



WEDNESDAY, MARCH 20, 2019

CORPORATE-SPONSORED EDUCATIONAL SYMPOSIA

Noon - 4:00 PM	Varian Medical Systems Cutting Edge Radiosurgery Symposium: Advanced SRS/SBRT Technologies Update	Nautilus 1
4:30 - 5:30 PM	ViewRay MRI Vision and Daily Online Adaptation Revolutionizes Radiosurgery	Nautilus 3

SPECIAL EVENTS

4:00 - 6:00 PM	GRID/Lattice, Flash and Microbeam Radiotherapy Working Groups: Clinical, Physics and Biology Combined Session Hosted by the National Cancer Institute and the RSS	This session is invitation only.
6:30 - 7:30 PM	RSS Sponsorship Alliance Appreciation Reception Hosted by Montefiore Medical Center and the Department of Radiation Oncology	This reception is invitation only for the Strategic Sponsors of the RSS.

THURSDAY, MARCH 21, 2019

6:30 - 7:00 AM	Light Breakfast / Coffee	Grande Foyer
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GENERAL SESSION **Grande Ballrooms B & C**

7:00 - 7:15 AM	Welcome Remarks & Sponsor Acknowledgements Shalom Kalnicki, MD, FASTRO, FACRO, President of the RSS Board of Directors
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7:15 - 7:45 AM	Keynote Address: Value-Based Medicine in the Current Healthcare Economic Environment Brian D. Kavanagh, MD, MPH, FASTRO, University of Colorado, Aurora, CO
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7:50 - 10:00 AM CONCURRENT CLINICAL & PHYSICS SESSIONS

CLINICAL - Session details available on pages 3 - 5	Grande Ballrooms B & C
PHYSICS - Session details available on pages 6 - 7	Grande Ballroom A



10:00 - 10:30 AM	Coffee Break / Visit with Exhibitors	Pavilion
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10:30 AM - Noon CONCURRENT CLINICAL & PHYSICS SESSIONS CONTINUE

CLINICAL - Session details available on pages 3 - 5	Grande Ballrooms B & C
PHYSICS - Session details available on pages 6 - 7	Grande Ballroom A

Noon - 1:30 PM	Lunch & Exhibit Hall Presentations	Pavilion
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- 12:15 - 12:30 PM Varian Medical Systems Presentation
- 12:30 - 12:45 PM Elekta Presentation
- 12:45 - 1:00 PM Winner of Varian's Cureus Publishing Competition


1:30 - 4:00 PM	CONCURRENT CLINICAL & PHYSICS SESSIONS CONTINUE	
	CLINICAL - Session details available on pages 3 - 5	Grande Ballrooms B & C
	PHYSICS - Session details available on pages 6 - 7	Grande Ballroom A
4:00 - 4:30 PM	Afternoon Break / Visit with Exhibitors	Pavilion
	GENERAL SESSION	Grande Ballrooms B & C
4:30 - 5:45 PM	Tumor Control Probability Guidelines for SRS/SBRT	
	Moderator: Dwight E. Heron, MD, MBA, FACRO, FACR, UPMC Hillman Cancer Center, Pittsburgh, PA	
	<ul style="list-style-type: none"> • Overview of Tumor Control Probability Guidelines Jimm Grimm, PhD, Johns Hopkins University, Baltimore, MD • SABR/SBRT for Lung - Tumor Probability Guidelines Percy P. Lee, MD, David Geffen School of Medicine, UCLA; UCLA Jonsson Comprehensive Cancer Center, Los Angeles, CA • Radiosurgery for Spine - Tumor Probability Guidelines Scott G. Soltys, MD, Stanford University, Stanford, CA • SABR/SBRT for Head & Neck - Tumor Probability Guidelines David Anthony Clump, II, MD, PhD, UPMC Hillman Cancer Center, Pittsburgh, PA 	
5:45 - 6:15 PM	The Radiosurgery Society® Best Clinical and Physics Abstracts	
	Moderator: Shalom Kalnicki, MD, FASTRO, FACRO, Montefiore Medical Center/Albert Einstein College of Medicine, Bronx, NY	
5:45 - 5:59 PM	Clinical - Stereotactic Body Radiation Therapy for Early Stage Breast Cancer using a Robotic Linear Accelerator-5 Year Results from the NYU Winthrop Hospital Trial	
	Jonathan A. Haas, MD, NYU Winthrop Hospital, Mineola, NY	
6:00 - 6:15 PM	Physics - The Lessons of QUANTEC Reproduced in HyTEC	
	Jimm Grimm, PhD, Johns Hopkins University, Baltimore, MD	
6:15 - 8:00 PM	"March Madness" Reception	Pavilion
	<ul style="list-style-type: none"> • Presentation of Resident Awards • Poster Viewing 	

