



NOTE: Agenda Subject To Change

**WEDNESDAY, JUNE 15, 2016**

2:00 - 5:00 PM Registration

2:00 - 7:00 PM Exhibitor Set-Up

**THURSDAY, JUNE 16, 2016**

6:30 - 7:00 AM Continental Breakfast / Coffee with Exhibitors

**GENERAL SESSION**

7:00 - 7:30 AM Welcome & Introductions  
*Richard D. Bucholz, MD - St. Louis University, St. Louis, MO and President of the Board of Directors of the Radiosurgery Society*

**CLINICAL SESSION: Continuous Education applicable for Physicians, Nurses and Therapists  
 SRS/SBRT for Intracranial Lesions**

Moderators: *Ronald Beaney, MD - Harley Street Clinic, London, United Kingdom and Alexander Muacevic, MD - European CyberKnife Center, Munich, Munich, Germany*

- 7:30 - 7:40 AM Long-term survivorship following stereotactic radiosurgery alone for brain metastases: risk of intracranial failure and implications for surveillance and counselling  
*Emile Gogineni, DO - Northwell Health, Hempstead, NY*
- 7:40 - 7:50 AM Prospective Study of Hypofractionated Stereotactic Radiotherapy (HFRT) with Erlotinib for Brain Metastases  
*Ming Zeng, MD - Sichuan Academy of Medical Sciences and Provincial Hospital*
- 7:50 - 8:00 AM Outcomes Following Stereotactic Radiosurgery for the Treatment of Sarcomatous Brain Metastasis  
*Tobias R. Chapman, MD, MPharmacol - University of Washington, Seattle, WA*
- 8:00 - 8:10 AM Interim Analysis of a Phase II Randomized Single Blind Trial of Hypofractionated Stereotactic Radiation for Recurrent GBM.  
*Andre Chen, MD - Instituto do Câncer do Estado de São Paulo (ICESP), São Paulo, Brazil*
- 8:10 - 8:20 AM Salvage Stereotactic Radiosurgery and Hypofractionated Stereotactic Radiotherapy for Recurrent Glioblastoma Multiforme  
*Raj Singh, BS - Marshall University, Joan C. Edwards School of Medicine, Huntington, WV*
- 8:20 - 8:30 AM Radiotherapy is as Effective as Surgery in terms of Local Control in Patients with Uveal Melanoma  
*Sezin Yuce Sari, MD - Hacettepe University, Ankara, Turkey*
- 8:30 - 8:40 AM The Role of Fractionated Stereotactic Radiotherapy in the Primary Treatment of Optic Glioma and Meningioma  
*Sezin Yuce Sari, MD - Hacettepe University, Ankara, Turkey*
- 8:40 - 8:50 AM Treatment Outcomes for Typical and Atypical Trigeminal Neuralgia following Stereotactic Radiosurgery  
*Raj Singh, BS - Marshall University, Joan C. Edwards School of Medicine, Huntington, WV*
- 8:50 - 9:00 AM A Randomized Trial on the Efficacy of Topical Anesthesia on Pain Reduction during Frame Placement for Stereotactic Radiosurgery  
*Michael Schulder, MD - Northwell Health, Hempstead, NY*
- 9:00 - 9:15 AM Q&A Session for Intracranial Lesions

**SRS/SBRT for Spine**

Moderators: *Ronald Beaney, MD - Harley Street Clinic, London, United Kingdom and Alexander Muacevic, MD - European CyberKnife Center, Munich, Munich, Germany*

9:15 - 9:25 AM Palliative Management of Metastatic Spinal tumors with Spine Radiosurgery  
*Kevin Kelley, MD, PhD - Northwell Health, Hempstead, NY*

9:25 - 9:35 AM Spinal Re-irradiation by Stereotactic Body Radiotherapy (SBRT): Safety and Efficiency  
*Jessica Serrand, MD - Centre Leon Berard, Lyon, France*

9:35 - 9:45 AM Q&A Session for Spine

9:45 - 10:15 AM *Coffee Break / Visit with Exhibitors*

**SRS/SBRT for Head and Neck Tumors and Gastrointestinal Malignancies**

Moderators: *Andy Gaya, MD - Guy's & St. Thomas' NHS Trust, London, United Kingdom and Kimmen Quan, MD - Walker Family Cancer Centre/Juravinski Cancer Centre, Hamilton, Ontario, Canada*

10:15 - 10:25 AM Dose-Escalated Radiosurgery (SRS) Boost for Unfavorable Locally Advanced Oropharyngeal Cancer: Oncological and functional outcomes of Phase I/II Trial  
*Maged Ghaly, MD - Northwell Health, Hempstead, NY*

10:25 - 10:35 AM Results of Reirradiation with Stereotactic Radiotherapy in Recurrent Head and Neck Cancer  
*Sezin Yuce Sari, MD - Hacettepe University, Ankara, Turkey*

10:35 - 10:45 AM Tumor control and quality of life following organ-sparing SBRT for reirradiation of head-and-neck cancer  
*Isabella Zhang, MD - Northwell Health, Hempstead, NY*

10:45 - 10:55 AM Stereotactic Body Radiotherapy As Primary Treatment For Medically Inoperable Head And Neck Cancer  
*Maged Ghaly, MD - Northwell Health, Hempstead, NY*

10:55 - 11:05 AM Neoadjuvant Therapy for Borderline Resectable and Locally Advanced Pancreatic Cancer  
*Konstantin Kovtun, MD - Beth Israel Deaconess Medical Center, Boston, MA*

11:05 - 11:15 AM The impact of multi-agent chemotherapy and stereotactic body radiation therapy on clinical outcomes in patients with unresectable pancreatic adenocarcinoma  
*Lauren Rosati, BS - Johns Hopkins University School of Medicine, Baltimore, MD*

