



Keck School of
Medicine of **USC**

22nd Annual

Brain Tumor Update

11th Annual

Symposium on Brain Metastases and Spine Tumors

October 29-30, 2021

Virtual Live Stream



www.ccfcmc.org/BrainMets

About the Course

22nd Annual

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About the Symposium

The 22nd Annual Brain Tumor Update and the 11th Annual Symposium on Brain Metastases and Spine Tumors is co-provided by Cleveland Clinic and Keck School of Medicine of the University of Southern California. This advanced multidisciplinary virtual meeting is led by expert faculty from Cleveland Clinic and USC, with additional internationally recognized guest faculty. This symposium is designed to improve competence to assess and treat patients with brain tumors and primary tumors of the spine, especially as it relates to comparing treatments for brain metastases and primary spine tumors, evaluating new technologies, treating vestibular schwannomas, and assessing and treating gliomas, with the overall goal of improving outcomes in these patient populations.

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.

Objectives

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

- Summarize innovations in imaging, treatment, resection, and medical therapy for primary bone tumors of the spine.
- Critically appraise the issues for brain metastases treatment including neoadjuvant vs adjuvant radiosurgery, surgical treatments, immunotherapy, radiation therapy, and management of radiation necrosis.
- Describe the technological innovations in imaging, radiation, and surgery for brain tumor management and define their role in clinical practice.
- Review how developments in the recognition and management of vestibular schwannomas have improved outcomes, especially in quality of life.
- Describe advances in genomics, imaging, neuropathy, and medical management of gliomas.

Call For Papers

Abstracts will be solicited for electronic poster presentations. Electronic posters will be on display during breaks and lunch. Poster participants will be notified of acceptance as well as the Power Point poster format and content requirements on or before October 4, 2021.

Abstract Requirements

- **Deadline date:** September 30, 2021. One entry per presenter.
- Submit your abstract as a Word document to Brigid Walters at walterb4@ccf.org
- 300 word limit

Cleveland Clinic Symposium Co-Directors

Gene Barnett, MD, MBA

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

Ajit Krishnaney, MD

Vice Chair, Department of Neurosurgery
Director, Spine Tumor Surgery Program
Center for Spine Health

David Peereboom, MD

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

Pablo Recinos, MD

Section Head, Skull Base Surgery
Rose Ella Burkhardt Brain Tumor and Neuro-Oncology Center

John Suh, MD, FASTRO

Chairman, Radiation Oncology

Keck School of Medicine of USC Symposium Co-Directors

Eric Chang, MD

Chair and Professor of Radiation Oncology

Steven Giannotta, MD

Chair and Professor of Neurological Surgery

Gabriel Zada, MD, MS

Associate Professor of Neurological Surgery

Faculty

Jay Acharya, MD

Keck School of Medicine of USC

Lilyana Angelov, MD

Cleveland Clinic

F. David Barranco, MD

Barrow Neurological Institute

Patrick Byrne, MD, MBA

Cleveland Clinic

Susan Chang, MD

University of California San Francisco

Samuel Chao, MD

Cleveland Clinic

Frances Chow, MD

Keck School of Medicine of USC

Patrick Hsieh, MD

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Kyle Hurth, MD, PhD

Keck School of Medicine of USC

Lindsay Hwang, MD

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Gino K. In, MD, MPH

Keck School of Medicine of USC

Varun Kshettry, MD

Cleveland Clinic

Alireza Mohammadi, MD

Cleveland Clinic

Erin Murphy, MD

Cleveland Clinic

Gennady Neyman, PhD

Cleveland Clinic

Neha Patel, MD

Cleveland Clinic

Mark S. Shiroishi, MD, MS, FASFR

Keck School of Medicine of USC

Courtney Voelker, MD, PhD

Keck School of Medicine of USC

Jason Ye, MD

Keck School of Medicine of USC

Joseph Zabramski, MD

Barrow Neurological Institute

Agenda

Friday, October 29, 2021 - Eastern Time

11th Annual Symposium on Brain Metastases and Spine Tumors

12:30 pm **Log In/Virtual Exhibits/Virtual Poster Session**

1:00 pm **Welcome and Introductions** – *Gene Barnett*

Update on Primary Bone Tumors of the Spine – Moderator: *Ajit Krishnaney*

1:10 pm **Imaging of Primary Spine Tumors** – *Jay Acharya*

1:30 pm **Treatment Paradigms – Primary Bone Tumors** – *Patrick Hsieh*

1:50 pm **En Bloc Resection / Sacrectomy** – *Ajit Krishnaney*

2:10 pm **Current State of Medical Therapies for Primary Bone Tumors**
David Peereboom

