the WGSBRT</td>
<td>Ballroom A</td>
</tr>
<tr>
<td>1:00 p.m. - 2:30 p.m.</td>
<td>Young Physicians’ Workshop Part I - ASTRO, MOC and Challenging Scenarios</td>
<td>004</td>
</tr>
<tr>
<td>2:45 p.m. - 4:15 p.m.</td>
<td>Scientific Session Y - Physics IX SRS and SBRT</td>
<td>Lila Cockrell Theatre</td>
</tr>
<tr>
<td>2:45 p.m. - 4:15 p.m.</td>
<td>Scientific Session Z - Lung IV Locally Advanced Lung Cancer</td>
<td>Ballroom A</td>
</tr>
<tr>
<td>2:45 p.m. - 4:15 p.m.</td>
<td>Scientific Session AA - Health Service Research I Defining “Cost Effectiveness&quot;</td>
<td>007 A/B</td>
</tr>
<tr>
<td>2:45 p.m. - 4:15 p.m.</td>
<td>ePoster 11 - Peds II Pediatric Tumors</td>
<td>101 A/B</td>
</tr>
<tr>
<td>2:45 p.m. - 4:15 p.m.</td>
<td>ePoster 12 - GU III DPD: Prostate Hypofractionation, Proton Therapy, Toxicity and QOL</td>
<td>102 A/B</td>
</tr>
<tr>
<td>2:45 p.m. - 4:15 p.m.</td>
<td>Panel 12 - Optimization of Advanced Radiation Technologies In NCI’s New National Clinical Trials Network</td>
<td>217 A/B</td>
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</tbody>
</table>
**Panel 13** - (INTERACTIVE) - Integration of Molecular Signatures and Genomic Classifiers, Potential Opportunities for Integration in the Practice of Radiation Oncology
*Room: 217 C/D*

**Panel 14** - Target Safely: ASTRO’s Accomplishments in 5 Years
*Room: 007 C/D*

**Educational Session 32** (INTERACTIVE) - Challenging Cases in GI Malignancies
*Room: 006*

**Educational Session 33** - Primary Brain Tumors: Year in Review
*Room: 214 A/B*

**Educational Session 34** - Current Approach in the Management of Head and Neck Cancer
*Room: 214 C/D*

**Educational Session 35** - Extranodal Non-Hodgkin Lymphoma: Clinical and Technical Advances in the Management of Primary Mediastinal Lymphoma, Gastric Lymphoma and Cutaneous Lymphomas
*Room: 008 A/B*

**Young Physicians’ Workshop Part II** - Economics, Resources and Legal
*Room: 004*

**Scientific Session BB** - Biology Immune Response and the Microenvironment
*Room: 008 A/B*

**Scientific Session CC** - Physics Advanced Imaging for Planning and Normal Tissue Response Assessment
*Room: Lila Cockrell Theatre*

**Panel 15** (Live SA CME)* - Practice Changing Trials in Lymphoma: Implications for Standards of Care in Radiation Oncology
*Room: Ballroom A* (*Ticketed - To receive SA CME credit you must be registered for the event and have a ticket.)*

**Panel 16** (INTERACTIVE) - Incident Learning and Building a Culture of Safety
*Room: 006*

**Educational Session 36** - MRI in Radiation Oncology
*Room: 214 A/B*

**Educational Session 37** - Case-based Review: Role of MRI Imaging in the Management of Gliomas
*Room: 217 C/D*

**Educational Session 38** - Interstitial Brachytherapy for Prostate Cancer: LDR and HDR, Alone and With External Beam Radiation Therapy
*Room: 217 A/B*

**Educational Session 39** (INTERACTIVE) - Patient Centered Care: Cancer Care From the Patients View
*Room: 005*

**Joint Session 2** - When High-tech Meets Low-tech: Integrating Radiation Oncology and Spiritual Care
*Room: 004*
Wednesday, October 21, 2015

7:45 a.m. - 9:00 a.m.
Scientific Session EE - Biology V Imaging and Circulating Biomarkers
Room: 101 A/B

7:45 a.m. - 9:00 a.m.
Scientific Session FF - Breast II Toxicity
Room: 214 A/B

7:45 a.m. - 9:00 a.m.
Scientific Session GG - CNS V Prospective Glioma Trials and RT Related CNS Toxicity
Room: 217 A/B

7:45 a.m. - 9:00 a.m.
Scientific Session HH - GI III Stereotactic Body Radiation Therapy for Primary Hepatic Malignancies and Liver Metastases
Room: 217 C/D

7:45 a.m. - 9:00 a.m.
Scientific Session UU - Late-breaking Abstracts
Room: 214 C/D

7:45 a.m. - 9:00 a.m.
Educational Session 40 - Pediatric Sarcomas and Hodgkin Lymphoma
Room: 005

7:45 a.m. - 9:00 a.m.
Educational Session 41 (INTERACTIVE) - High-risk Early-stage Non-small Cell Lung Cancer: Treatment Options, Post Therapy Surveillance/Response Assessment and Considerations of Salvage Therapy
Room: Ballroom A

7:45 a.m. - 9:00 a.m.
Educational Session 42 - Management of Adult Sarcoma
Room: 102 A/B

9:15 a.m. - 10:00 a.m.
Keynote Address III
Room: Grand Ballroom C

10:00 a.m. - 10:30 a.m.
ASTRO Guidelines Highlight Session - Glioblastoma - Radiation Therapy for Glioblastoma: An ASTRO Evidence-based Guideline
Room: Grand Ballroom C