11:15 - 11:25 AM Stereotactic Body Radiation Therapy for Liver Metastases: A Single Institution Experience  
*David A. Asher, MD - Riverside Regional Medical Center, Newport News, VA*

11:25 - 11:45 AM Q&A Session for Head and Neck Tumors and Gastrointestinal Malignancies

11:45 AM - 1:45 PM *Lunch & Exhibit Hall Presentations*

12:00 - 12:15 PM Optimizing Prostate SBRT with the Use of Rectal Spacers  
*Michael Zelefsky, MD - **Supported by Augmenix***

12:15 - 12:30 PM A Decade of Changing Practice Patterns for Linac SRS vs Gamma Knife SRS for Brain Metastases in the US  
*Henry Park, MD, MPH - **Supported by Varian Medical Systems***

12:30- 12:45 PM Automatic Brain Metastasis Planning and Follow-up Analysis  
*Kurt Erler - **Supported by Brainlab***

12:45 - 1:00 PM Infini Rotary Gamma Ray Radiosurgical System: Development History and Description  
*Marcus Ware, MD, PhD - **Supported by MASEP***

1:00 - 1:15 PM Automating IMRT & VMAT for SBRT with Auto-Planning  
 Ted Poulton - **Supported by Philips**

### SRS/SBRT for Thoracic Tumors

Moderators: Hale Caglar, MD - Medipol University, Istanbul, Turkey and Ben J. Slotman, MD, PhD - VU Medical Center, Amsterdam, the Netherlands

- 1:45 - 1:55 PM Lung oligometastases treated with SBRT: the RSSearch Registry's 10-year experience  
 Rachele Lanciano, MD - Philadelphia CyberKnife Center, Havertown, PA
- 1:55 - 2:05 PM High-dose radiotherapy for ultracentral lung tumors in poor risk patients  
 Ben J. Slotman, MD, PhD - VU Medical Center, Amsterdam, the Netherlands
- 2:05 - 2:15 PM Are the Radiation Therapy Published Dose Constraints for Aorta and Major Vessels Valid?  
 Tamara A. LaCouture, MD - Kennedy Health Alliance, Sewell, NJ
- 2:15 - 2:25 PM The Correlation of Clinical Outcome and Radiobiological Modeling of Tumor Control Probability (TCP)  
 Sumit Sood, MD - The University of Kansas Medical Center, Kansas City, KS
- 2:25 - 2:35 PM Study on the timing and impact of surveillance imaging following treatment of early-stage NSCLC with SBRT: Do we need to image at 3 months post-completion?  
 Luqman Dad, MD - DeCesaris Cancer Institute, Anne Arundel Medical Center, Annapolis, MD
- 2:35 - 2:45 PM Does dose volume histogram (DVH) predict survival following re-irradiation with stereotactic body radiation therapy (SBRT) for primary lung cancers and lung metastases?  
 Janson Jacob, BS - Philadelphia CyberKnife Center, Havertown, PA
- 2:45 - 2:55 PM Cardiac Treatment Planning Considerations for First-in-Man CyberHeart Treatment of Atrial Fibrillation  
 Patrick Maguire, MD - CyberHeart Inc, Mountain View, CA
- 2:55 - 3:15 PM Q&A Session for Thoracic Tumors

### SRS/SBRT for Gynecological and Breast Tumors

Moderators: Jonathan Haas, MD - Winthrop University Hospital, Mineola, NY and Michael J. Zelefsky, MD - Memorial Sloan Kettering Cancer Center, New York, NY

- 3:15 - 3:25 PM Preoperative Partial Breast Irradiation with a Novel Breast-Specific Stereotactic Radiotherapy (BSRT) Device: Projected Improvements in Cosmetic Outcomes over Volumetric Modulated Arc Therapy (VMAT)  
 James W. Snider, MD - University of Maryland Medical Center, Baltimore, MD
- 3:25 - 3:35 PM Stereotactic Body Radiation Therapy (SBRT) in patients with recurrent Oligometastatic Ovarian Cancer  
 Sujith Baliga, MD - Montefiore Medical Center, Bronx, NY
- 3:35 - 3:45 PM Q&A Session for Gynecological and Breast Tumors

### SRS/SBRT for Genitourinary Tumors

Moderators: Jonathan Haas, MD - Winthrop University Hospital, Mineola, NY and Michael J. Zelefsky, MD - Memorial Sloan Kettering Cancer Center, New York, NY

- 4:00 - 4:10 PM Early Results of a Phase I Dose Escalation Study Using Stereotactic Body Radiosurgery for Patients with Clinically Localized Prostate Cancer  
 Michael J. Zelefsky, MD - Memorial Sloan Kettering Cancer Center, New York, NY
- 4:10 - 4:20 PM Prostate Fiducial Marker Placement in Patients While on Anticoagulation: Feasibility Prior to Prostate SBRT  
 Jonathan Haas, MD - Winthrop University Hospital, Mineola, NY

4:20 - 4:30 PM Phosphodiesterase-5 inhibitor use's impact on erectile and sexual function after stereotactic body radiotherapy- A preliminary report.

