Rose Ella Burkhardt Brain Tumor and Neuro-Oncology Center, Center for Spine Health, Neurological Institute and Taussig Cancer Institute present the

13th Annual
International Symposium on Stereotactic Body Radiation Therapy and Stereotactic Radiosurgery

February 21-23, 2020
Disney’s Grand Floridian Resort
Lake Buena Vista, FL

www.cccme.org/SBRT
About the Symposium

The 13th Annual International Symposium on Stereotactic Body Radiation Therapy (SBRT) and Stereotactic Radiosurgery (SRS) in Lake Buena Vista, Florida, will bring together world leaders in brain-, spine- and body-targeted stereotactic radiation modalities and techniques. Faculty and participants will have 3 days to discuss advances in the treatment of benign and malignant tumors involving multiple organ sites. A broad range of organ-specific technical and clinical experience will be presented with opportunities to interact with faculty and system vendors. Scientific abstracts will be solicited from attendees for poster presentation sessions.

Target Audience
Radiation Oncologists, Neurosurgeons, Medical Physicists, Dosimetrists, Neuro-Oncologists, Medical Oncologists, Spine Surgeons and Neurologists.

Learning Objectives
• Identify and discuss stereotactic radiation treatments for benign and malignant tumors
• Describe novel targeting and imaging advances as they relate to CNS Radiosurgery and Stereotactic Body Radiation Therapy
• Discuss how to integrate technology into clinical practice

Symposium Faculty

Cleveland Clinic Symposium Directors

LILYANA ANGELOV, MD
Head, Section of Spine Tumors
Rose Ella Burkhardt Brain Tumor and Neuro-Oncology Center

GENE BARNETT, MD, MBA
Director, Rose Ella Burkhardt Brain Tumor and Neuro-Oncology Center

EDWARD BENZEL, MD
Emeritus Chairman, Neurological Surgery

SAMUEL CHAO, MD
Section Head, Center for Cerebral Radiation Necrosis
Rose Ella Burkhardt Brain Tumor and Neuro-Oncology Center
Staff, Radiation Oncology

JOHN SUH, MD
Chairman, Radiation Oncology

Faculty

MANMEET AHLUWALIA, MD
Cleveland Clinic

EHSAN BALAGAMWALA, MD
Cleveland Clinic

IRIS C. GIBBS, MD
Stanford University

RUPESH KOTECHA, MD
Miami Cancer Institute

JOHN Y.K. LEE, MD, MSCE
University of Pennsylvania School of Medicine

JING LI, MD, PhD
MD Anderson Cancer Center

BILLY W. LOO, Jr., MD, PhD
Stanford University

L. DADE LUNSFORD, MD
University of Pittsburgh

ALIREZA MOHAMMADI, MD
Cleveland Clinic

ERIN MURPHY, MD
Cleveland Clinic

SUDISH MURTHY, MD, PhD
Cleveland Clinic

SAMUEL RYU, MD
Stony Brook University

DAVID SCHLESINGER, PhD
University of Virginia

BEN SLOTMAN, MD, PhD
Amsterdam UMC

KEVIN STEPHANS, MD
Cleveland Clinic

RAHUL TENDULKAR, MD
Cleveland Clinic

ROBERT TIMMERMAN, MD
UT Southwestern Medical Center

DANIEL M. TRIFILETTI, MD
Mayo Clinic

www.ccfcme.org/SBRT
Thursday, February 20, 2020
6:00-7:30 pm  Early Registration and Welcome Reception

Friday, February 21, 2020
6:30 am  Registration/Continental Breakfast/Exhibits/Posters – Salons 7-9
7:30 am  Lilyana Angelov – Welcome – Salon 6

**Brain SRS – Moderated by Gene Barnett**
7:45 am  Alireza Mohammadi – Treating Multiple Brain Metastases
8:05 am  Lilyana Angelov – Management of Large Brain Metastases
8:25 am  Samuel Chao – Radiation Necrosis/ARE: Challenges in Diagnosis and Treatment
8:45 am  Gene Barnett – LITT as Salvage Therapy Post Radiosurgery
9:05 am  John Suh – Radiosurgery and Gliomas
9:25 am  Daniel M. Trifiletti – Carbon Ion Therapy in the Treatment of Gliomas
9:45 am  L. Dade Lunsford – Lessons Earned in the 32 year Management of 2000 Skull Base Schwannomas
10:05 am  Questions & Answers
10:30 am  Refreshment Break & Exhibits

**Spine SRS – Moderated by Lilyana Angelov**
10:55 am  Edward Benzel – Surgery for Benign and Malignant Spine Tumors
11:15 am  Ehsan Balagamwala – Radiosurgery for Benign Spine Tumors
11:35 am  Lilyana Angelov – Trends in Spine Radiosurgery
11:55 am  Samuel Ryu – Spine Radiosurgery Post RTOG 0631: Lessons Learned and Future Directions
12:15 pm  Jing Li – Combination of SSRS and LITT for Treatment of Spine Metastases with Epidural Extension
12:35 pm  Questions & Answers
1:00 pm  Adjourn