7:45 a.m. - 9:00 a.m.
Educational Session 44 (Live SA CME)* - Re-irradiation for Recurrent Head and Neck Cancer: Who, Why, How and How Much?
Room: 103 A/B
(*Ticketed - To receive SA CME credit you must be registered for the event and have a ticket.)
<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>10:45 a.m. - 12:15 p.m.</td>
<td>Panel 17 - Radiation Induced Heart Disease in Breast and Lung Malignancies: Of Great Concern or Overblown</td>
<td>214 A/B</td>
</tr>
<tr>
<td>10:45 a.m. - 12:15 p.m.</td>
<td>Panel 18 - Radiation Therapy for Glioblastoma: ASTRO Practice Guideline Evidentiary Base</td>
<td>007 A/B</td>
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<tr>
<td>10:45 a.m. - 12:15 p.m.</td>
<td>Panel 19 - Joint Session 3 - Radiation and Immunity Meet the Clinic</td>
<td>008 A/B</td>
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<tr>
<td>10:45 a.m. - 12:15 p.m.</td>
<td>Panel 20 - MRI Guided Adaptive Radiation Therapy</td>
<td>103 A/B</td>
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<tr>
<td>10:45 a.m. - 12:15 p.m.</td>
<td>Educational Session 45 (INTERACTIVE) - Educational Point Counter/Point: Proton Will Be the Eventual Future Standard for Radiation Treatment</td>
<td>Ballroom A</td>
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<tr>
<td>10:45 a.m. - 12:15 p.m.</td>
<td>Educational Session 46 (INTERACTIVE) - Challenging Lung Cancer Cases</td>
<td>006</td>
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<tr>
<td>1:15 p.m. - 2:45 p.m.</td>
<td>Scientific Session NN - GU V Post Prostatectomy Radiation Therapy: Who, When and How to Treat</td>
<td>217 A/B</td>
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<tr>
<td>1:15 p.m. - 2:45 p.m.</td>
<td>Scientific Session OO - Breast III General: Treatment, Outcomes and Risk Factors</td>
<td>214 C/D</td>
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<tr>
<td>1:15 p.m. - 2:45 p.m.</td>
<td>Scientific Session PP - CNS VI Management of Intermediate Risk Meningioma: Predictive and Prognostic Markers for Glioma</td>
<td>214 A/B</td>
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<tr>
<td>1:15 p.m. - 2:45 p.m.</td>
<td>ePoster 17 - Physics XII Novel 3-D and 4-D Planning and Delivery Techniques</td>
<td>101 A/B</td>
</tr>
<tr>
<td>1:15 p.m. - 2:45 p.m.</td>
<td>ePoster 18 - GI V</td>
<td>102 A/B</td>
</tr>
<tr>
<td>1:15 p.m. - 2:45 p.m.</td>
<td>Panel 21 - Translational Research Models for Clinical Practice: What You Need to Know</td>
<td>005</td>
</tr>
<tr>
<td>1:15 p.m. - 2:45 p.m.</td>
<td>Panel 22 - Imaging for Treatment Response Assessment</td>
<td>006</td>
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<tr>
<td>1:15 p.m. - 2:45 p.m.</td>
<td>Panel 23 (INTERACTIVE) - Locally Advanced Non-small Cell Lung Carcinoma: Incorporating Molecular Targeted Therapies and Immunotherapeutic Agents With Radiation Therapy in the Treatment of Locally Advanced NSCLC</td>
<td>Ballroom A</td>
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<tr>
<td>1:15 p.m. - 2:45 p.m.</td>
<td>Educational Session 47 (Live SA CME)* - Cervical Cancer: Management and Recent Advances</td>
<td>103 A/B</td>
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<tr>
<td>1:15 p.m. - 2:45 p.m.</td>
<td>Educational Session 48 - Management of Testicular Seminoma: Diagnosis, Treatment and Beyond</td>
<td>008 A/B</td>
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<tr>
<td>1:15 p.m. - 2:45 p.m.</td>
<td>Educational Session 49 - Advancement in Clinical Use of Technology and Imaging in Head and Neck Cancer</td>
<td>007 A/B</td>
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<tr>
<td>3:00 p.m. - 4:30 p.m.</td>
<td>Scientific Session QQ - Biology VII Tumor Biomarkers</td>
<td>102 A/B</td>
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<tr>
<td>3:00 p.m. - 4:30 p.m.</td>
<td>Scientific Session RR - Physics XIII Innovative Planning and Delivery Strategies</td>
<td>103 A/B</td>
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</table>
3:00 p.m. - 4:30 p.m.
Scientific Session SS - Lung VI Toxicity
Room: Lila Cockrell Theatre

3:00 p.m. - 4:30 p.m.
Scientific Session TT - GI VI Pancreatic Cancer: Current Treatment Approaches
Room: 007 A/B

3:00 p.m. - 4:30 p.m.
ePoster 19 - Breast IV ePoster Session
Room: 101 A/B

3:00 p.m. - 4:30 p.m.
Panel 24 - Radiation Therapy Following Transoral Surgery for Oropharynx Cancer: When, What and How to Treat
Room: 006

3:00 p.m. - 4:30 p.m.
Panel 25 - Prostate Cancer SBRT: Is It Ready for Primetime?
Room: 214 A/B

3:00 p.m. - 4:30 p.m.
Panel 26 - Stereotactic Radiosurgery for Functional CNS Disorders
Room: 217 C/D

3:00 p.m. - 4:30 p.m.
Educational Session 50 - Dose and Volume Strategies for HL and NHL: Evolution of Treatment Fields and Application in ISRT Era
Room: 008 A/B

3:00 p.m. - 4:30 p.m.
Educational Session 51 - Re-irradiation: Best Evidence for How to Do It Safely and Effectively
Room: 217 A/B

3:00 p.m. - 4:30 p.m.
Educational Session 52 (INTERACTIVE) - Serious Toxicities From Stereotactic Body Radiation Therapy: Ways to Avoid Them
Room: Ballroom A
EXHIBITORS
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Exhibitor List
(as of September 22, 2015)

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 Whippany, NJ 07981
Phone: 862-404-3000
Email: jerry.samuels@bayer.com
www.xofigo-us.com