*David Habibian, BA - Winthrop University Hospital, Mineola, NY*

4:30 - 4:40 PM Stereotactic Body Radiation Therapy (SBRT) for Pelvic Recurrence After Pelvic Radiation

*Jessika Contreras, MD - Washington University, St. Louis, MO*

4:40 - 5:00 PM Q&A Session for Genitourinary Tumors

**Short Oral Abstracts:** Continuous Education applicable for Physicians and Nurses Only

Moderators: *Shelly Hayes, MD - Fox Chase Cancer Center, Furlong, PA and James Ruffer, MD - Lutheran General Hospital, Park Ridge, IL*

5:00 - 5:05 PM Fusing Clinical and Business Metrics: How They Unite to Improve Quality and Effect Change

*Lorri G. Smith, RN, BSN - Alliance Oncology, Nashville, TN*

5:05 - 5:10 PM CORE - Randomised trial of Conventional care versus Radioablation (stereotactic body radiotherapy (SBRT)) for Extracranial metastases

*Andy Gaya, MD - Guy's & St. Thomas' NHS Trust, London, United Kingdom*

5:10 - 5:15 PM Hypofractionated Stereotactic Body Radiotherapy for the Definitive Treatment of Sarcoma

*Mustafa Cengiz, MD - Hacettepe University, Ankara, Turkey*

5:15 - 5:20 PM Systematic Review of Published Studies on Stereotactic Body Radiation Therapy (SBRT) re-irradiation in Head and Neck Cancer

*Sujith Baliga, MD - Montefiore Medical Center, Bronx, NY*

5:20 - 5:25 PM Re-irradiation of Locoregional Recurrence NSCLC using Robotic Stereotactic Body Radiotherapy

*Cemile Ceylan, MS - Anadolu Medical Center, Eskişehir, Turkey*

5:25 - 5:30 PM Stereotactic Body Radiotherapy for Metastasis to the Pancreas

*Nergiz Dagoglu, MD - Istanbul University, Istanbul, Turkey*

5:30 - 5:35 PM Dose Volume Histogram (DVH) analysis of Stereotactic Body Radiotherapy (SBRT) treatment of primary pancreatic cancer: establishing risk levels for duodenal toxicity.

*Christy S. Goldsmith, MD - The Harley Street Clinic, London, United Kingdom*

5:35 - 6:00 PM Q&A Session for Short Oral Presentations

**PHYSICS SESSION: ORAL ABSTRACTS:** Continuous Education applicable for Physicists and Dosimetrists Only

Moderators: *Christoph Furweger, PhD - European CyberKnife Center Munich, Munich, Germany and Steve Goetsch, PhD - San Diego Gamma Knife Center, San Diego, CA*

7:30 - 7:40 AM Estimating Toxicities Following Stereotactic Ablative Radiotherapy Treatment of Locally-Recurrent and Previously-Irradiated Head and Neck Squamous Cell Carcinoma With A Normal Tissue Complication Probability Model

*Karen Xu, BS - University of Pittsburgh Cancer Institute, Pittsburgh, PA*

7:40 - 7:50 AM A Graphical and Tabular Method to Gauge Safety of Treatment Parameters in Stereotactic Body Radiosurgery (SBRT)

*Jimm Grimm, PhD - Johns Hopkins University, Baltimore, MD*

7:50 - 8:00 AM Treatment of Multiple Brain Metastases: Non Isocentric Robotic vs. Single Isocenter Modulated Arc Radiosurgery

*Nadir Kucuk, MS - Medipol University Hospital, Istanbul, Turkey*

- 8:00 - 8:10 AM Dosimetric validation for an automatic brain metastases planning element based on single isocenter dynamic conformal arcs  
*Haisong Liu, PhD, DABR - Thomas Jefferson University, Philadelphia, PA*
- 8:10 - 8:20 AM Optimization Algorithm for Single-Isocenter VMAT Stereotactic Radiosurgery for Multiple Brain Metastases  
*Alex Wells, BS - Stanford University, Stanford, CA*
- 8:20 - 8:30 AM Normal tissue dose reduction associated with use of jaw tracking in multiple metastasis single-isocenter VMAT radiosurgery  
*Evan Thomas, MD, PhD - University of Alabama Medical Center, Birmingham, AL*
- 8:30 - 8:40 AM Dosimetric comparison of VMAT, MLC robotic radiosurgery, and Cone robotic radiosurgery in prostate SBRT  
*Andrew Cardin - Radiation Physics Solutions, LLC, Havertown, PA*
- 8:40 - 8:50 AM A Novel Radiosurgery Software for Treating Multiple Brain Metastases Simultaneously in a Single Fraction -- First Clinical Experience  
*Dan Epstein - Assuta Medical Centers, Tel Aviv, Israel*
- 8:50 - 9:00 AM First Prospective Trial in LINAC-based 4pi Radiotherapy: Initial Results in Patients with Recurrent Glioblastoma  
*Angelia Tran, MD - University of California, Los Angeles, Los Angeles, CA*
- 9:00 - 9:10 AM Brain lesion radiosurgery without immobilization under continuous motion monitoring  
*Kenichi Saito, MD - Konan St. Hill Hospital, Ube-shi, Yamaguchi, Japan*
- 9:10 - 9:20 AM Performance evaluation of the first two generations of multi-leaf collimators for a robotic radiosurgery system  
*Christoph Furweger, PhD - European CyberKnife Center Munich, Munich, Germany*
- 9:20 - 9:30 AM Image Guided Radiosurgery for Trigeminal Neuralgia  
*Ning "Winston" Wen, PhD - Henry Ford Health System, Detroit, MI*
- 9:45 - 10:15 AM *Coffee Break / Visit with Exhibitors*
- 10:15 - 10:25 AM Deriving Detector-Specific Correction Factors for Small Fields using a Scintillator Detector  
*Yujiao "Cindy" Qin, MS - Henry Ford Health System, Detroit, MI*
- 10:25 - 10:35 AM A method to determine the effective source size for a Monte Carlo model of a robotic radiosurgery system  
*Christopher McGuinness, PhD - University of California, San Francisco, San Francisco, CA*
- 10:35 - 10:45 AM AAPM TG 178 Gamma Knife Dosimetry Intercomparison  
*Steve Goetsch, PhD - San Diego Gamma Knife Center, San Diego, CA*
- 10:45 - 10:55 AM Filmless MLC Quality Assurance in Robotic Radiosurgery  
*Jacob A. Gersh, PhD, DABR - Gibbs Cancer Center and Research Institute, Greenville, SC*