DETAILED CLINICAL SESSION AGENDA FOR THURSDAY, MARCH 21, 2019

CLINICAL SESSION

Grande Ballrooms B & C

**7:50 - 9:00 AM Central Nervous System Session: Part 1
Clinical Abstract Presentations with Q&A**

- 7:50 - 7:59 AM **Interactions between Dose, Cavity Size, and Histology in the Prediction of Local Control following Stereotactic Radiosurgery for Resected Brain Metastases**
Chengcheng Gui, BSE, Johns Hopkins University School of Medicine, Baltimore, MD
- 8:00 - 8:09 AM **Tumor Control and Survival in Patients with Ten or More Brain Metastases Treated with Stereotactic Radiosurgery: A Retrospective Analysis**
Anuj Goenka, MD, Zucker School of Medicine at Hofstra/Northwell, Lake Success, NY
- 8:10 - 8:19 AM **Management of Brain Metastases from Large Cell Neuroendocrine Carcinoma of the Lung: Improved Outcomes with Radiosurgery**
Rodney E. Wegner, MD, Allegheny Health Network, Clairton, PA
- 8:20 - 8:29 AM **High-Grade Toxicity after Combination Radiosurgery Anti-PD-1 Immunotherapy for Brain Metastases**
Roman Travis, BS, The University of Alabama at Birmingham School of Medicine, Birmingham, AL
- 8:30 - 8:39 AM **Dosimetric Comparison of Protons versus Photons for Treatment of Pituitary Adenoma** 
Shivani Sud, MD, University of North Carolina Healthcare, Chapel Hill, NC
- 8:40 - 8:49 AM **Primary and Repeat Linac Radiosurgery for Cerebral Arteriovenous Malformations in Pediatric Population**
Slawomir Blamek, MD, PhD, Maria Sklodowska-Curie Memorial Cancer Center and Institute of Oncology, Gliwice Branch, Gliwice, Poland
- 8:50 - 9:00 AM **Q&A - CNS Session: Part 1**

**9:00 - 10:00 AM Central Nervous System Session: Part 2
Clinical Abstract Presentations with Q&A**

- 9:00 - 9:09 AM **Systemic Therapy as a Risk Factor Associated to Complications in SBRT for Spine Metastases** 
Christian Arias, MD, Centre Hospitalier De L'Université De Montréal, Montréal, Quebec, Canada
- 9:10 - 9:19 AM **Initial Observation of Vestibular Schwannomas: A Modern Institutional Experience** 
Aditya Patibandla, BS, Mayo Clinic, Rochester, MN
- 9:20 - 9:29 AM **Clinic Feasibility of Frameless Functional Radiosurgery with a Virtual Cone**
John Fiveash, MD, University Alabama at Birmingham Hospital, Birmingham, AL
- 9:30 - 9:39 AM **The Dancing Cord: Inherent Spinal Cord Motion and Its effect on Cord Dose in Spine Stereotactic Body Radiation Therapy**
Murat Alp Oztek, MD, University of Washington Medical Center, Seattle, WA
- 9:40 - 9:49 AM **Efficacy and Safety of Robotic Radiosurgery for Spinal Metastases**
Markus Kufeld, MD, European CyberKnife Center, Munich, Germany
- 9:50 - 10:00 AM **Q&A - CNS Session: Part 2**