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1 Prestige Lane
Bristol, CT 06010
Phone: 1-800-233-5539
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<table>
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<tr>
<th>Name</th>
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<th>Address</th>
<th>Phone</th>
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<td>Beijing Top Grade Medical Equipment Co. Ltd.</td>
<td>1388</td>
<td>No. 11 Yongchang North Road, BDA Beijing, 100176 China</td>
<td>Phone: 86-106-788-5599, ext. 398 Email: <a href="mailto:mingrui.cao@topgradehc.com">mingrui.cao@topgradehc.com</a> <a href="http://www.topgradehc.com">www.topgradehc.com</a></td>
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<td>Best Medical International, Inc.</td>
<td>418, 823, 1123</td>
<td>7643 Fullerton Road Springfield, VA 22153</td>
<td>Phone: 703-451-2378 Email: <a href="mailto:manny@teambest.com">manny@teambest.com</a> <a href="http://www.teambest.com">www.teambest.com</a></td>
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<td>Bionix Radiation Therapy</td>
<td>453</td>
<td>5154 Enterprise Boulevard Toledo, OH 43612</td>
<td>Phone: 1-800-624-6649 Email: <a href="mailto:kmclendon@bionix.com">kmclendon@bionix.com</a> <a href="http://www.bionixr.com">www.bionixr.com</a></td>
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<td>BK Ultrasound</td>
<td>755</td>
<td>8 Centennial Drive Peabody, MA 01960</td>
<td>Phone: 978-326-1300 Email: <a href="mailto:info@bkultrasound.com">info@bkultrasound.com</a> <a href="http://www.bkultrasound.com">www.bkultrasound.com</a></td>
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<td>Bogardus Medical Systems Inc.</td>
<td>361</td>
<td>3555 N. W. 58th St., Suite 500 Oklahoma City, OK 73112</td>
<td>Phone: 405-917-0500 Email: <a href="mailto:jcarlin@oncochart.com">jcarlin@oncochart.com</a> <a href="http://www.oncochart.com">www.oncochart.com</a></td>
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<td>Boiron</td>
<td>407</td>
<td>6 Campus Boulevard Newtown Square, PA 19073-3267</td>
<td>Phone: 610-325-7464</td>
<td>Email: <a href="mailto:info@carbonmed.com">info@carbonmed.com</a> <a href="http://www.biomarcfiducials.com">www.biomarcfiducials.com</a></td>
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<td>Brainlab</td>
<td>1051</td>
<td>3 Westbrook Corporate Center, Suite 400 Westchester, IL 60154</td>
<td>Phone: 708-409-1343 Email: <a href="mailto:anna.bliss@brainlab.com">anna.bliss@brainlab.com</a> <a href="http://www.brainlab.com">www.brainlab.com</a></td>
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<td>Buck Engineering &amp; Consulting GMBH</td>
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<td>Gartenstrasse 11 Reutlingen, 72764 Germany</td>
<td>Phone: 49-7121-930721-0 Email: <a href="mailto:k.hallmann@b-e-c.net">k.hallmann@b-e-c.net</a> <a href="http://www.exacure.com">www.exacure.com</a></td>
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<td>C4 Imaging LLC</td>
<td>302</td>
<td>2160 Bellflower Lane New Hope, PA 18938</td>
<td>Phone: 609-933-5895 Email: <a href="mailto:abright@c4imaging.com">abright@c4imaging.com</a> <a href="http://www.c4imaging.com">www.c4imaging.com</a></td>
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<td>Cancer CarePoint Inc.</td>
<td>332</td>
<td>17 Executive Park Drive, Suite 520 Atlanta, GA 30329</td>
<td>Phone: 1-800-998-5859 Email: <a href="mailto:jlux@cancercarepoint.com">jlux@cancercarepoint.com</a> <a href="http://www.cancercarepoint.com">www.cancercarepoint.com</a></td>
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<td>Cancer Treatment Centers of America</td>
<td>215</td>
<td>2610 Sheridan Road Zion, IL 60099</td>
<td>Phone: 847-746-4384 Email: <a href="mailto:drexa.unverzagt@ctca-hope.com">drexa.unverzagt@ctca-hope.com</a> <a href="http://www.cancercenter.com">www.cancercenter.com</a></td>
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<td>Carbon Medical Technologies</td>
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<td>1290 Hammond Rd. St. Paul, MN 55110</td>
<td>Phone: 651-653-8512 Email: <a href="mailto:info@carbonmed.com">info@carbonmed.com</a> <a href="http://www.biomarcfiducials.com">www.biomarcfiducials.com</a></td>
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<td>Carl Zeiss Meditec Inc.</td>
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<td>5160 Hacienda Drive, Dublin, CA 94568</td>
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<td>Phone: 925-557-4100, Email: <a href="mailto:info@meditec.zeiss.com">info@meditec.zeiss.com</a>, <a href="http://www.zeiss.com">www.zeiss.com</a></td>
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<td>CDR Systems Inc.</td>
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<td>#33, 235105 Wrangler Drive, SE Calgary, AB T1X 0K3 Canada</td>
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<td>Phone: 403-850-7035, Email: <a href="mailto:carldenis@cdrsys.ca">carldenis@cdrsys.ca</a>, <a href="http://www.cdrsys.ca">www.cdrsys.ca</a></td>
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<td>Cemar Electro Inc.</td>
<td>185</td>
<td>1370 55th Avenue, Lachine, QC H8T 3J8 Canada</td>
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<td>Phone: 514-631-5807, Email: <a href="mailto:wilson@cemarelectro.com">wilson@cemarelectro.com</a></td>
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<td>Central Care Cancer Center</td>
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<td>2337 East Crawford Street, Salina, KS 67401</td>
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<td>Churchill Consulting Inc.</td>
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<td>384 Route 148, Killingworth, CT 06419</td>
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<td>Phone: 860-663-5630, Email: <a href="mailto:deb@churchillconsulting.com">deb@churchillconsulting.com</a>, <a href="http://www.churchillconsulting.com">www.churchillconsulting.com</a></td>
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<td>Cianna Medical</td>
<td>115</td>
<td>6 Journey, Suite 125, Aliso Viejo, CA 92656</td>
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<td>Phone: 949-360-0059, Email: <a href="mailto:customercare@ciannamedical.com">customercare@ciannamedical.com</a>, <a href="http://www.ciannamedical.com">www.ciannamedical.com</a></td>
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<td>CIRS</td>
<td>374</td>
<td>2428 Almeda Ave, Suite 316, Norfolk, VA 23513</td>
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<td>Phone: 757-855-2765, Email: <a href="mailto:info@cirsinc.com">info@cirsinc.com</a>, <a href="http://www.cirsinc.com">www.cirsinc.com</a></td>
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<td>CivaTech Oncology</td>
<td>1626</td>
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<td>Phone: 919-815-0238, Email: <a href="mailto:sbabcock@civatechoncology.com">sbabcock@civatechoncology.com</a>, <a href="http://www.civatechoncology.com">www.civatechoncology.com</a></td>
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<td>CIVCO Medical Solutions</td>
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<td>Phone: 712-737-8688, Email: <a href="mailto:info@civco.com">info@civco.com</a>, <a href="http://www.civco.com">www.civco.com</a></td>
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<td>9500 Euclid Avenue, R32, Cleveland, OH 44195</td>
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<td>Phone: 216-444-6931, Email: <a href="mailto:mineffv@ccf.org">mineffv@ccf.org</a>, clevelandclinic.org/cancer</td>
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<td>Cold Shot Chillers</td>
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<td>14020 Interdrive West, Houston, TX 77032</td>
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<td>Phone: 281-227-8400, Email: <a href="mailto:bcasto@waterchillers.com">bcasto@waterchillers.com</a>, <a href="http://www.waterchillers.com">www.waterchillers.com</a></td>
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<td>C-RAD Inc.</td>
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<td>CYRPA International SPRL</td>
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<td>Belgium, Phone: 32-(0)2-344-05-94, Email: <a href="mailto:contact@cyrpa.com">contact@cyrpa.com</a>, <a href="http://www.cyrpa.com">www.cyrpa.com</a></td>
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<td>Equicare Health Inc.</td>
<td>1769</td>
<td>201-2020 Yukon St. Vancouver, BC V5Y 3N8 Canada</td>
<td>604-398-2956</td>
<td><a href="mailto:rachel.richardson@equicarehealth.com">rachel.richardson@equicarehealth.com</a></td>
<td><a href="http://www.equicarehealth.com">www.equicarehealth.com</a></td>
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<td>Everson Tesla Inc.</td>
<td>372</td>
<td>615 Daniels Road Nazareth, PA 18064 Phone: 610-216-6279 Email: <a href="mailto:tstenulis@eversontesla.com">tstenulis@eversontesla.com</a></td>
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<td><a href="http://www.eversontesla.com">www.eversontesla.com</a></td>
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<td>Focal Therapeutics</td>
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<td>30 Enterprise, Suite 220 Aliso Viejo, CA 92656 Phone: 949-600-5050 Email: <a href="mailto:bdriscoll@focalrx.com">bdriscoll@focalrx.com</a></td>
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<td>Foss Therapy Services Inc</td>
<td>239</td>
<td>8794 Avalon St. Alta Loma, CA 91701 Phone: 909-980-6229 Email: <a href="mailto:ftsinc@roadrunner.com">ftsinc@roadrunner.com</a></td>
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<td>Full Circle PR</td>
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<td>8370 W. Hillsborough Ave., Suite 206 Tampa, FL 33615 Phone: 813-887-3277 Email: <a href="mailto:info@fullcircle-pr.com">info@fullcircle-pr.com</a></td>
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<td>Galena Biopharma</td>
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<td>310 North State Street, Suite 208 Lake Oswego, OR 97034 Phone: 855-855-4253</td>
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<td><a href="http://www.galenabiopharma.com">www.galenabiopharma.com</a></td>
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<td>GE Healthcare</td>
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<td>Genomic Health Inc.</td>
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<td>301 Penobscot Drive Redwood City, CA 94063 Phone: 1-866-662-6897 Email: <a href="mailto:customerservice@genomichealth.com">customerservice@genomichealth.com</a></td>
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<td><a href="http://www.oncotypedx.com">www.oncotypedx.com</a></td>
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<td>Gold Anchor</td>
<td>702</td>
<td>702 Vassvagen 21 Huddinge, 14139 Sweden Phone: +46-706-105-411 Email: <a href="mailto:samuel.naslund@fineneedlemarker.com">samuel.naslund@fineneedlemarker.com</a></td>
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<td>GuangZhou Raydose Software Technology, LLC</td>
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Email: sales@glvac.cn
www.glvac.com