**PHYSICS SESSION: ORAL POSTERS:** [Continuous Education applicable for Physicists and Dosimetrists Only](#)

Moderators: *Ian Cowley, PhD - The Harley Street Clinic, London, United Kingdom and Sonja Dieterich, PhD - University of California, Davis, Davis, CA*

- 10:55 - 11:00 AM Evaluation of the dose delivery accuracy of three lung tumor tracking modes available on a robotic stereotactic body radiotherapy (SBRT) system.  
*Myriam Zahra-Ayadi, PhD - Centre Léon Bérard, Lyon, France*

11:00 - 11:05 AM	Do We Need A Different E2E Test For Multifraction SRS/SBRT? <i>Berat Aral, MS - Medicana International Ankara Hospital, Ankara, Turkey</i>
11:05 - 11:10 AM	Critical Organ Based Gradient Index: A New Index Study <i>Berat Aral, MS - Medicana International Ankara Hospital, Ankara, Turkey</i>
11:10 - 11:15 AM	Asymmetry and Stability of a Robotic Radiosurgery Motorized Collimator <i>Donald McRae, PhD - Virginia Hospital Center, Arlington, VA</i>
11:15 - 11:20 AM	Dosimetric comparison between Perfexion and RapidArc for Various Cranial Stereotactic Radiosurgery Cases <i>Evan Thomas, MD, PhD - University of Alabama Medical Center, Birmingham, AL</i>
11:20 - 11:25 AM	Successful automation of high quality single-isocenter VMAT SRS treatment planning on a linear accelerator <i>Evan Thomas, MD, PhD - University of Alabama Medical Center, Birmingham, AL</i>
11:25 - 11:30 AM	Robotic radiosurgery Monte Carlo commissioning using commercial 3D-array with Multiplug inserts <i>Nicolas Jansen, MD - Liege University Hospital, Liege, Belgium</i>
11:30 - 11:35 AM	Hotspots: friend or foe? Effect on radionecrosis risk of penalizing high dose in linac SRS plans <i>John Fiveash, MD - University of Alabama Medical Center, Birmingham, AL</i>
11:35 - 11:40 AM	Geometrically optimized single-isocenter dynamic conformal arcs (GO-SIDCA): an efficient radiosurgery technique for multiple brain metastasis <i>Bo Zhao, PhD, DABR - Henry Ford Health System, Detroit, MI</i>
11:40 - 11:45 AM	SBRT Lung Treatment Tracking: Dosimetric Comparisons of Spinal-based vs. Synchrony-based Tracking <i>Zhicong Huang, MS - Scripps Clinic Radiation Center- Vista Cyberknife, Vista, CA</i>
11:45 AM - 1:45 PM	Lunch & Exhibit Hall Presentations (see above for more details)

**PHYSICS SESSION: DOSIMETRY:** Continuous Education applicable for Physicists and Dosimetrists Only

Moderators: *Mary-Ellen Masterson-McGary, MA, MS - CyberKnife Centers of Tampa Bay, Tampa Bay, FL and Ian Cowley, PhD - The Harley Street Clinic, London, United Kingdom*

1:45 - 2:00 PM	Introducing the Dosimetry Plan Library and Future Directions <i>Ian Cowley, PhD - The Harley Street Clinic, London, United Kingdom</i>
2:00 - 2:45 PM	Dosimetry Metrics associated with a Good SRS/SABR/SBRT Plan <i>Christoph Furweger, PhD - European CyberKnife Center Munich, Munich, Germany</i>
2:45 - 3:30 PM	SRS/SBRT/SABR Plan Margins: Review of Contemporary Practice <i>Sonja Dieterich, PhD - University of California, Davis, Davis, CA</i>
3:30 - 4:15 PM	SRS/SBRT/SABR Contouring: Pitfalls and Consequences <i>Mary-Ellen Masterson-McGary, MA, MS - CyberKnife Centers of Tampa Bay, Tampa Bay, FL</i>
4:15 - 5:00 PM	Q&A Session

**MIX AND MINGLE EVENT**

6:00 - 7:30 PM	Mix & Mingle: FastPass to Endor
7:30 PM	Dinner on your own

## FRIDAY, JUNE 17, 2016

7:00 - 7:30 AM Continental Breakfast / Coffee with Exhibitors

**GENERAL SESSION:** Continuous Education applicable for Physicians, Nurses, Therapists, Physicists and Dosimetrists**Bridging the Gap Between Immunotherapy & Hypo-Fractionated Radiation Therapy**

A joint session with National Institutes of Health ([NCI / NIH](#)), Society for Immunotherapy of Cancer ([SITC](#)), Radiation Research Society ([RRS](#)), and the Radiosurgery Society ([the RSS](#))

Moderators: Mansoor M. Ahmed, PhD - National Cancer Institute, Bethesda, MD and Samir N. Khleif, MD - Georgia Cancer Center at Augusta University, SITC Board Member, Augusta, GA

- 7:30 - 7:40 AM Opening Remarks: Beyond Radiosurgery - The RSS' Mission to Push the Boundaries of Hypo-Fractionated Radiation  
*Anand Mahadevan, MD - Beth Israel Deaconess Medical Center, Boston, MA and Chairman of the Board of Directors of the Radiosurgery Society*
- 7:40 - 7:50 AM NCI's Mission and Its Role in Promoting Science of Radiation in Immunology  
*Mansoor M. Ahmed, PhD - National Cancer Institute, Bethesda, MD*
- 7:50 - 8:00 AM SITC's Mission and Its Role in Promoting Cancer Immunotherapy among Radiation Oncologists and Radiation Biologists  
*Samir N. Khleif, MD - Georgia Cancer Center at Augusta University, SITC Board Member, Augusta, GA*
- 8:00 - 8:10 AM RRS' Mission and Its Role in Promoting the Importance of Radiation Biology in Cancer Immunology  
*Charles L. Limoli, PhD - UCI Cancer Research Institute, RRS President, Irvine, CA*
- 8:10 - 8:30 AM Overview of Cancer Immunology and Immunotherapy  
*Samir N. Khleif, MD - Georgia Cancer Center at Augusta University, SITC Board Member, Augusta, GA*
- 8:30 - 8:50 AM Importance of Radiation Doses for Immune Modulation and Sequencing for Immunotherapy Synergy in Solid Tumors  
*Marka R. Crittenden, MD, PhD - Earle A. Chiles Research Institute, Providence Cancer Center, Portland, OR*
- 8:50 - 9:10 AM Response and Resistance to SBRT and Immune Checkpoint Blockade in Mice and Patients  
*Andy J. Minn, MD, PhD - University of Pennsylvania, Philadelphia, PA*
- 9:10 - 9:30 AM Translational Science and Biomarkers Selection for Monitoring Efficacy of Trials Combining Radiation Plus Immunotherapy  
*Arta Monir Monjazebe, MD, PhD - UC Davis Comprehensive Cancer Center, Davis, CA*