CONTINUATION OF DETAILED CLINICAL SESSION AGENDA FOR THURSDAY, MARCH 21, 2019

10:30 - 11:20 AM	SRS/SBRT for Clinical Applications Clinical Abstract Presentations with Q&A
10:30 - 10:39 AM	Dose-Response Modeling the Risk of Carotid Bleeding Events after Stereotactic Body Radiation Therapy for Previously-Irradiated Head and Neck Cancer Diane C. Ling, MD, UPMC Hillman Cancer Center, University of Pittsburgh School of Medicine, Pittsburgh, PA
10:40 - 10:49 AM	Unconventional SBRT-Based Partial Irradiation of Unresectable Bulky Tumors exploiting the Bystander and Abscopal Effects Slavisa Tubin, MD, KABEG Klinikum Klagenfurt, Klagenfurt, Austria
10:50 - 10:59 AM	Trends of Stereotactic Body Radiation Therapy Utilization in the United States from 2004-2015 Eric Lehrer, MD, MS, Northwell Health - Mather Hospital, Port Jefferson, NY
11:00 - 11:09 AM	Long-Term Results of Stereotactic Thermal Destruction Drug-Resistant Temporal Lobe Epilepsy Elena Slobina, MD, PhD, Russian Scientific Center of Roentgenoradiology, Moscow, Russia
11:10 - 11:20 AM	Q&A - SRS/SBRT for Clinical Applications Session
11:20AM - Noon	Thoracic Session Clinical Abstract Presentations with Q&A
11:20 - 11:29 AM	Clinical Outcomes following Stereotactic Body Radiation Therapy (SBRT) for Small-Cell Lung Carcinoma: A Preliminary Analysis from The RSSearch® Patient Registry Raj Singh, MD, Virginia Commonwealth University, Richmond, VA and Mather Hospital, Port Jefferson, NY
11:30 - 11:39 AM	Stereotactic Body Radiotherapy for Pulmonary Non-Small Cell Neuroendocrine Tumors Anand Mahadevan, MD, FRCS, FRCR, Geisinger Health System, Danville, PA
11:40 - 11:49 AM	Early Feasibility Study for Cardiac Radiosurgery: Evaluation of Novel 3-D Treatment Planning Software and Safety Data on First Three Patients Douglas Rivera, MD, Austin CyberKnife, Austin, TX
11:50 AM - Noon	Q&A - Thoracic Session
1:30 - 2:45 PM	Genitourinary Session Clinical Abstract Presentations with Q&A
1:30 - 1:39 PM	Ten-Year Final Results of the TROG 03.04 (Radar) Randomised Phase 3 Trial with an Analysis of the Relative Benefit of Radiation Dose Escalation and Longer Hormone Duration to Prevent Distant Progression with Locally Advanced Prostate Cancer David Joseph, MD, MBBS, FRANZCR, MRACMA, 5D Clinics, Perth, WA, Australia
1:40 - 1:49 PM	Ten-Year Final Results of the TROG 03.04 (Radar) Randomised Phase 3 Trial evaluating Duration of Androgen Suppression ± Zoledronate for Locally Advanced Prostate Cancer David Joseph, MD, MBBS, FRANZCR, MRACMA, 5D Clinics, Perth, WA, Australia

CONTINUATION OF DETAILED CLINICAL SESSION AGENDA FOR THURSDAY, MARCH 21, 2019



1:50 - 1:59 PM **Outcomes of Stereotactic Body Radiotherapy delivered by Gantry-Based Linear Accelerators for Low- and Intermediate-Risk Prostate Adenocarcinoma: A Multi-Institutional Study**

Audrey Dang, MD, University of California, Los Angeles, Los Angeles, CA

2:00 - 2:09 PM **Implications for Appropriate Margins in Radiosurgery of Bone Oligometastases from Prostate Cancer: An Analysis of Sodium Fluoride (NaF) PET/CT Response Assessment in the POPSTAR Clinical Trial**

Shankar Siva, PhD, MBBS, FRANZCR, Peter MacCallum Cancer Centre, Melbourne, Australia

2:10 - 2:19 PM **Radioablation of LR and IR Prostate Cancer. Single Center Results of Consecutive 500 Patients Treatment**

Leszek Miszczyk, MD, PhD, Maria Sklodowska-Curie Memorial Cancer Center and Institute of Oncology, Gliwice, Poland

2:20 - 2:29 PM **Utilization of Stereotactic Body Radiation Therapy for Localized Prostate Cancer at Georgetown University Hospital: An Analysis of Patient Demographics and Travel Distance**