2:30 pm **Break/Virtual Exhibits**

2:45 pm **Radiosurgery for Primary Tumors of Skull Base and Spine** – *Eric Chang*

3:05 pm **Management of Primary Tumors at the Skull Base** – *Pablo Recinos*

3:25 pm **Faculty Panel – Case Discussion**

Brain Metastases – Moderator: *Eric Chang*

3:45 pm **2-Stage Gamma Knife** – *Lilyana Angelov*

4:05 pm **Neoadjuvant Radiosurgery vs. Adjuvant Radiosurgery for Brain Metastases** – *Erin Murphy vs Jason Ye*

4:25 pm **Break/Virtual Exhibits**

4:40 pm **LITT for Radiation Necrosis** – *Alireza Mohammadi*

5:00 pm **Surgical Management of Brain Metastases** – *Gabriel Zada*

5:20 pm **Immunotherapy for Brain Metastases** – *Gino K. In*

5:40 pm **Management of Radiation Necrosis** – *Samuel Chao*

6:00 pm **7 Tesla MRI for Brain Metastases** – *Lindsay Hwang*

6:20 pm **Adjourn**

A five-minute Q&A will be included in each presentation.

Agenda

Saturday, October 30, 2021 - Eastern Time

22nd Annual Brain Tumor Update

12:30 pm **Log In/Virtual Exhibits/Virtual Poster Session**

Technology and Brain Tumor Management – Moderator: *Gene Barnett*

1:00 pm **Frame Stability** – *Gennady Neyman*

1:20 pm **LITT for the Treatment of Gliomas** – *Gene Barnett*

1:40 pm **Gyroscopic Radiosurgery** – *F. David Barranco*

2:00 pm **Surgically Targeted Radiation Therapy** – *Joseph Zabramski*

2:20 pm **Break/Virtual Exhibits**

Vestibular Schwannomas & Quality of Life – Moderator: *Pablo Recinos*

2:35 pm **Natural History of Untreated Vestibular Schwannomas: Growth Patterns and Hearing** – *Courtney Voelker*

2:55 pm **Maximal Safe Resection vs. Planned Subtotal Resection followed by Radiosurgery** – *Steve Giannotta*

3:15 pm **Radiosurgery for Vestibular Schwannomas** – *John Suh*

3:35 pm **Quality of Life Outcomes After Surgery and Radiosurgery for Vestibular Schwannomas** – *Varun Kshetty*

3:55 pm **Management of Vestibular Schwannomas in Neurofibromatosis-2 (NF-2)** – *Neha Patel*

4:15 pm **Facial Nerve Reanimation After Facial Nerve Injury** – *Patrick Byrne*

4:35 pm **Break/Virtual Exhibits**

Gliomas – Moderator: *John Suh*

4:50 pm **Neuropathology** – *Kyle Hurth*

5:10 pm **Imaging of Gliomas** – *Mark S. Shiroishi*

5:30 pm **Immunotherapy of Gliomas** – *Frances Chow*

5:50 pm **Design and Promising approaches to Clinical Trials** – *Susan Chang*

6:10 pm **Adjourn**

A five-minute Q&A will be included in each presentation.

General Information

Information

For additional information: contact Shana Spade – 800.223.2273 ext. 49380
(e-mail) spades@ccf.org

Accreditation

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

The Cleveland Clinic Foundation Center for Continuing Education designates this internet live activity for a maximum of 9.50 *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.

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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 Shana Spade at 216.444.9380 or spades@ccf.org at least two weeks prior to the activity.

Symposium Registration is Complimentary

Registration includes: Access to live stream, faculty PowerPoint presentations in PDF format and access to the archived live stream recordings post symposium.

To obtain continuing education credits, registrants must participate in the live online activity October 29-30, 2021.

Registration and Cancellation Information

Preregistrations are accepted online until, **October 28, 2021**.

If you need to cancel, email cmeregistration@ccf.org.

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

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