9:30 - 10:00 AM Coffee Break / Visit with Exhibitors

**GENERAL SESSION:** Continuous Education applicable for Physicians, Nurses, Therapists, Physicists and Dosimetrists**The Showdown Debates: May the Force be With You**

- 10:00 - 11:15 AM Ablative vs. Non Ablative Radiation for Abscopal Effects  
*Chandan Guha, MB, BS, PhD - Montefiore Medical Center, Bronx, NY*  
*Silvia C. Formenti, MD - Weill Cornell Medical College, Cornell University, New York, NY*  
Moderator: Mansoor M. Ahmed, PhD - National Cancer Institute, Bethesda, MD
- 11:15 AM - 12:30 PM Pre-Resection vs. Post-Resection SRS for Brain Metastases  
*Scott G. Soltys, MD - Stanford University, Stanford, CA*  
*John C. Flickinger, MD - University of Pittsburgh Medical Center, Pittsburgh, PA*  
Moderators: John R. Adler, Jr., MD - Stanford University, Stanford, CA and Professor Dheerendra Prasad - Roswell Park Cancer Institute, Buffalo, NY

12:30 - 2:00 PM	Lunch & Exhibit Hall Presentations
12:45 - 1:00 PM	Optimizing Prostate SBRT using CyberKnife with the Incise MLC System <i>Jacob Gersh, PhD - <b>Supported by Accuray</b></i>
1:00 - 1:15 PM	Enhanced Imaging Features Designed to Increase Confidence for Stereotactic Treatment Delivery <i>Annie Hsu, PhD, DABR - <b>Supported by Varian Medical Systems</b></i>
1:15 - 1:30 PM	Next Generation Brain Radiosurgery: Early Experiences <i>Dheerendra Prasad, MD, MCh, FACRO - <b>Supported by Elekta</b></i>
1:30 - 1:45 PM	The Sylvester Comprehensive Cancer Center Experience with MRI-Guided Radiation Therapy <i>Lorraine Portelance, MD - <b>Supported by ViewRay</b></i>
2:00 - 3:15 PM	SABR vs. Surgery for Operable Stage I Lung Cancer <i>Bill W. Loo, Jr., MD, PhD, DABR - Stanford University, Stanford, CA</i> <i>Jessica S. Donington, MD - NYU Langone Medical Center, New York, NY</i> Moderators: <i>Kristin Higgins, MD - Emory University School of Medicine, Atlanta, GA and</i> <i>Rachelle Lanciano, MD - Philadelphia CyberKnife Center, Havertown, PA</i>
3:15 - 4:30 PM	Hypo-Fractionated SBRT vs. Single Dose for Prostate Cancer <i>Debra Freeman, MD - Tampa Bay CyberKnife Centers, Tampa Bay, FL</i> <i>Carlo Greco, MD - Champalimaud Clinical Centre, Lisbon, Portugal</i> Moderators: <i>Jonathan Haas, MD - Winthrop University Hospital, Mineola, NY and Najeeb</i> <i>Mohideen, MD - Northwest Community Hospital, Arlington Heights, IL</i>

**GENERAL SESSION:** Continuous Education applicable for Physicians, Nurses, Therapists, Physicists and Dosimetrists  
**SRS/SBRT Practice Guidelines**

Moderator: *Fang-Fang Yin, PhD - Duke University Medical Center, Durham, NC*

4:30 - 4:50 PM	SRS/SBRT Practices from European Perspective <i>Ben J. Slotman, MD, PhD - VU Medical Center, Amsterdam, the Netherlands</i>
4:50 - 5:10 PM	SRS/SBRT Guidelines from NRG Perspective <i>Kristin Higgins, MD - Emory University School of Medicine, Atlanta, GA</i>
5:10 - 5:30 PM	SRS/SBRT Guidelines from AAPM/RSS Perspective <i>Fang-Fang Yin, PhD - Duke University Medical Center, Durham, NC</i>

**POSTER RECEPTION & AWARDS**

5:30 - 7:30 PM	Co-Hosted by the Radiosurgery Society and UPMC CancerCenter <ul style="list-style-type: none"> <li>Residents' SRS BEST Abstract Awards - presented by <i>BEST Medical</i></li> <li>Best of the Best Clinical and Physics Abstract and Poster Awards</li> </ul>
7:30 PM	Dinner on your own

**SATURDAY, JUNE 18, 2016**

7:00 - 8:00 AM	Continental Breakfast / Coffee with Exhibitors
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**GENERAL SESSION**

**Performance and Quality Improvement Session (PQIS)**

The PQIS is an interactive forum allowing the review of complex patient cases, encouraging the audience of medical professionals to interact, share experiences and opinions.