Nima Aghdam, MD, Georgetown University Hospital, Washington, DC

2:30 - 2:45 PM **Q&A - Genitourinary Session**

**2:45 - 4:00 PM Gastrointestinal Session
Clinical Abstract Presentations with Q&A**

2:45 - 2:54 PM **Liver Function Abnormalities Twelve Months after Stereotactic Body Radiation Therapy (SBRT) for Hepatocellular Carcinoma (HCC)**

Justin Tang, MD, Montefiore Medical Park, Bronx, NY

2:55 - 3:04 PM **Adjuvant Pancreatic SBRT for Close or Positive Margins**

Philip Sutera, BS, UPMC Hillman Cancer Center, Pittsburgh, PA



3:05 - 3:14 PM **Stereotactic Body Radiation Therapy with Immunotherapy in the Treatment of Oligometastatic Disease: A Subset Analysis of a Prospective Phase II Trial**

Philip Sutera, BS, UPMC Hillman Cancer Center, Pittsburgh, PA

3:15 - 3:24 PM **Prognostic Factors for SBRT in Pancreatic Cancer: Analysis of the Multi-Institutional RSSearch® Patient Registry Database**

Amanda Rivera, MD, Montefiore Medical Park, Bronx, NY

3:25 - 3:34 PM **Real-Time Magnetic Resonance Guided Liver Stereotactic Body Radiation Therapy**

Jennifer L. Dolan, PhD, Henry Ford Health System, Detroit, MI

3:35 - 3:44 PM **Stereotactic Body Radiotherapy (SBRT) for Colorectal Liver Metastasis - Clinical Outcomes from the International Multi-Institutional RSSearch® Patient Registry**

Pollyanna Leite, MD, Guy's Hospital, London, United Kingdom

3:45 - 4:00 PM **Q&A - Gastrointestinal Session**

After break, return to General Session in Grande Ballrooms B & C.

DETAILED PHYSICS SESSION AGENDA FOR THURSDAY, MARCH 21, 2019

PHYSICS SESSION **Grande Ballroom A**

8:00 - 10:00 AM **Physics Abstract Presentations with Q&A: Part 1**

Moderators:

Jun Yang, PhD, DABR, Philadelphia CyberKnife, Havertown, PA

Grace Kim, PhD, University of California, San Diego, San Diego, CA

8:00 - 8:14 AM **Real-Time Target Tracking in Pancreatic SBRT: Characterizing the Clinical Impact**

Bernard Jones, PhD, University of Colorado School of Medicine, Denver, CO

8:15 - 8:29 AM **Determination of Treatment Margins for Head and Neck Tumors Treated with a Robotic Radiosurgery System using Spine or Skull Tracking**

Justin Hurley, MS, University of Louisville Brown Cancer Center, Louisville, KY



8:30 - 8:44 AM **Dose Discrepancy of External SRS Audit - Investigation of Linac Deliverability Factors**

Kirsty Blythe, MSc, Guy's and St Thomas NHS Foundation Trust, London, United Kingdom

8:45 - 8:59 AM **Determining the Spatial Accuracy of Frameless Linac-Based Radiosurgery for Trigeminal Neuralgia**

Dan Epstein, MS, Assuta Medical Centers, Tel Aviv, Israel

9:00 - 9:14 AM **Comparison of Surrogate Matching Methods for Target Localization with Free-Breathing in Stereotactic Body Radiation Treatment for Liver Tumors**

Shiby Paul, MD, PhD, Montefiore Medical Center/Albert Einstein College of Medicine, Bronx, NY

9:15 - 9:29 AM **Evaluation of a Novel Streamlined Solution for MLC-Based Intracranial SRS**

Everardo Flores-Martinez, PhD, University of California, San Diego, San Diego, CA



9:30 - 9:44 AM **SRS Quality Assurance Using Real-Time Optical Imaging**

Muhammad Ramish Ashraf, BS, Dartmouth College, Hanover, NH



9:45 - 10:00 AM **Towards Application of Cone Beam CT Dosimetry (CBCT-D) to Multifocal SRS End-to-End Testing**

Justus Adamson, PhD, Duke University Medical Center, Durham, NC

10:30 AM - 12:15 PM **Physics Abstract Presentations with Q&A: Part 2**

Moderators:

Steve J. Goetsch, PhD, FAAPM, San Diego Gamma Knife Center, San Diego, CA

Indrin J. Chetty, PhD, FASTRO, Henry Ford Cancer Institute, Detroit, MI

10:30 - 10:44 AM **Plan Quality Control for Single Isocenter Multiple Target Radiosurgery with a Knowledge-Based Optimization Model**

