



Neurological Institute and the
Taussig Cancer Institute present

17th Annual

Brain Tumor Update

6th Annual

International Symposium on Long-Term Control of Metastases to the Brain and Spine

November 7-8, 2015

The Cosmopolitan of Las Vegas



About the Symposium

This symposium will examine the therapeutic strategies in the management of central nervous system tumors and metastases. The current treatment and innovative therapeutic approaches in treatment of glioma will be reviewed. There will be additional focus on the tumors of the vestibular schwannomas and emerging interventions in these tumors.

Objectives

At the completion of this activity, the participant will be able to:

- Discuss the roles of surgery, radiation therapy and systemic therapy in the therapy of central nervous system tumors and metastases.
- Discuss the management of vestibular schwannomas.
- Discuss the innovative therapeutic approaches in treatment of brain metastases, tumors of the spine and gliomas.

Target Audience

Neurosurgeons, Radiation Oncologists, Medical Oncologists, Neuro-oncologists, Neurologists, Physician Assistants, Nurse Practitioners, Nurses and allied healthcare professionals who work with patients with tumors.



Cleveland Clinic Symposium Co-Directors

Manmeet Ahluwalia, MD, FACP

Director, Brain Metastasis Research Program
Rose Ella Burkhardt Brain Tumor and
Neuro-Oncology Center

Lilyana Angelov, MD

Section Head 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

David Peereboom, MD

Director, Clinical Research
Rose Ella Burkhardt Brain Tumor and
Neuro-Oncology Center

Pablo Recinos, MD

Section Head, Minimally Invasive Skull Base
Neurosurgery
Rose Ella Burkhardt Brain Tumor and
Neuro-Oncology Center

John Suh, MD

Chairman, Radiation Oncology

Guest Faculty

Mark Bilsky, MD

Memorial Sloan-Kettering Cancer Center
New York, NY

Eric L. Chang, MD

Keck School of Medicine of USC
University of Southern California
Los Angeles, CA

Clark Chen, MD, PhD

University of California San Diego
San Diego, CA

Minesh Mehta, MD

University of Maryland Medical Center
Baltimore, MD

Eduardo Lovo, MD

Centro Internacional de Cáncer
Instituto de Neurociencias
San Salvador, El Salvador

David Reardon, MD

Dana-Farber Cancer Institute
Boston, MA

Raymond Sawaya, MD

MD Anderson Cancer Center
Houston, TX

Michael Schulner, MD

Hofstra North Shore LIJ School of Medicine
North Shore University Hospital
Manhasset, NY

Steven A. Toms, MD, MPH

Geisinger Medical Center
Danville, PA

Cleveland Clinic Faculty

Edward Benzel, MD

Neurological Surgery

Samuel Chao, MD

Rose Ella Burkhardt Brain Tumor and
Neuro-Oncology Center

Erin Murphy, MD

Rose Ella Burkhardt Brain Tumor and
Neuro-Oncology Center

Violette Recinos, MD

Rose Ella Burkhardt Brain Tumor and
Neuro-Oncology Center

Glen Stevens, DO, PhD

Rose Ella Burkhardt Brain Tumor and
Neuro-Oncology Center

Michael Vogelbaum, MD, PhD

Rose Ella Burkhardt Brain Tumor and
Neuro-Oncology Center

Johannes Wolff, MD

Rose Ella Burkhardt Brain Tumor and
Neuro-Oncology Center

Agenda

Saturday, November 7, 2015

6th Annual International Symposium on Long-Term Control of Metastases to the Brain and Spine

9:00 am **Registration/Continental Breakfast/Exhibits**

10:00 am **Welcome and Introductions** – *Gene Barnett*

Spinal Tumors and Metastases – Moderator: Lilyana Angelov

10:10 am **The Evolution of Spine Tumor Surgery** – *Edward Benzel*

10:30 am **Spine Radiosurgery – A Decade Later** – *Lilyana Angelov*

10:50 am **Single-fraction versus Hypo-fractionation Outcomes for Spine Tumors**
Eric Chang