**PQIS Part 1: the Original - Restricted Access**

Moderators: *John J. Kresl, MD, PhD, DABR, FACRO - Radiation Oncologists of Central Arizona (ROCA), Phoenix, AZ and*  
*Richard D. Bucholz, MD - St. Louis University, St. Louis, MO*



**Description:** Think back to the days of M&M; following the traditional format of past PQIS. Submissions include interesting and/or challenging case studies that are reviewed and chosen by a team of SRS/SBRT experts. This session is limited to medical professionals.

8:00 - 10:00 AM Speakers TBD - based on submissions.

Expert Panel: *Allison Grow, MD, PhD - North Florida Radiation Oncology, Gainesville, FL, Christoph Furweger, PhD - European CyberKnife Center Munich, Munich, Germany, Steve Goetsch, PhD - San Diego Gamma Knife Center, San Diego, CA and Rachelle Lanciano, MD - Philadelphia CyberKnife Center, Havertown, PA*

### **PQIS Part 2: 2016 AAMD/RSS SBRT Prostate Dose Plan Study - All are Welcome**

Moderators: *Mary Ellen Masterson-McGary, MA, MS - CyberKnife Centers of Tampa Bay, Tampa Bay, FL and Brian Wang, PhD - University of Louisville, Louisville, KY*

**Description:** This session is a new addition. We heard you! "Hands-On" case studies for planning and comparison. The Plan Study will produce powerful statistics and profound knowledge to inter-compare different planners, techniques, TPS, and delivery modalities. This session is open to all.

10:00 - 11:00 AM Overview of the Dosimetry Plan Study  
*Mary Ellen Masterson-McGary MA, MS - CyberKnife Centers of Tampa Bay, Tampa, FL*

11:00 - 11:10 AM Winner experiences with MultiPlan  
*Qianyi Xu, PhD - MD Anderson Cancer Center at Cooper, Mt Laurel, NJ*

11:10 - 11:20 AM Winner experiences with Pinnacle  
*Justin Hayes, MS - Sanford Health, Fargo, ND*

11:20 - 11:30 AM Winner experiences with Eclipse  
*Nadir Kucuk, Msc - Medipol University Hospital, Turkey*

11:30 - 11:40 AM Winner experiences with Monaco  
*Mohsen Isaac, MD - Monongahela Valley Hospital, Monongahela, PA*

11:40 - 11:50 AM Winner experiences with Eclipse  
*Chris Huff, MS - Elmhurst Memorial Hospital, Elmhurst, IL*

11:50 - 11:55 AM Prostate SBRT plan with MLC on CyberKnife  
*Christoph Furweger, PhD - European CyberKnife Center Munich, Munich, Germany*

11:55 AM - 12:00 PM Q&A

12:00 - 1:30 PM Lunch & Exhibit Hall Presentations

12:15 - 12:30 Deliver Value-based Healthcare with Patient-centered Outcomes  
*Martin Pelliant - supported by VisionTree Software*

12:15 - 1:00 The Radiosurgery Society Annual Meeting  
*Joanne N. Davis, PhD - Executive Director, the Radiosurgery Society  
Richard D. Bucholz, MD - St. Louis University, St. Louis, MO and President of the Board of Directors of the Radiosurgery Society*

### **GENERAL SESSION: Continuous Education applicable for Physicians, Nurses, Physicists and Dosimetrists SRS/SBRT in the Setting of Re-Irradiation: Indications, Safety and Efficacy (RISE)**

A joint session with the American College of Radiation Oncology ([ACRO](#)), Radiosurgical Research Institute ([RRI](#)), and the Radiosurgery Society ([the RSS](#))

1:30 - 1:35 PM Opening Remarks & Introduction  
*Anthony E. Dragun, MD - James Graham Brown Cancer Center, University of Louisville, Louisville, KY*

- 1:35 - 2:00 PM Re-Irradiation Applications involving CNS and Spine  
*John C. Flickinger, MD - University of Pittsburgh Medical Center, Pittsburgh, PA*
- 2:00 - 2:25 PM Management of Locoregional Recurrence of Breast Cancer: the Emerging Role of Radiosurgery  
*Anthony E. Dragun, MD - James Graham Brown Cancer Center, University of Louisville, Louisville, KY*
- 2:25 - 2:50 PM Stereotactic Body Radiation Therapy for Recurrent Head & Neck Cancers: New Options, New Challenges  
*Dwight E. Heron, MD, MBA, FACRO, FACR - University of Pittsburgh Medical Center, Pittsburgh, PA*
- 2:50 - 3:15 PM Radiobiology and Physics of Radiosurgery in Re-Irradiation  
*Jun Yang, PhD - Philadelphia CyberKnife, Havertown, PA*
- 3:15 - 3:30 PM Panel Q & A  
*All Presenters and Audience*

**BREAKOUT SESSION:** Continuous Education applicable for Therapists Only

**Radiation Therapist Breakout Session**

Moderator: *Joey Spring, BS, RT(T) - St. Joseph's/Candler, Savannah, GA*

- 1:30 - 1:35 PM Opening Remarks & Introduction  
*Joey Spring, BS, RT(T) - St. Joseph's/Candler, Savannah, GA*
- 1:35 - 1:55 PM SRS, SBRT and Conventional RT  
*Jun Yang, PhD - Philadelphia CyberKnife, Havertown, PA*
- 1:55 - 2:10 PM SRS/SBRT Clinical Care Process  
*Annette Quinn, RN - University of Pittsburgh, Pittsburgh, PA*
- 2:10 - 2:25 PM Online Imaging Challenges with SBRT Thoracic Patients  
*Una Keightley - Beacon Hospital, Sandyford, Dublin, Ireland*
- 2:25 - 2:45 PM Gamma Knife Radiosurgery in the 21st Century  
*Steve Goetsch, PhD - San Diego Gamma Knife Center, San Diego, CA*
- 2:45 - 3:05 PM SRS/SBRT, What is the Future?  
*Annette Quinn, RN - University of Pittsburgh, Pittsburgh, PA*
- 3:05 - 3:25 PM Panel Q & A  
*All Presenters and Audience*
- 3:25 - 3:30 PM Closing Remarks  
*Joey Spring, BS, RT(T) - St. Joseph's/Candler, Savannah, GA*