Landauer Inc.  474
2 Science Road
Glenwood, IL 60425
Phone: 1-877-476-8433
Email: info@landauermp.com
www.landauermp.com

LAP of America Laser Applications  1329
161 Commerce Rd., Suite 3
Boynton Beach, FL 33426
Phone: 561-416-9250
Email: tava@lap-laser.com
www.lap-laser.com/medical-systems/
<table>
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<th>Company Name</th>
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<th>Address</th>
<th>Phone</th>
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<tr>
<td>Leoni CIA Cable Systems S.A.S.</td>
<td>685</td>
<td>5, avenue Victor Hugo, ZAC du Jardin d’Entreprises</td>
<td>0033-237333204</td>
<td><a href="mailto:samuel.pinault@leoni.com">samuel.pinault@leoni.com</a></td>
<td><a href="http://www.leoni-healthcare.com">www.leoni-healthcare.com</a></td>
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<tr>
<td>Liberty Medical Inc.</td>
<td>969</td>
<td>22135 Davis Dr. #112, Sterling, VA 20164</td>
<td>1-888-257-2408</td>
<td><a href="mailto:rwittmer@libertymedicalinc.com">rwittmer@libertymedicalinc.com</a></td>
<td><a href="http://www.libertymedicalinc.com">www.libertymedicalinc.com</a></td>
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<td>LifeLine Software Inc.</td>
<td>1536</td>
<td>2407 Pemberton Place, Austin, TX 78703</td>
<td>1-866-592-1343</td>
<td><a href="mailto:sales@lifelinesoftware.com">sales@lifelinesoftware.com</a></td>
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<tr>
<td>LinaTech LLC</td>
<td>129</td>
<td>1294 Kifer Road, Suite 705, Sunnyvale, CA 94086</td>
<td>408-733-2051</td>
<td><a href="mailto:corynorris@linatech.com">corynorris@linatech.com</a></td>
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<tr>
<td>Linbeck Group LLC</td>
<td>244</td>
<td>3900 Essex, Suite 1200, Houston, TX 77027</td>
<td>713-621-2350</td>
<td><a href="mailto:cfredrickson@linbeck.com">cfredrickson@linbeck.com</a></td>
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<td>MACROMEDICS BV</td>
<td>1571</td>
<td>Kouwe Hoek 18, Waddinxveen, 2741 PX, Netherlands</td>
<td>31-018-238-9777</td>
<td><a href="mailto:info@macromedics.com">info@macromedics.com</a></td>
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<td>MagnetTx Oncology Solutions</td>
<td>1968</td>
<td>PO Box 968, Franklin, TN 37065</td>
<td>615-218-1607</td>
<td><a href="mailto:tom.rhea@physicsdesign.com">tom.rhea@physicsdesign.com</a></td>
<td><a href="http://www.linac-mr">www.linac-mr</a></td>
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<td>Math Resolutions LLC</td>
<td>3503</td>
<td>5975 Gales Lane, Columbia, MD 21045</td>
<td>410-997-9578</td>
<td><a href="mailto:samoakquick@gmail.com">samoakquick@gmail.com</a></td>
<td><a href="http://www.dosimetrycheck.com">www.dosimetrycheck.com</a></td>
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<td>Mayo Clinic</td>
<td>233</td>
<td>200 First Street, SW, Rochester, MN 55902</td>
<td>507-284-4873</td>
<td><a href="mailto:ryno.patricia@mayo.edu">ryno.patricia@mayo.edu</a></td>
<td><a href="http://www.mayoclinic.org">www.mayoclinic.org</a></td>
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<td>Merck &amp; Co. Inc.</td>
<td>989</td>
<td>351 N. Sunneytown Pike, Mailstop: UG 3AB-18, N. Wales, PA 19454</td>
<td>267-305-3180</td>
<td><a href="mailto:info@mevion.com">info@mevion.com</a></td>
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<td>Mevion Medical Systems</td>
<td>650</td>
<td>300 Foster Street, Littleton, MA 01460</td>
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<td>Miaderm at Aiden Industries</td>
<td>304</td>
<td>2412 Calle San Miguel, Encinitas, CA 92024</td>
<td>617-461-5959</td>
<td><a href="mailto:plinson@post.harvard.edu">plinson@post.harvard.edu</a></td>
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<td>Micropos Medical AB</td>
<td>1774</td>
<td>Stena Center 1, Gothenburg, 41292, Sweden</td>
<td>+46 31 772 80 99</td>
<td><a href="mailto:info@micropos.se">info@micropos.se</a></td>
<td><a href="http://www.micropos.se">www.micropos.se</a></td>
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<td>MIM Software</td>
<td>223</td>
<td>25800 Science Park Drive, Suite 180, Cleveland, OH 44122</td>
<td>216-455-0600</td>
<td><a href="mailto:info@mimsoftware.com">info@mimsoftware.com</a></td>
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<td>Mirada Medical</td>
<td>1089</td>
<td>999 18th Street, Ste. 2230 S, Denver, CO 80202</td>
<td>330-379-9228</td>
<td><a href="mailto:support@mirada-medical.com">support@mirada-medical.com</a></td>
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<td>Mission Search</td>
<td>328</td>
<td>2203 N. Lois Ave, Suite 1225, Tampa, FL 33607</td>
<td>813-870-9500</td>
<td><a href="mailto:info@missionsearchusa.com">info@missionsearchusa.com</a></td>
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<td>Mitsubishi Electric</td>
<td>1782</td>
<td>530 Keystone Drive, Warrendale, PA 15086-7537</td>
<td>724-742-3422</td>
<td><a href="mailto:ryuta.taniguchi@meppi.com">ryuta.taniguchi@meppi.com</a></td>
<td><a href="http://www.mitsubishielectric.com/bu/particlebeam/index.html">www.mitsubishielectric.com/bu/particlebeam/index.html</a></td>
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<tr>
<td>Mobius Medical Systems</td>
<td>3600</td>
<td>5012 Tamarisk Street, Bellaire, TX 77401</td>
<td>1-888-263-8541</td>
<td><a href="mailto:neal@mobiusmed.com">neal@mobiusmed.com</a></td>
<td><a href="http://www.mobiusmed.com">www.mobiusmed.com</a></td>
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<td>Modus Medical Devices Inc.</td>
<td>358</td>
<td>1570 North Routledge Park, London, ON N6H 5L6, Canada</td>
<td>519-438-2409</td>
<td><a href="mailto:info@modusmed.com">info@modusmed.com</a></td>
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<td>Monteris Medical</td>
<td>604</td>
<td>16305 36th Avenue North Suite 200, Plymouth, MN 55446</td>
<td>719-649-6967</td>
<td><a href="http://www.monteris.com">www.monteris.com</a></td>
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<td>MPM Medical Inc.</td>
<td>333</td>
<td>2301 Crown Ct., Irving, TX 75038</td>
<td>972-893-4090</td>
<td><a href="mailto:mary.jones@mpmmed.com">mary.jones@mpmmed.com</a></td>
<td><a href="http://www.mpmmed.com">www.mpmmed.com</a></td>
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<tr>
<td>MuCheck-Oncology Data Systems</td>
<td>867</td>
<td>1601 SW 89th Street, E-100, Oklahoma City, OK 73159</td>
<td>405-680-5222</td>
<td><a href="mailto:admin@mucheck.com">admin@mucheck.com</a></td>
<td><a href="http://www.mucheck.com">www.mucheck.com</a></td>
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<tr>
<td>Myriad Genetic Laboratories</td>
<td>109</td>
<td>320 Wakara Way, Salt Lake City, UT 84108</td>
<td>801-584-3600</td>
<td><a href="mailto:cscomments@myriad.com">cscomments@myriad.com</a></td>
<td><a href="http://www.myriad.com">www.myriad.com</a></td>
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<tr>
<td>Nanovi Radiotherapy A/S</td>
<td>3400</td>
<td>Diplomvej 373N, Kgs. Lyngby, 2800, Denmark</td>
<td>+4538414059</td>
<td><a href="mailto:tj@nanovi.com">tj@nanovi.com</a></td>
<td><a href="http://www.nanovi.com">www.nanovi.com</a></td>
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NELCO 444
2 Burlington Woods Dr, Suite 300
Burlington, MA 01803
Phone: 781-933-1940
www.nelcoworldwide.com