Yun Yang, PhD, Duke University Medical Center, Durham, NC

10:45 - 10:59 AM **Profile Comparisons of Small Dose Volumes between Three Radiosurgery Systems**

Steve Sorensen, PhD, Barrow Neurological Institute (BNI), St. Joseph's Hospital and Medical Center, Phoenix, AZ

CONTINUATION OF DETAILED PHYSICS SESSION AGENDA FOR THURSDAY, MARCH 21, 2019

- 11:00 - 11:14 AM **A Comparison of Intracranial Gross Tumor Volumes Generated on MPRAGE and VIBE MR Protocols**
Amelia Wexler, PhD, University of Missouri, Columbia, MO
- 11:15 - 11:29 AM **Dose Discrepancy of External UK SRS Audit - Investigation of Planning Factors**
Kirsty Blythe, MSc, Guy's and St Thomas NHS Foundation Trust, London, United Kingdom
- 11:30 - 11:44 AM **Monte Carlo Commissioning for CyberKnife Multileaf Collimator and Proposed Acceptance Criteria**
Tatsiana Reynolds, PhD, Minnesota Oncology, Minneapolis, MN
- 11:45 - 11:59 AM **A Beam Applicator for Radiosurgery of the Eye using a Scanning Ion Beam Delivery System**
Michael Moyers, PhD, Shanghai Proton and Heavy Ion Center, Shanghai, China
- Noon - 12:15 PM **An Image-Guided Rotating Gamma Ray System for Intra-/Extra-Cranial SRS/SBRT**
Charlie Ma, PhD, Fox Chase Cancer Center, Philadelphia, PA

1:30 - 2:45 PM Artificial Intelligence and Quantitative Analysis Perspective on Radiation Oncology and SRS/SBRT

Moderators:

Stanley H. Benedict, PhD, FAAPM, University of California, Davis, Davis, CA

Timothy D. Solberg, PhD, FACR, FACMP, FAAPM, FASTRO, University of California, San Francisco, San Francisco, CA

Fang-Fang Yin, PhD, Duke University, Durham, NC

- **Current and Future Artificial Intelligence in Radiation Oncology and SRS/SBRT**
Jackie Wu, PhD, Duke University, Durham, NC
- **The Future of Quantitative Imaging in Radiation Oncology and SRS/SBRT**
Olivier Morin, PhD, University of California, San Francisco, San Francisco, CA

2:45 - 4:00 PM Quality Assurance as It Relates to Various Treatment Systems

Moderators:

Grace Kim, PhD, University of California, San Diego, San Diego, CA

Christoph Fürweger, PhD, European CyberKnife Center, Munich, Germany

- **Quality Assurance for MR-Guided Radiosurgery**
James Balter, PhD, University of Michigan, Ann Arbor, MI
- **The Benefits of Monte Carlo-Based Secondary Dose Calculation in a Comprehensive QA Solution**
Markus Alber, PhD, Heidelberg University, Heidelberg, Germany
- **IROC's External Quality Assurance Audits for Radiosurgery**
Stephen F. Kry, PhD, MD Anderson Cancer Center, Houston, TX

After break, return to General Session in Grande Ballrooms B & C.

FRIDAY, MARCH 22, 2019

6:30 - 7:00 AM Light Breakfast / Coffee Grande Foyer

GENERAL SESSION Grande Ballrooms B & C

7:00 - 9:00 AM Current and Future Approaches to Combining Immunotherapy & Radiosurgery

A joint session hosted by the Radiosurgery Society® ([the RSS](#)) in collaboration with the Society for Immunotherapy of Cancer ([SITC](#)).