**GENERAL SESSION:** Continuous Education applicable for Physicians, Nurses, Therapists, Physicists and Dosimetrists

**Clinical Studies Session**

Moderator: *Madhur Garg, MD - Montefiore Medical Center, Bronx, NY*

- 3:30 - 4:30 PM
  - Is Surgery Still the Optimal Treatment for Stage I Non-Small Cell Lung Cancer? The VALOR Trial  
*Drew Moghanaki, MD, MPH - Hunter Holmes McGuire Veterans Affairs Medical Center, Richmond, VA*
  - NCI-Molecular Analysis for Therapy Choice: MATCH Trial  
*Mansoor M. Ahmed, PhD - National Cancer Institute, Bethesda, MD*
  - SBRT for the Treatment of Pancreatic Cancer  
*Anand Mahadevan, MD - Beth Israel Deaconess Medical Center, Boston, MA*

**Closing Event**

- 6:00 - 9:00 PM Pub Crawl in Downtown Disney  
Appetizers provided by the RSS, Cash Bar.

The following abstracts will be available for viewing in the Poster Area.

## CLINICAL

- 1 CyberKnife stereotactic radiosurgery for trigeminal neuralgia: targeting across the trigeminal nerve on the retrogasserian portion  
*Shinichiro Mizumatsu, MD - Aoyama General Hospital, Toyokawa-shi, Aichi, Japan*
- 2 Using the Cochlea and Vestibular Apparatus for Fine-Tuning Trigeminal and Acoustic Neuroma CT-MR Fusion  
*Donald McRae, PhD - Virginia Hospital Center, Arlington, VA*
- 4 Outcomes in patients with vestibular schwannoma after subtotal resection and adjuvant radiosurgery  
*Michael Schulder, MD - Northwell Health, Hempstead, NY*
- 5 A Preliminary Study on 3D In Vitro Tumor Models of Non-small Cell Lung Cancer (NSCLC) under Hypo-fractionated Stereotactic Body Radiotherapy (SBRT)  
*Yuenan Wang, PhD - University of Virginia, Charlottesville, VA*
- 6 A Retrospective Study of Lung Stereotactic Body Radiation Therapy (SBRT) patients within a Community Hospital Environment  
*Meredith Semon, BS, MS - Monongahela Valley Hospital, Monongahela, PA*
- 7 Clinical outcomes of patients treated with multiple SBRT courses to the Lung.  
*Luqman Dad, MD - DeCesaris Cancer Institute, Anne Arundel Medical Center, Annapolis, MD*
- 8 Clinical outcomes of Stereotactic Body Radiation Therapy (SBRT) for the treatment of early-stage Non-Small Cell Lung Cancer (NSCLC) in the Community Hospital Setting  
*Luqman Dad, MD - DeCesaris Cancer Institute, Anne Arundel Medical Center, Annapolis, MD*
- 9 Prospective evaluation of SBRT for definitive management of medically-inoperable lung cancer  
*Arica Hirsch, MD - Illinois CyberKnife at Advocate Lutheran General Hospital, Park Ridge, IL*
- 10 Randomized trials comparing SABR and surgery for early stage NSCLC: Design and endpoints  
*Ben J. Slotman, MD, PhD - VU Medical Center, Amsterdam, the Netherlands*
- 11 SBRT of Large Lung Lesions: Retrospective Outcome Analysis  
*Munir Zaman, PhD - Riverside Community Hospital, Riverside, CA*
- 12 Stereotactic Body Radiotherapy of Non-Small Cell Lung Cancer in Medicana Ankara International Hospital CyberKnife Radiosurgery Center  
*Kaan Oysul, MD - Medicana International Ankara Hospital, Ankara, Turkey*
- 13 Barrett's Esophagus Eradication with Radiofrequency Ablation Dependent on Length of Barrett's Segment  
*Robert Tyler Lockett, MD - University of Alabama Medical Center, Birmingham, AL*
- 14 Dose Volume Histogram (DVH) analysis of Stereotactic Body Radiotherapy (SBRT) treatment of primary pancreatic cancer: establishing risk levels for duodenal toxicity.  
*Christy S. Goldsmith, MD - The Harley Street Clinic, London, United Kingdom*
- 15 Stereotactic Body Radiotherapy for Metastasis to the Pancreas  
*Nergiz Dagoglu, MD - Istanbul University, Istanbul, Turkey*
- 16 Stereotactic robotic body radiotherapy for patients with unresectable hepatic oligometastases  
*Nicolas Jansen, MD - Liege University Hospital, Liege, Belgium*
- 17 The role of stereotactic body radiotherapy in treating patients with the tumor of a single kidney  
*Nikolay Vorobyov, MD, PhD - Dr. Berezin Medical Center, Russia*
- 18 Integrated Pelvic Exenteration, Intraoperative Implantation of Saline-filled Prosthesis for Bowel Protection, and Pelvic Side Wall SBRT for Advanced, Recurrent Endometrial Cancer  
*Jeffrey Kuo, MD - University of California, Irvine, Irvine, CA*



- 19 CORE - Randomised trial of Conventional care versus Radioablation (stereotactic body radiotherapy (SBRT)) for Extracranial metastases  
*Andy Gaya, MD - Guy's & St. Thomas' NHS Trust, London, United Kingdom*
- 20 Fusing Clinical and Business Metrics: How They Unite to Improve Quality and Effect Change  
*Lorri G. Smith, RN, BSN - Alliance Oncology, Nashville, TN*
- 21 Implementation of SBRT in the UK National Health Service via an innovative "Commissioning through Evaluation" (CtE) programme  
*Mohammad Islam - Royal Marsden Hospital, Guy's and St Thomas' Hospital, London, United Kingdom*