11:10 am **When Non-focal Treatments Are Indicated in the Management of Spine Tumors** – *John Suh*

11:30 am **Impact of Targeted Therapy on Spine Metastases and Their Management** – *Mark Bilsky*

11:50 am **Lunch**

Brain Metastases – Moderator: John Suh

12:50 pm **Mechanism of Brain Metastases** – *Steven Toms*

1:10 pm **Radiosurgery Resistant Brain Metastases** – *John Suh*

1:30 pm **SRS for Brain Metastases: A Moving Target** – *Eric Chang*

1:50 pm **Diagnosis and Treatment of Cerebral Radiation Necrosis** – *Samuel Chao*

2:10 pm **Principles of General Chemotherapy and Emerging Therapeutic Options in Breast Cancer** – *David Peereboom*

2:30 pm **Refreshment Break/Exhibits/Posters**

New Frontiers in Brain Metastases – Moderator: Manmeet Ahluwalia

2:50 pm **Novel Approaches to Whole Brain Radiation Therapy/Methods to Decrease Toxicity** – *Minesh Mehta*

3:10 pm **Management of Radiosurgical Resistant Brain Metastases and Role of LITT in Management of Brain Metastases** – *Clark Chen*

3:30 pm **Targeted and Immunotherapy in Melanoma & Lung Brain Metastases**
Manmeet Ahluwalia

3:50 pm **Staged Gamma Knife Radiosurgery for the Treatment of Large Brain Metastases** – *Lilyana Angelov*

4:10 pm **Management of Brain Metastases in Central America** – *Eduardo Lovo*

4:30 pm **Adjourn**

6:30pm **Reception**

Register online at www.ccfcmc.org/BrainMets15

Sunday, November 8, 2015

17th Annual Brain Tumor Update

9:00 am **Registration/Continental Breakfast/Exhibits**

Vestibular Schwannomas & Hearing Preservation – Moderator: Pablo Recinos

9:30 am **Early Observation and Medical Management** – *David Peereboom*

9:50 am **Benefits and Risks of Early Radiosurgery** – *Michael Schulder*

10:10 am **Benefits and Risks of Early Microsurgery** – *Pablo Recinos*

10:30 am **Debate – Radiosurgery vs. Microsurgery for Vestibular Schwannomas**
Michael Schulder vs. Pablo Recinos

Gliomas – Moderator: David Peereboom

10:50 am **Targeted Therapy of Pediatric Gliomas** – *Johannes Wolff*

11:10 am **Reirradiation for Pediatric and Adult Brain Tumors** – *Erin Murphy*

11:30 am **Lunch**

12:30 pm **Pediatric Surgical Issues** – *Violette Recinos*

12:50 am **Medical Management of Gliomas** – *Glen Stevens*

1:10 am **Role of Extent of Resection in Gliomas** – *Raymond Sawaya*

1:30 pm **Refreshment Break/Exhibits/Posters**

New Directions – Moderator: Gene Barnett

1:50 pm **Immunotherapy Approaches to Gliomas** – *David Reardon*

2:10 pm **Treating Tumor Fields (TTF)** – *Manmeet Ahluwalia*

2:30 pm **Convection Enhanced Delivery for Brain Tumors** – *Michael Vogelbaum*

2:50 pm **LITT in Gliomas** – *Gene Barnett*

3:10 pm **Adjourn**

**Application has been submitted to The American Board of Radiology
for partial SAM credit. Approval is pending.**

Call For Papers

Poster and platform participants will be solicited for poster presentations. Posters will be on display throughout the symposium. Poster session participants will be notified of acceptance as well as poster size and content requirements on or before October 9, 2015.