Session Chairs:

Mansoor M. Ahmed, PhD, National Cancer Institute/National Institutes of Health, Rockville, MD

Marka R. Crittenden, MD, PhD, Earle A. Chiles Research Institute, Providence Cancer Center, Portland, OR

- **Opening Remarks**
Mansoor M. Ahmed, PhD, National Cancer Institute/National Institute of Health, Rockville, MD
- **Cancer Immunology/Immunotherapy: A Primer for Radiation Oncologists & Medical Physicists**
Alice O. Kamphorst, PhD, Icahn School of Medicine at Mount Sinai, New York, NY
- **Opportunities and Challenges of Combining SBRT and Immunotherapy**
Stephen L. Shiao, MD, PhD, Cedars-Sinai Medical Center and University of California, Los Angeles, Los Angeles, CA
- **Combining Interleukin-2 and SBRT for Melanoma**
Marka R. Crittenden, MD, PhD, Earle A. Chiles Research Institute, Providence Cancer Center, Portland, OR
- **FLT-3 Ligand and SBRT for Lung Cancer**
Chandan Guha, MBBS, PhD, Montefiore Medical Center/Albert Einstein College of Medicine, Bronx, NY
- **Combination Immunotherapy and SBRT for Head & Neck Cancer**
Nadeem Riaz, MD, Memorial Sloan Kettering Cancer Center, New York, NY
- **Closing Remarks**
Marka R. Crittenden, MD, PhD, Earle A. Chiles Research Institute, Providence Cancer Center, Portland, OR

9:00 - 10:15 AM Recent Developments in SRS for Functional Diseases

Moderators:

Michael Schulder, MD, FAANS, Zucker School of Medicine at Hofstra/Northwell, Lake Success, NY

Pantaleo Romanelli, MD, Brain Radiosurgery, CyberKnife Center, CDI, Milan, Italy

- **SRS for Obsessive Compulsive Disorder**
David Mathieu, MD, FRCS(C), Université de Sherbrooke, Sherbrooke, Quebec, Canada
- **SRS for Parkinson's and Epilepsy**
Sameer Sheth, MD, PhD, Baylor College of Medicine, Houston, TX

- **SRS for Trigeminal Neuralgia**
Konstantin V. Slavin, MD, University of Illinois at Chicago, Chicago, IL
- **SRS vs Focused Ultrasound**
Casey Halpern, MD, Stanford University Medical Center, Stanford, CA

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

GENERAL SESSION **Grande Ballrooms B & C**

10:45 AM - Noon Building Collaborative Teams around SRS/SBRT – Exchanging Experiences and Addressing Challenges

Moderator: Brian D. Kavanagh, MD, MPH, FASTRO, University of Colorado, Aurora, CO

Session Chairs:

Iris Gibbs, MD, FACR, FASTRO, Stanford Medical Center, Stanford, CA

Shalom Kalnicki, MD, FASTRO, FACRO, Montefiore Medical Center/Albert Einstein College of Medicine, Bronx NY

Simon S. Lo, MD, FACR, FASTRO, University of Washington, Seattle, WA

Susan C. Pannullo, MD, FAANS, New York-Presbyterian Hospital/Weill Cornell Medical Center, New York, NY

Michael Schulder, MD, FAANS, Zucker School of Medicine at Hofstra/Northwell, Lake Success, NY

- **Preserving Patient Centered Care while mitigating Physician Burnout: The Role of Advanced Practice Providers**
Iris Gibbs, MD, FACR, FASTRO, and Laurie Tupper, NP, AOCNP, Stanford Medical Center, Stanford, CA
- **Developing Multidisciplinary Clinics, Restricting Remote Contouring and Developing Communication Tools between Surgeons and Radiation Oncologists**
Dwight E. Heron, MD, MBA, FACRO, FACR, and David Anthony Clump, II, MD, PhD, UPMC Hillman Cancer Center, Pittsburgh, PA
- **Building the Link between the Lab and Clinic**
Chandan Guha, MBBS, PhD, Montefiore Medical Center/Albert Einstein College of Medicine, Bronx NY
- **Building a Spine Oncology Program from Scratch**
Simon S. Lo, MD, FACR, FASTRO, and Nina Mayr, MD, FASTRO, FAAAS, University of Washington, Seattle, WA
- **RSS-Sponsored Clinical Trials and Talk about Coordinating and Standardizing SRS/SBRT across a Health Care System**
Anand Mahadevan, MD, FRCS, FRCR, Geisinger Health System, Danville, PA
- **Working as a Multidisciplinary Radiosurgery Team: Optimizing Patient Care and Workflow Efficiency**
Susan C. Pannullo, MD, FAANS, and Jonathan Knisely, MD, New York-Presbyterian Hospital/Weill Cornell Medical Center, New York, NY
- **Gamma Knife SRS: Adapting to a World without Frames**
Michael Schulder, MD, FAANS, and Anuj Goenka, MD, Zucker School of Medicine at Hofstra/Northwell, Lake Success, NY