**PHYSICS**

- 3 Asymmetry and Stability of a Robotic Radiosurgery Motorized Collimator  
*Donald McRae, PhD - Virginia Hospital Center, Arlington, VA*
- 22 CBCT for Stereotactic Body Radiation Therapy of Lung  
*Cesare Guida, MD, PhD - ao san giuseppe moscati - Avellino, Avellino, Italy*
- 23 Dosimetric appraisal of volumetric modulated arc therapy for stereotactic radiosurgery in benign intracranial lesions in comparison to robotic radiosurgery  
*Ekin Ermis, MD - Okmeydani Training and Research Hospital, Istanbul, Turkey*
- 24 Evaluation of Treatment Planning Results for Linac and Robotic Vertebral SRS  
*Esra Kucukmorkoc, MS - Medipol University, Istanbul, Turkey*
- 25 Dosimetric comparison between Perfexion and RapidArc for Various Cranial Stereotactic Radiosurgery Cases  
*Evan Thomas, MD, PhD - University of Alabama Medical Center, Birmingham, AL*
- 26 Feasibility of novel LINAC-based VMAT technique for functional stereotactic radiosurgery  
*Evan Thomas, MD, PhD - University of Alabama Medical Center, Birmingham, AL*
- 27 Successful automation of high quality single-isocenter VMAT SRS treatment planning on a linear accelerator  
*Evan Thomas, MD, PhD - University of Alabama Medical Center, Birmingham, AL*
- 28 Hotspots: friend or foe? Effect on radionecrosis risk of penalizing high dose in linac SRS plans  
*John Fiveash, University of Alabama Medical Center, Birmingham, AL*
- 29 Isocenter Optimization for Linac-based SRS/SBRT  
*Mac Clements, BS, MS - Radiological Imaging Technology, Colorado Springs, CO*
- 30 Prostate Motion during Stereotactic Body Radiation Therapy (SBRT) on a Robotic Linear Accelerator  
*Karthika Ramakrishnan, BS - Fox Chase Cancer Center, Philadelphia, PA*
- 31 Robotic radiosurgery Monte Carlo commissioning using commercial 3D-array with Multiplug inserts  
*Nicolas Jansen, MD - Liege University Hospital, Liege, Belgium*
- 32 Strategic Planning of Multiple Brain Targets Using Robotic Radiosurgery  
*Kiernan McCullough, MS, DABR - Colorado Associates in Medical Physics, Colorado Springs, CO*
- 33 The Effect of Low and Medium Resolution Selection on Treatment Planning  
*Hasan Uysal, MS - Medicana International Ankara Hospital, Ankara, Turkey*
- 34 The Effect of Prescribed Isodose Line on the Treatment Planning Quality for Pituitary Adenoma with A New Planning Quality Index  
*Hasan Uysal, MS - Medicana International Ankara Hospital, Ankara, Turkey*

	Wednesday June 15, 2016	Thursday June 16, 2016	Friday June 17, 2016	Saturday June 18, 2016			
6:30 - 6:45 AM		Continental Breakfast / Coffee with Exhibitors					
6:45 - 7:00							
7:00 - 7:15		Welcome Address	Continental Breakfast / Coffee with Exhibitors	Continental Breakfast / Coffee with Exhibitors			
7:15 - 7:30							
7:30 - 7:45							
7:45 - 8:00							
8:00 - 8:15		Clinical Session	Physics Session	Bridging the Gap Between Immunotherapy & Hypo-Fractionated Radiation Therapy			
8:15 - 8:30						PGIS Part 1: the Original  <b>No Vendors Allowed</b>	
8:30 - 8:45							
8:45 - 9:00							
9:00 - 9:15							
9:15 - 9:30							
9:30 - 9:45							
9:45 - 10:00		Coffee Break / Visit with Exhibitors	Coffee Break / Visit with Exhibitors				
10:00 - 10:15							
10:15 - 10:30							
10:30 - 10:45		Clinical Session	Physics Session	Showdown: May the Force Be With You #1: Ablative vs. Non Ablative Radiation for Abscopal Effects			
10:45 - 11:00						PGIS Part 2: 2016 AAMD/RSS SBRT Prostate Dose Plan Study  <b>All Are Welcome</b>	
11:00 - 11:15							
11:15 - 11:30							
11:30 - 11:45							
11:45 - NOON							
12:00 - 12:15 PM							
12:15 - 12:30		Lunch / Presentations in Exhibit Hall	Showdown: May the Force Be With You #2: Pre-Resection vs. Post- Resection SRS for Brain Metastases	Lunch / Presentations in Exhibit Hall			
12:30 - 12:45							
12:45 - 1:00							
1:00 - 1:15							
1:15 - 1:30							
1:30 - 1:45							
1:45 - 2:00							
2:00 - 2:15	Registration	Clinical Session	Physics Session	Lunch / Presentations in Exhibit Hall			
2:15 - 2:30							SRS/SBRT in the Setting of Re- Irradiation: Indications, Safety and Efficacy (RISE)
2:30 - 2:45						Radiation Therapist Breakout Session	
2:45 - 3:00							
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- Meals & Events
- General Session
- Clinical Session
- Physics Session
- Therapist Breakout

International  
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Grand, Salons 4-8  
Grand, Salons 1-3  
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Everyone  
Everyone  
Physicians, Nurses & Therapists  
Physicists & Dosimetrists  
Therapists

Mix & Mingle  
FastPass to Endor

Poster Reception and  
Presentation of Meeting  
Awards  
  
Co-Hosted by the  
Radiosurgery Society and  
UPMC CancerCentre

Pub Crawl in  
Downtown Disney  
  
Appetizer provided by  
the Radiosurgery Society.  
Cash Bar.