Saturday, February 22, 2020
7:15 am  Continental Breakfast/Exhibits/Posters

**Plenary Session I: How I Treat – Moderated by John Suh**
7:45 am  Samuel Chao – Radiobiology for Radiosurgery in Single and Multi Session Treatment
8:10 am  David Schlesinger – Protons vs Photons for Radiosurgery
8:35 am  Ben Slotman – SMART: A Novel SABR Technique
9:00 am  L. Dade Lunsford – Lesional Surgery for Movement Disorders: SRS vs HIFU
9:25 am  Manmeet Ahluwalia – Systemic Therapy: Monotherapy vs Combination Therapy for Brain Metastasis
9:50 am  Questions & Answers
10:15 am  Refreshment Break/Exhibits/Posters

www.ccfcme.org/SBRT
Plenary Session II: Debates – Moderated by Ed Benzel

10:40 am  Frameless vs Frame Radiosurgery  
Jing Li vs John Y.K. Lee

11:15 am  Pre Op vs Post Op SRS for Brain Mets  
John Suh vs Iris C. Gibbs

11:50 am  Questions & Answers

12:05 pm  Medical Therapy vs Radiosurgery for Brain Metastases  
Manmeet Ahluwalia vs Gene Barnett

12:40 pm  Resection vs SBRT for Lung Cancer  
Robert Timmerman vs Sudish Murthy

1:15 pm  Questions & Answers

1:30 pm  Adjourn

6:30-9:30 pm  Reception/Dinner at Epcot – Includes viewing of Epcot Forever show  
Bus transportation will be provided.

Sunday, February 23, 2020

7:30 am  Continental Breakfast/Exhibits/Posters

Concepts of the Future – Moderated by Kevin Stephans

8:00 am  Sudish Murthy – Image Guidance: Past, Present and Future from a Surgical Perspective

8:20 am  Rupesh Kotecha – Role of Radiosurgery in Oligometastatic Disease

8:40 am  Billy W. Loo, Jr. – FLASH Radiotherapy: Preclinical to Clinical Translation

9:00 am  Ben Slotman – Hot Topics and Future Directions

9:20 am  Robert Timmerman – Economics of Radiosurgery

9:40 am  Questions & Answers

10:05 am  Refreshment Break/Exhibits/Posters

Multi-Organ SBRT – Moderated by Samuel Chao

10:25 am  Iris C. Gibbs – Stereotactic Radiosurgery for Spinal Cord Arteriovenous Malformations (AVM)

10:45 am  Erin Murphy – Radiosurgery for Ewing’s and Osteosarcoma

11:05 am  Kevin Stephens – SBRT for Liver Tumors: Technique, Targets and Toxicity

11:25 am  Rahul Tendulkar – SBRT for Prostate Cancer: Novel Applications for Today and the Future

11:45 am  Kevin Stephens – SBRT for Stage I NSCLC: Controversies and Complicated Cases

12:05 pm  Questions & Answers

12:30 pm  Adjourn

Call for Abstracts

Abstracts will be solicited for poster presentations that will be on display throughout the symposium. Participants will be notified of acceptance by January 15, 2020.

- Deadline date: January 8, 2020. One entry per presenter.
- Submit your abstract as a Word Document to Brigid Walters at walterb4@ccf.org
- 300 word limit

Faculty Disclosure

The Cleveland Clinic Foundation Center for Continuing Education has implemented a policy to comply with the current Accreditation Council for Continuing Medical Education Standards for Commercial Support requiring resolution of all faculty conflicts of interest. Faculty declaring a relevant commercial interest will be identified in the activity syllabus.

www.ccfcme.org/SBRT
Register Online: www.ccfcme.org/SBRT

Symposium Fee Includes:
Continental Breakfasts, Refreshment Breaks, Welcome Reception on Thursday, Reception/Dinner on Saturday, and Online Syllabus.

<table>
<thead>
<tr>
<th>Category</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physician/Surgeon</td>
<td>$700</td>
</tr>
<tr>
<td>International (practice outside USA) Physician/Surgeon</td>
<td>$500</td>
</tr>
<tr>
<td>Resident*, Fellow*, Non-Physician</td>
<td>$400</td>
</tr>
<tr>
<td>Cleveland Clinic Alumni</td>
<td>$575</td>
</tr>
</tbody>
</table>

*Letter from program chairman or department chairman is required to receive the discounted Resident/Fellow registration.

Additional tickets for Reception/Dinner – $75 per person age 10 and up and $40 per Child age 3 to 9.

Registration and Cancellation
Preregistrations are accepted online through Monday, February 17, 2020. To register after this date, please do so onsite. In case of cancellation, a full refund will be made if canceled by January 24, 2020. After January 24, 2020, a $75 cancellation fee will be deducted from your refund. Written notification of your cancellation is required in order to process your refund. NO REFUNDS WILL BE ISSUED AFTER FEBRUARY 7, 2020.

For questions about registration, please call 216.448.8710 or email cmeregistration@ccf.org.

www.ccfcme.org/SBRT
13th Annual International Symposium on Stereotactic Body Radiation Therapy and Stereotactic Radiosurgery

February 21-23, 2020
Disney’s Grand Floridian Resort
Lake Buena Vista, FL