Neusoft Medical Systems Import & Export Co. Ltd. 290
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http://medical.neusoft.com

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www.thinkosi.com

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Email: inquiry@osl-usa.com
www.osl-usa.com/rte.asp

Oncura, a GE Healthcare Company 609
3350 North Ridge Ave.
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Phone: 1-800-228-0126
Email: jim.clarkin@ge.com
www.ge.com

OpenTempo 301
296 Avenue D, Suite 15
Williston, VT 05602
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Email: shea.sweeney@opentempo.com
www.opentempo.com

Orfit Industries America 1378
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Jericho, NY 11753
Phone: 516-935-8500
Email: martinj.ratner@orfit.com
www.orfit.com

Oxford Instruments Services 1669
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Deerfield Beach, FL 33442
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Email: healthcare@oxinst.com
www.oxford-instruments.com/healthcare

PalabraApps 1874
Seattle, WA
Phone: 425-829-5901

Patient Relationship Management (PRM) 402
920 Second Avenue South, Suite 825
Minneapolis, MN 55402
Phone: 952-239-0411
Email: info@prmplatform.com
www.prmplatform.com
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<td>P-Cure Ltd.</td>
<td>286</td>
<td>Deerfield, IL 60015</td>
<td>Phone: 847-874-7771, Email: <a href="mailto:israel.raz@p-cure.com">israel.raz@p-cure.com</a>, <a href="http://www.p-cure.com">www.p-cure.com</a></td>
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<tr>
<td>Phantom Laboratory</td>
<td>314</td>
<td>PO Box 511, Salem, NY 12865</td>
<td>Phone: 518-692-1190, Email: <a href="mailto:levy@phantomlab.com">levy@phantomlab.com</a>, <a href="http://www.phantomlab.com">www.phantomlab.com</a></td>
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<tr>
<td>Philips</td>
<td>1350</td>
<td>Andover, MA 01810</td>
<td>Phone: 1-800-229-6417, Email: <a href="mailto:marcia.haskell@philips.com">marcia.haskell@philips.com</a>, <a href="http://www.philips.com/healthcare">www.philips.com/healthcare</a></td>
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<td>Pitts Little Corp.</td>
<td>415</td>
<td>Birmingham, AL 35210</td>
<td>Phone: 205-833-5911, Email: <a href="mailto:sales@pittslittle.com">sales@pittslittle.com</a>, <a href="http://www.pittslittle.com">www.pittslittle.com</a></td>
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<tr>
<td>Precision X-ray</td>
<td>608</td>
<td>North Branford, CT 06471</td>
<td>Phone: 203-484-2011, Email: <a href="mailto:wmclaughlin@pxinc.com">wmclaughlin@pxinc.com</a>, <a href="http://www.pxinc.com">www.pxinc.com</a></td>
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<td>Precisis Euromechanics GmbH</td>
<td>230</td>
<td>Heidelberg, Germany</td>
<td>Phone: 49-622-165-59329, Email: <a href="mailto:info@pe-collimators.com">info@pe-collimators.com</a>, <a href="http://www.pe-collimators.com">www.pe-collimators.com</a></td>
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<tr>
<td>Preferred Healthcare</td>
<td>2168</td>
<td>9089 Clairemont Mesa Blvd., #200, San Diego, CA 92123</td>
<td>Phone: 858-810-8623, Email: <a href="mailto:coo@preferredregistry.com">coo@preferredregistry.com</a>, <a href="http://www.preferredhealthcarestaffing.com">www.preferredhealthcarestaffing.com</a></td>
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<td>PRO Rad Onc</td>
<td>108</td>
<td>111 Continental Drive, Suite 412, Newark, DE 19713</td>
<td>Phone: 203-530-4548, Email: <a href="mailto:mstewart@proradiationoncology.com">mstewart@proradiationoncology.com</a>, <a href="http://www.proradiationoncology.com">www.proradiationoncology.com</a></td>
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<td>ProNova Solutions</td>
<td>250</td>
<td>6450 Provision Cares Way, Knoxville, TN 37909</td>
<td>Phone: 865-321-4544, Email: <a href="mailto:martina.sturgill@provisionhp.com">martina.sturgill@provisionhp.com</a>, <a href="http://www.pronovasolutions.com">www.pronovasolutions.com</a></td>
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<td>ProTechSure Scientific, Inc.</td>
<td>403</td>
<td>Bioscience Park Center at Fitzsimmons, 12635 E. Montview Ave., Aurora, CO 80045</td>
<td>Phone: 720-859-3548, Email: <a href="mailto:info@difinsa53.com">info@difinsa53.com</a>, <a href="http://www.difinsa53.com">www.difinsa53.com</a></td>
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<tr>
<td>ProTom International</td>
<td>1085</td>
<td>1100 Parker Square, Ste. 230, Flower Mound, TX 75028</td>
<td>Phone: 905-502-4032, Email: <a href="mailto:ssledge@protominternational.com">ssledge@protominternational.com</a>, <a href="http://www.protominternational.com">www.protominternational.com</a></td>
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<td>Prowess Inc.</td>
<td>1371</td>
<td>1844 Clayton Road, Concord, CA 94520</td>
<td>Phone: 925-356-0360, Email: <a href="mailto:sharon.springorum@prowess.com">sharon.springorum@prowess.com</a>, <a href="http://www.prowess.com">www.prowess.com</a></td>
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<tr>
<td>PTW-New York</td>
<td>140</td>
<td>140 58th Street Suite 5H3 Brooklyn, NY 11220</td>
<td>516-827-3181</td>
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<td>Pyrexar Medical</td>
<td>1753</td>
<td>1825 West Research Way, Ste. E Salt Lake City, UT 84119</td>
<td>844-797-3927</td>
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<td>Qfix</td>
<td>426</td>
<td>440 Church Road Avondale, PA 19311</td>