Noon - 1:30 PM Lunch & Exhibit Hall Presentations Pavilion
 12:15 - 12:30 PM Accuray Presentation

GENERAL SESSION Grande Ballrooms B & C

1:30 - 4:15 PM March Madness Showdown Debates

1:45 - 3:00 PM **Debate #1: SRS vs Whole Brain Radiation Therapy for Brain Metastases - Is SRS a Slam Dunk for Brain Metastases?**
 Moderators:
 John J. Kresl, MD, PhD, DABR, FACR, FACRO, Phoenix CyberKnife & Radiation Oncology Center, Phoenix, AZ
 William F. Regine, MD, FACR, FACRO, University of Maryland School of Medicine, Baltimore, MD

- Hany Soliman, MD, FRCPC, University of Toronto, Toronto, Ontario, Canada
- Mark V. Mishra, MD, University of Maryland Medical System, Baltimore, MD

3:00 - 4:15 PM **Debate #2: SBRT vs Focal Ablation Therapy for Primary Renal Cell Carcinoma – Let the Madness Begin**
 Moderators:
 Simon S. Lo, MD, FACR, FASTRO, University of Washington, Seattle, WA
 Najeeb Mohideen, MD, FASTRO, FACR, Northwest Community Hospital, Arlington Heights, IL

- Robert Abouassaly, MD, Cleveland Clinic, Cleveland, OH
- Shankar Siva, PhD, MBBS, FRANZCR, Peter MacCallum Cancer Centre, Melbourne, Australia

4:15 - 4:45 PM Afternoon Break / Visit with Exhibitors Pavilion

CONCURRENT BREAKOUT SESSIONS

4:45 - 6:00 PM Residents Breakout Nautilus 1

Moderators:
 Indrin J. Chetty, PhD, FASTRO, Henry Ford Cancer Institute, Detroit, MI
 Nina Mayr, MD, FASTRO, FAAAS, University of Washington, Seattle, WA
 Susan C. Pannullo, MD, FAANS, New York-Presbyterian Hospital/Weill Cornell Medical Center, New York, NY

4:45 - 4:50 PM **Opening Remarks**
 Stephanie Schaub, MD, University of Washington, Seattle, WA

4:50 - 5:00 PM **Introduction to RSSearch® Patient Registry**
 Justin Tang, MD, Montefiore Medical Park, Bronx, NY

5:00 - 5:10 PM **Example of the H&N Recurrent Manuscript using RSSearch® Patient Registry**
 Hayden Ansinelli, MD, MS, University of Arizona, Tucson, AZ

5:10 - 5:20 PM **Experience using RSSearch® Patient Registry**
 Nitin Ohri, MD, Montefiore Medical Park, Bronx, NY

5:20 - 5:30 PM **Panel Q & A**

5:30 - 5:45 PM **Real-Time RSSearch® Patient Registry Demo to Answer Oligometastatic Questions**

- Aviva Berkowitz, MD, Montefiore Medical Park, Bronx, NY
- Amanda Rivera, MD, Montefiore Medical Park, Bronx, NY
- Justin Tang, MD, Montefiore Medical Park, Bronx, NY

5:45 - 6:00 PM **Open Discussion**

4:45 - 6:00 PM RSSearch® Patient Registry Breakout Nautilus 3

Moderators:

Madhur K. Garg, MD, Montefiore Medical Center/Albert Einstein College of Medicine, Bronx, NY

Jan Jenkins, RN, the Radiosurgery Society®, San Mateo, CA

- **The RSSearch® Patient Registry and Patterns of Care**
Jan Jenkins, RN, the Radiosurgery Society, San Mateo, CA
- **Requesting Registry Data, Verifying and Analyzing the Data, Publishing, Recent Publication Overview**
Raj Singh, MD, Donald and Barbara Zucker School of Medicine/Northwell Health, Hempstead, NY
- **Patient-Centered Outcomes and Paperless Workflow Platform for Integrated Research & Registry Participation**
Iman Martin, Vision Tree, San Diego, CA
- **The Success of RSSearch® Patient Registry, Clinical Outcomes, Patient Quality of Life (Reported Outcomes), and Where We Go From Here**
Andrew Gaya, BSc, MD, MRCP, MBBS, FRCR, The Harley Street Clinic, London, United Kingdom