Abstract Requirements

- **Deadline date:** September 30, 2015. One entry per presenter.
- Submit your abstract as a Word document to Brigid Ring at ringb@ccf.org
- 300 word limit

Register online at www.ccfcmc.org/BrainMets15

Location

The Cosmopolitan of Las Vegas
3708 S. Las Vegas Blvd.
Las Vegas, NV 89109
Telephone: 702.698.7000

Hotel Reservations

A block of rooms has been reserved at The Cosmopolitan of Las Vegas for a special meeting rate of \$209. A daily resort fee of \$25 plus the current room tax of 12% will be charged in addition to the room rate. To secure this rate, you must make your reservation by **Friday, October 9, 2015**. Contact the hotel reservations department by phone at 702.698.7575 or 855.435.0005 or online at <https://resweb.passkey.com/go/SCLLV5>. Please identify yourself as being part of the Cleveland Clinic meeting to obtain the special rate.

Registration and Cancellation Information

Register at **www.ccfcm.org/BrainMets15**. Deadline for registration for the symposium is **5:00 pm (EST), Monday, November 2, 2015**. A request for a refund must be received in writing by Friday, October 23, 2015. No refunds will be given after October 23, 2015. A \$50 cancellation fee will be deducted from the refund for all cancellations.

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

Americans with Disabilities Act

The Cleveland Clinic Foundation Center for Continuing Education fully intends to comply with the legal requirements of the Americans with Disabilities Act. If you need assistance, please notify Brigid Ring at 216.445.0754 or ringb@ccf.org at least two weeks prior to the activity.

Accreditation

The Cleveland Clinic Foundation Center for Continuing Education is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Cleveland Clinic Foundation Center for Continuing Education designates this live activity for a maximum of 9.5 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Participants claiming CME credit from this activity may submit the credit hours to the American Osteopathic Association for Category 2 credit.

The Ohio Board of Nursing will accept at face value the number of contact hours awarded for an educational activity that has been approved for CE by a nationally accredited system of CE approval.

Nurses are able to obtain CE that has been approved or provided by a nationally recognized accreditation system of continuing education.

Examples include:

- The American Nurses Credentialing Center (ANCC)
- The Accreditation Council for Continuing Medical Education (ACCME)
- The International Association for Continuing Education and Training (IACET)

Faculty Disclosure Statement

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.

Information

For additional information: contact Brigid Ring – 800.223.2273 ext. 50754/(e-mail) ringb@ccf.org / (fax) 216.636.5101

17th Annual

Brain Tumor Update and

6th Annual

International Symposium on Long-Term Control of Metastases to the Brain and Spine

November 7-8, 2015

The Cosmopolitan of Las Vegas

Course # 02010510

Register Online At:

www.ccfcm.org/BrainMets15

CCF employees should check fees and register online at the above web address.

(Please type or print clearly)

Name _____ Degree _____
First M.I. Last

Company/Organization _____

Address _____

City, State, Zip Code, Country _____

Phone # _____ Fax # _____

E-mail _____

Specialty _____

Symposium Registration Fee - Two Days *(Check appropriate box)*

Symposium fee includes registration materials, continental breakfasts, lunches, and reception.

☐ Physician/Surgeon: \$495

☐ International (practice outside USA) Physician/Surgeon: \$395

☐ PhD: \$295

☐ Resident*, Fellow*: \$295

☐ Nurse/NP, PA: \$195

☐ CCF Alumni: \$297

*Letter from program chairman or department chairman must accompany Resident/Fellow registration.

☐ I require a vegetarian meal

☐ I will attend the reception on Saturday, November 7

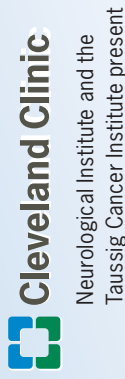
☐ I will bring a guest to the reception (no charge)

Total Amount: \$ _____

Make check payable and mail to:

The Cleveland Clinic Educational Foundation, PO Box 931653, Cleveland, OH 44193-1082

If you would like to register using a credit card, please go to www.ccfcm.org/BrainMets15 or call 216.448.8710 where it will be handled directly by a certified processor.



The Cleveland Clinic Foundation
Neurological Institute
9500 Euclid Ave., S100
Cleveland, OH 44195

17th Annual

Brain Tumor Update

6th Annual

International Symposium on Long-Term Control of Metastases to the Brain and Spine

November 7-8, 2015

The Cosmopolitan of Las Vegas

Register online at www.ccfcmc.org/BrainMets15