<td>1-800-526-5247-713</td>
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<td>QGenda Inc.</td>
<td>140</td>
<td>3340 Peachtree Road, NE, Suite 1100 Atlanta, GA 30326</td>
<td>770-399-9945</td>
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<td>QLRAD Inc.</td>
<td>1672</td>
<td>80 South West 8th Street, Suite 2000 Miami, FL 33130</td>
<td>770-335-5601</td>
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<td>RAD Technology Medical Systems</td>
<td>1336</td>
<td>20801 Biscayne Blvd., Suite 403 Aventura, FL 33180</td>
<td>305-898-2544</td>
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<td>RadiaDyne</td>
<td>1971</td>
<td>2313 W. Sam Houston Parkway N., Suite 107 Houston, TX 77043</td>
<td>281-759-9600</td>
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<td>Radiation Business Solutions</td>
<td>1574</td>
<td>1044 Jackson Felts Road Joelton, TN 37080</td>
<td>615-746-4711</td>
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<td>Radiation Products Design Inc.</td>
<td>655</td>
<td>5218 Barthel Industrial Drive Albertville, MN 55301</td>
<td>763-497-2071</td>
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<td>Radiological Imaging Technology - RIT</td>
<td>1375</td>
<td>5065 List Dr. Colorado Springs, CO 80919-3321</td>
<td>719-590-1077</td>
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<td>Radiological Society of North America (RSNA)</td>
<td>243</td>
<td>820 Jorie Boulevard Oak Brook, IL 60523</td>
<td>630-571-2670</td>
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<td>Radiology Oncology Systems Inc.</td>
<td>235</td>
<td>6450 Lusk Blvd, Suite E205 San Diego, CA 92121</td>
<td>858-454-8100</td>
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<tr>
<td>RaySearch Laboratories AB</td>
<td>467</td>
<td>401 Franklin Ave, Suite 100 A Garden City, NY 11530</td>
<td>1-877-778-3849</td>
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<td>Remetronix</td>
<td>1629</td>
<td>2172 NW Reserve Park Trace Port Saint Lucie, FL 34986 Phone: 1-800-875-0856 Email: <a href="mailto:russ.knowles@remetronix.com">russ.knowles@remetronix.com</a> <a href="http://www.remetronix.com">www.remetronix.com</a></td>
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<td>Revenue Cycle, Inc.</td>
<td>706</td>
<td>1817 West Braker Lane, Bldg. F Suite 200 Austin, TX 78758 Phone: 512-583-2000 Email: <a href="mailto:info@revenuecycleinc.com">info@revenuecycleinc.com</a> <a href="http://www.revenuecycleinc.com/">www.revenuecycleinc.com/</a></td>
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<td>RS&amp;A, Inc.</td>
<td>1323</td>
<td>465 Forum Parkway Rural Hall, NC 27045 Phone: 336-969-0583 Email: <a href="mailto:sales@rsainc.net">sales@rsainc.net</a> <a href="http://www.rsa-inc.com">www.rsa-inc.com</a></td>
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<td>RTOG Foundation</td>
<td>990</td>
<td>1818 Market St., Suite 1720 Philadelphia, PA 19103 Phone: 215-717-0843 Email: <a href="mailto:shartson@acr.org">shartson@acr.org</a> <a href="http://www.rtog.org">www.rtog.org</a></td>
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<td>RTsafe P.C.</td>
<td>141</td>
<td>Dodekanisou 18 - Alimos Athens, 17456 Greece Phone: +306946504731 Email: <a href="mailto:info@rt-safe.com">info@rt-safe.com</a> <a href="http://www.rt-safe.com">www.rt-safe.com</a></td>
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<td>S+S Par Scientific</td>
<td>414</td>
<td>10625 Telge Road Houston, TX 77095 Phone: 281-815-1300 Email: <a href="mailto:tj@parscientific.com">tj@parscientific.com</a> www_parscientific.com</td>
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<td>Samsung</td>
<td>3500</td>
<td>Samsung Main Bldg., 250, 2-GA, Taepyungro, Junct.-CTU Seoul, 100-742 Korea (South) Phone: 822-751-2594</td>
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<tr>
<td>ScandiOS</td>
<td>847</td>
<td>UPPS Uppsala, 75183 Sweden Phone: 608-630-9415 Email: <a href="mailto:sales@scandidos.com">sales@scandidos.com</a> <a href="http://www.scandidos.com">www.scandidos.com</a></td>
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<td>Sensus Healthcare</td>
<td>885</td>
<td>851 Broken Sound Pkwy #215 Boca Raton, FL 33487 Phone: 1-800-324-9890 Email: <a href="mailto:info@sensushealthcare.com">info@sensushealthcare.com</a> <a href="http://www.sensushealthcare.com/">www.sensushealthcare.com/</a></td>
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<tr>
<td>Shandong Xinhua Medical Instruments Co., Ltd.</td>
<td>481</td>
<td>No. 7 Taimei Road, Zibo New &amp; Hi - Tech Zone Shandong, 255086 China Phone: 86-533-358-7719 Email: <a href="mailto:xhliping@hotmail.com">xhliping@hotmail.com</a> <a href="http://www.shinva.com">www.shinva.com</a></td>
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<tr>
<td>Sheffield Hallam University</td>
<td>591</td>
<td>F408 Robert Winston Building, 11-15 Broomhall Road Sheffield, S10 2DN United Kingdom Phone: 01-142-255-683</td>
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<td>Shenzhen Tengfei Yu Technology Co. Ltd.</td>
<td>242</td>
<td>Guanghao Industry Zone Office Building 201, Yunfeng Rd, Longhua New District, Shenzhen Shenzhen, 518109 China Phone: 86-755-83120094 Email: <a href="mailto:christy@tfy-medical.com">christy@tfy-medical.com</a> <a href="http://www.tfy-medical.com">www.tfy-medical.com</a></td>
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Shielding Construction Solutions Inc. 623
4620 S. Coach Drive
Tucson, AZ 85714
Phone: 520-838-0961
Email: info@shieldingconstruction.com
www.shieldingconstruction.com