SATURDAY, MARCH 23, 2019

7:30 - 8:30 AM Breakfast compliments of UPMC Hillman Cancer Centers Pavilion

GENERAL SESSION Grande Ballrooms B & C

8:00 - 10:00 AM Performance & Quality Improvement Session (PQIS) with Case-Based Discussions

Moderators:

Richard D. Bucholz, MD, FACS, St. Louis University Hospital Medical Center, St. Louis, MO

John J. Kresl, MD, PhD, DABR, FACR, FACRO, Phoenix CyberKnife & Radiation Oncology Center, Phoenix, AZ

Christoph Fürweger, PhD, European CyberKnife Center, Munich, Germany

Individual case presentations based on submissions.

PQIS is a restricted session.

No guests, commercial vendors, exhibitors or staff will be allowed into the room.

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

GENERAL SESSION Grande Ballrooms B & C

10:30 AM - Noon Dosimetry Plan Study – SBRT for Pancreatic Cancer

Announcement and presentations of top performing submitted cases

A joint session hosted by the Radiosurgery Society® ([the RSS](#)) in collaboration with the Trans Tasman Radiation Oncology Group ([TROG](#)).

Session Chair: Anand Mahadevan, MD, FRCS, FRCR, Geisinger Health System, Danville, PA

Moderator: Brian Wang, PhD, Yale School of Medicine, New Haven, CT

Expert Panelists

- Daniel Chang, MD, Stanford university Medical Center, Stanford, CA
- Amol Narang, MD, Johns Hopkins Medicine, Baltimore, MD
- Grace Kim, PhD, University of California, San Diego, San Diego, CA

Individual Case Presentations based on Submissions

Noon - 1:00 PM Lunch & RSS Annual Meeting Pavilion

GENERAL SESSION Grande Ballrooms B & C

1:00 - 2:30 PM Lung SABR/SBRT: Current Challenges and Future Directions

Session Chairs:

Ben J. Slotman, MD, PhD, FASTRO, H.FACR, Amsterdam UMC, Amsterdam, The Netherlands

Drew Moghanaki, MD, MPH, Atlanta Veterans Affairs Health Care System and Emory University School of Medicine, Atlanta, GA

- **SBRT for Operable Stage I NSCLC: Lessons from the VALOR Trial**

Drew Moghanaki, MD, MPH, Atlanta Veterans Affairs Health Care System and Emory University School of Medicine, Atlanta, GA



- **Evolving Paradigms for Lung SBRT**
Pamela Samson, MD, MPHS, Washington University, St. Louis, MO
- **The Conundrum of Post-SBRT Thoracic Imaging**
Ben J. Slotman, MD, PhD, FASTRO, H.FACR, Amsterdam UMC, Amsterdam, The Netherlands
- **SBRT for Pulmonary Metastases**
Shankar Siva, PhD, MBBS, FRANZCR, Peter MacCallum Cancer Centre, Melbourne, Australia

HANDS-ON WORKSHOP **Nautilus 1 - 3**

2:45 - 4:30 PM Lung SABR/SBRT: Hands-On Workshop

Moderator: Brian Wang, PhD, Yale School of Medicine, New Haven, CT

- **How to Become an SBRT Treatment Planning Jedi**
Timothy A. Ritter, PhD, DABR, Veterans Affairs Medical Center, and Virginia Commonwealth University, Richmond, VA

- **Q&A with Expert Panelists**

Expert Panelists

- Drew Moghanaki, MD, MPH, Atlanta Veterans Affairs Health Care Systems and Emory University School of Medicine, Atlanta, GA
- Shankar Siva, PhD, MBBS, FRANZCR, Peter MacCallum Cancer Centre, Melbourne, Australia
- Pamela Samson, MD, MPHS, Washington University, St. Louis, MO
- Timothy A. Ritter, PhD, DABR, Veterans Affairs Medical Center, and Virginia Commonwealth University, Richmond, VA

Vendor Station Rotations

- Clinical cases, contouring lessons, planning tips & tricks
- Attendees will have 20-minute rotations to learn and interact with Corporate Vendors and Expert Panelists.

4:30 PM Meeting Adjourns