Siemens Medical Solutions USA Inc. 432
40 Liberty Boulevard
Malvern, PA 19355
Phone: 914-524-5168
Email: kaiyane.bynoe@siemens.com
www.medical.siemens.com

Siris Medical 228
257 Castro St.
Mountain View, CA 94041
Phone: 860-214-9284
Email: carpenter@siris-medical.com
www.siris-medical.com

Sirtex Medical Inc. 342
300 Unicorn Park Drive
Woburn, MA 01801
Phone: 888-474-7839
Email: nmaki@sirtex.com
www.sirtex.com

Sky Factory 1671
801 N. 18th Street, PO Box 1177
Fairfield, IA 52556
Phone: 641-472-1747
Email: info@skyfactory.com
www.skyfactory.com

Sons Automation 179
2160 Elk Creek Road
Erie, PA 16509
Phone: 814-450-4586
www.sonsautomation.com

SPEC-MED 1667
113 Teal St.
St. Rose, LA 70087
Phone: 504-464-9471
Email: ward@spec-med.com
www.spec-med.com

Spectrum Pharmaceuticals Inc. 506
11500 S. Eastern Avenue #240
Henderson, NV 89052
Phone: 702-835-6300
Email: info@sppirx.com
www.sppirx.com

Springer 408
233 Spring Street
New York, NY 10013
Phone: 212-460-1500
Email: exhibits-ny@springer.com
www.springer.com

Standard Imaging 1332
3120 Deming Way
Middleton, WI 53562
Phone: 1-800-261-4446
Email: asimon@standardimaging.com
www.standardimaging.com

Sumitomo Heavy Industries Ltd. 1772
Think Park Tower 1-1, Osaki 2-chome,
Shinagawa
Tokyo, Japan 141-6025
Japan
Phone: 81-3-6737-2566
Email: shn_masui@shi.co.jp
www.shi.co.jp/english

Sun Nuclear Corporation 1071
3275 Suntree Blvd.
Melbourne, FL 32940
Phone: 321-259-6862
Email: luisrivera@sunnuclear.com
www.sunnuclear.com

Spec-Med
Suremark Company 503
4645 Industrial Street, 2C
Simi Valley, CA 93063
Phone: 1-800-406-3399
Email: customerservice@suremark.com
www.suremark.com

Synergen Health 1657
3131 McKinney Avenue
Dallas, TX 75204
Phone: 214-952-6602
Email: mgun@synergenhealth.com
www.synergenhealth.com

Theragenics Corporation 471
5203 Bristol Industrial Way
Buford, GA 30518
Phone: 770-831-5137
Email: roeslerj@theragenics.com
www.theragenics.com

Toshiba Medical Systems 1367
2441 Michelle Drive
Tustin, CA 92780-7043
Phone: 714-669-4190
Email: dkemp@tams.com
www.medical.toshiba.com

TRG Oncology Equipment 341
5318 E. 2nd Street, #682
Long Beach, CA 90803
Phone: 949-622-0022
Email: info@trgoe.com
www.oncologyequipment.com

Vantage Oncology 477
1500 Rosecrans Avenue, Suite 400
Manhattan Beach, CA 90266
Phone: 310-335-4000
Email: info@vantageoncology.com
www.vantageoncology.com

Varian Medical Systems 828, 832
3100 Hansen Way
Palo Alto, CA 94304
Phone: 650-424-5927
Email: robert.capuzelo@varian.com
www.varian.com

Veritas Medical Solutions 280, 3200
160 Cassell Road
Harleysville, PA 19438
Phone: 484-991-8928
Email: info@veritas-medicalsolutions.com
www.veritas-medicalsolutions.com

Vertual Ltd. 1326
Logistics Institute
Hull, UK HU6 7RX
United Kingdom
Phone: 44-148-234-7572
Email: sales@vertual.co.uk
www.vertual.co.uk

ViewRay Inc. 318
2 Thermo Fisher Way
Oakwood Village, OH 44146
Phone: 408-368-2244
Email: mbrandt@viewray.com
www.viewray.com

Vision RT Ltd. 671
8840 Stanford Boulevard, Suite 3200
Columbia, MD 21045
Phone: 1-866-778-2379
Email: sales@visionrt.com
www.visionrt.com

VisionTree Software Inc. 589
8885 Rio San Diego Dr., #220
San Diego, CA 92108
Phone: 619-295-2800
www.visiontree.com
Water-Jel International 1655
3&4 The Mead Business Centre,
Mead Lane
Hertford, Hertfordshire SG13 7BJ
United Kingdom
Phone: +44 1992583222
Email: jdomanski@waterjel.com
www.radiotherapytreatment.com

Wolters Kluwer 500
Two Commerce Sq, 2001 Market Street
Philadelphia, PA 19103
Phone: 215-521-8300
Email: customerservice@lww.com
www.lww.com

Xcision Medical Systems, LLC 1789
9176 Red Branch Road, Suite O
Columbia, MD 21045
Phone: 443-681-7462
Email: michelle.crawley@xcision.com
www.xcision.com

Xecan 405
275 Grove Street, Bldg. 2, Suite 400
Newton, MA 02466
Phone: 617-686-9953

Xoft-a subsidiary of iCAD, Inc. 423
101 Nicholson Lane
San Jose, CA 95134
Phone: 408-493-1500
Email: dbreault@icadmed.com
www.xoftinc.com

Xstrahl Limited 855
480 Brogdon Road, Suite 100
Suwanee, GA 30024
Phone: 678-482-6800
Email: support@xstrahl.com
www.xstrahl.com

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**LEGEND**

- A: Ambassador
- G: Gold Sponsor
- S: Silver Sponsor
- B: Bronze Sponsor
- C: Copper Sponsor
- R: Enhanced ROMarketPlace Listing

*Corporate members in bold.*
## Exhibitor Listing by Product/Service

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### EMR/DATA MANAGEMENT/IT

- Bogardus Medical Systems Inc. 361
- Churchill Consulting Inc. 329
- Equicare Health Inc. 1769
- Patient Relationship Management (PRM) 402
- Synergen Health 1657
- Varian Medical Systems 828, 832
- Veritas Medical Solutions 280, 3200
- VisionTree Software Inc. 589

### FACILITY CONSTRUCTION/DESIGN

- architecture 967
- H&H Design-Build 338
- IBA SA 1342
- James L. Davis 339
- Linbeck Group LLC 244
- NELCO 444
- Pitts Little Corp. 415
- RAD Technology Medical Systems 1336
- Shielding Construction Solutions Inc. 623
- Sky Factory 1671
- Veritas Medical Solutions 280, 3200

### FINANCIAL/INSURANCE

- Alliance Oncology 1561
- American Medical Accounting and Consulting (AMAC) 756
- Churchill Consulting Inc. 329
- PRO Rad Onc 108
- Radiation Business Solutions 1574
- Revenue Cycle Inc. 706
- Synergen Health 1657

### IMAGING/DIAGNOSTICS

- Acceletronics 1355
- AQUILAB 1674
- Beijing Top Grade Medical Equipment Co. Ltd. 1388
- BK Ultrasound 755
- DIACOR 1362
- GE Healthcare 1128
- Genomic Health Inc. 704
- Hermes Medical Solutions Inc. 144
EXHIBITOR LISTING BY PRODUCT/SERVICE (CONT.)

Hitachi Aloka Medical 1786
MagnetTx Oncology Solutions 1968
Math Resolutions LLC 3503
MIM Software 223
Nanovi Radiotherapy A/S 3400
Oncology Systems Limited 277
Oxford Instruments Services 1669
P-Cure Ltd. 286
Philips 1350
PTW-New York 1677
Radiology Oncology Systems, Inc. 235
Siemens Medical Solutions USA Inc. 432
Toshiba Medical Systems 1367
Xoft—a subsidiary of iCAD Inc. 423
Xstrahl Limited 855

INFORMATION/TECHNOLOGY

Bogardus Medical Systems Inc. 361
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Hermes Medical Solutions Inc. 144
Patient Relationship Management (PRM) 402
QGenda, Inc. 140
Siemens Medical Solutions USA Inc. 432
Varian Medical Systems 828, 832
V rental Ltd. 1326
VisionTree Software Inc. 589

MEDICAL DEVICE

A2J Healthcare 134
ABL Medical 2170
AccuBoost 486
Ancer Medical 489
Augmenix 508
BK Ultrasound 755
Buck Engineering & Consulting GMBH 689
C4 Imaging LLC 302
Carbon Medical Technologies 603
Carl Zeiss Meditec Inc. 1359
CDR Systems Inc. 1734
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### PATIENT HANDLING/POSITIONING

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| Dara BioSciences 889 |
| INSYS Therapeutics Inc. 2174 |
| Merck & Co. Inc. 989 |
| Miaderm at Aiden Industries 304 |
| Sirtex Medical Inc. 342 |
| Spectrum Pharmaceuticals Inc. 506 |

**PRACTICE MANAGEMENT**

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| Alliance Oncology 1561 |
| American Medical Accounting and Consulting (AMAC) 756 |
| e+CancerCare 700 |
| Full Circle PR 316 |
| OpenTempo 301 |
| Patient Relationship Management (PRM) 402 |
| PRO Rad Onc 108 |
| QGenda, Inc. 140 |
| Radiation Business Solutions 1574 |
| Revenue Cycle Inc. 706 |
| Vantage Oncology 477 |
| VisionTree Software Inc. 589 |

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| American Society of Clinical Oncology (ASCO) 216 |
| Radiological Society of North America (RSNA) 243 |
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Exhibit Hall Floor Plan

ENTRANCE

ENTRANCE

Food Cafe

EXHIBITOR SERVICE CENTER

EXHIBITOR SALES OFFICE AND LOUNGE
The only medical specialty society-sponsored incident learning system for radiation oncology.

The RO-ILS mission is to facilitate safer and higher-quality care in radiation oncology by providing a mechanism for shared learning in a secure and non-punitive environment.

Established just a year ago, RO-ILS currently has more than 150 facilities participating.

Become a champion of safety – ENROLL NOW!

www.astro.org/ROILS
Why APEx?

- An objective evaluation, based on measurable, evidence-and consensus-based standards.
- A comprehensive self-assessment* that will help determine readiness for evaluation.
- A focus on evaluating a practice’s systems, policies and procedures through a defined set of standards.
- Surveyors who receive comprehensive competency-based education and who are matched to the facility’s systems and equipment.

www.astro.org/apex

*The APEx Facility Self-assessment PQI template is qualified by the American Board of Radiology in meeting the criteria for practice quality improvement toward the purpose of fulfilling requirements in the ABR Maintenance of Certification program. The activity was qualified on April 23, 2015.
Recognizing ASTRO’s 2015 Corporate Members

21st Century Oncology
Acceletronics/Rad Parts
Accuray Incorporated
a-fabco Inc.
Aktina Medical Corporation
Alliance Oncology
American Medical Accounting and Consulting (AMAC)
Amgen Inc.
Anatom-e XRT Information Systems Ltd.
arachneation PLLC
Augmenix Inc.
Bayer HealthCare
Pharmaceuticals
Bogardus Medical Systems Inc.
Brainlab Inc.
Bristol-Myers Squibb
C. R. Bard Inc.
Cancer CarePoint Inc.
Carl Zeiss Meditec Inc.
Cianna Medical
CIRS Inc.
CivaTech Oncology Inc.
CIVCO Medical Solutions
CompHealth Locum Tenens
C-Rad, Inc.
D3 Oncology Solutions
Desert Harvest
e+CancerCare
Eckert & Ziegler BEBIG Inc.
Eleka Inc.
Equicare Health Inc.
Everson Tesla Inc.
GE Healthcare
Genomic Health Inc.
Gold Anchor (Naslund Medical)
Hitachi Ltd.
Hologic Inc.
IBA
IntraOp Medical Corporation
Iron Medical Systems Inc.
iRT Systems GmbH
IsoAid LLC
IsoRay Medical Inc.
James L. Davis Inc.
Klarity Medical Products LLC
Kobold LLC
LAP of America LLC
Leoni CIA Cable Systems S.A.S.
LifeLine Software Inc.
Mevion Medical Systems
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Prowess Inc.
PTW-New York
Qfix
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Radiation Business Solutions
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