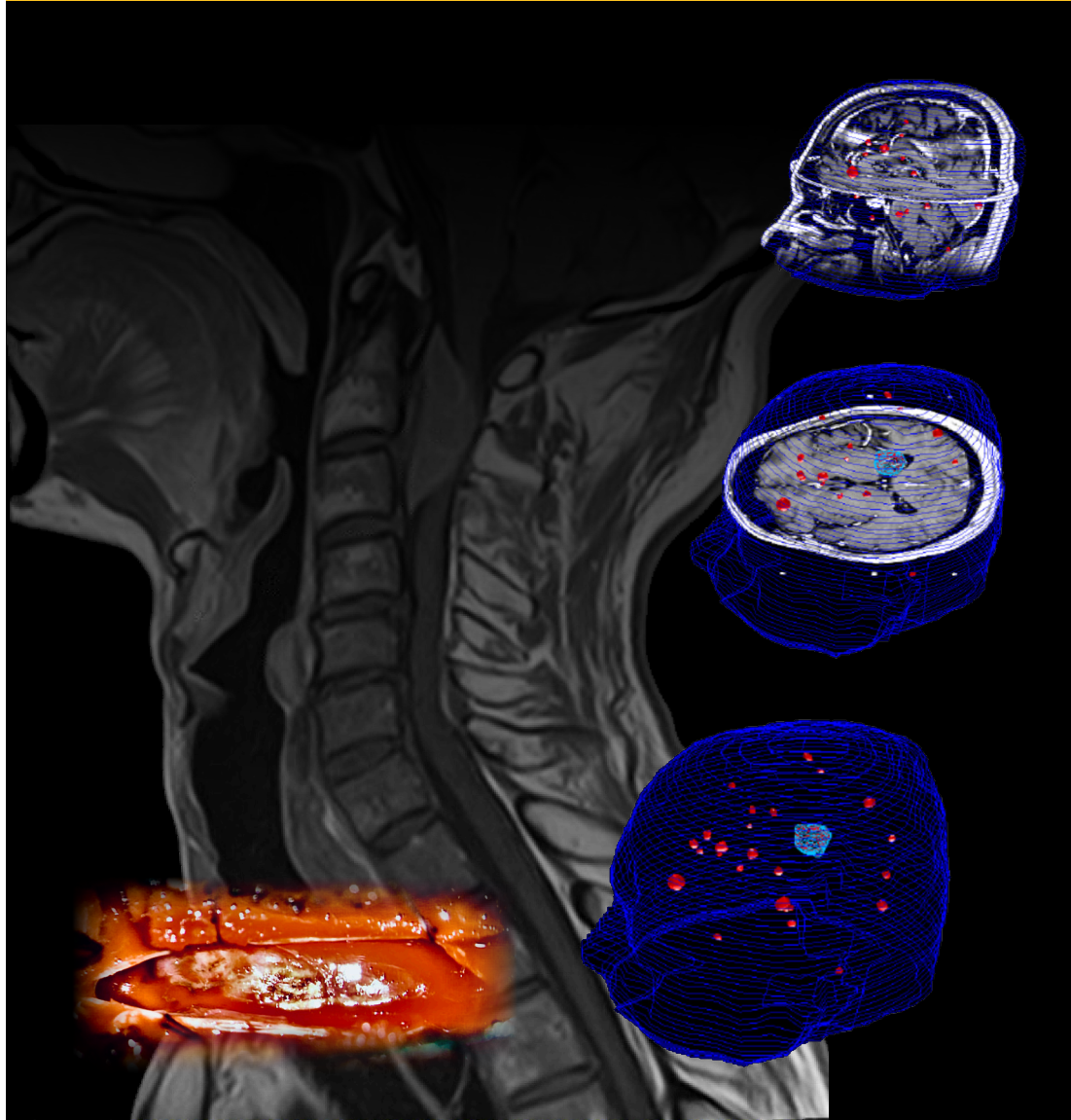


25th Annual Brain Tumor Update and 14th Annual Symposium on Brain Metastases and Spine Tumors

November 2-3, 2024
Moxy + AC Hotel
Downtown Los Angeles
Live Conference



Keck School of
Medicine of **USC**

*Presented by:
Cleveland Clinic and
USC Office of Continuing Medical Education*



PROGRAM AGENDA

November 2, 2024

7:30 am **Registration and Breakfast**

8:20 am **Welcome**
*Eric Chang, MD and
Gabriel Zada, MD*

Session I: Gliomas

Moderator: Frances Chow, MD

8:30 am **Advanced Imaging of Gliomas and 7T Imaging**
Mark Shiroishi, MD, MS

8:50 am **LITT for Gliomas**
Gene Barnett, MD, MBA

9:10 am **Immunotherapy and TTF/EMF for Gliomas**
David Tran, MD, PhD

9:30 am **Blue Light Endoscopy for Gliomas**
Gabriel Zada, MD, MS

9:50 am **Break**

10:05 am **SRS for Gliomas: Is There a Role?**
Scott Soltys, MD

10:20 am **Pathology of Brain Tumors**
Nichole Allen, MD

10:50 am **Medical Management of Gliomas-Major Questions and Practice-Changing Trials**
David Peereboom, MD

11:10 am **Taking Care of Your Patient: Supportive Care in Management of Gliomas**
Glen Stevens, DO, PhD

11:30 am **Long-Noncoding RNA in Glioma**
Frank Attenello, MD, MS

11:50 am **Liquid Biopsy and Biomarker Development in Gliomas**
Frances Chow, MD

12:10 pm **Lunch**

Session II: Pituitary

*Moderators: Gabriel Zada, MD, MS,
John Carmichael, MD and
Pablo Recinos, MD*

1:05 pm **Advances in the Diagnostics and Treatment of Cushing's Disease**
John Carmichael, MD

1:25 pm **Endoscopic Skull Base Surgery: Emerging Platforms**
Pablo Recinos, MD

1:45 pm **Advances in Diagnostics and Treatment of Acromegaly**
Divya Yogi-Morren, MD

2:05 pm **Modern Endoscopic Surgery for Pituitary Adenomas**
Gabriel Zada, MD

2:25 pm **Stereotactic Radiosurgery for Pituitary Adenomas**
John Suh, MD

2:45 pm **Break**

3:00 pm **Updated Pathology of PitNets**
Kyle Hurth, MD, PhD

3:20 pm **Medical and Chemotherapeutic Options for Refractory PitNets**
Frances Chow, MD

3:40 pm **Visual Assessment of Patients with Pituitary Lesions**
Kimberly Gokoffski, MD, PhD

4:00 pm **The Sella: Complex Case Presentations**
John Carmichael, MD

*Frances Chow, MD
Kimberly Gokoffski, MD, PhD
Kyle Hurth, MD, PhD*

*Pablo Recinos, MD
John Suh, MD
Divya Yogi-Morren, MD
Gabriel Zada, MD, MS*

4:55 pm **Closing Remarks**

5:00 pm **Adjourn**

PROGRAM AGENDA

November 3, 2024

7:30 am **Registration and Breakfast**

Session III: Spine Tumors

Moderator: Patrick Hsieh, MD

- 8:30 am **Multicenter Outcomes for Spine Registry Database**
Lilyana Angelov, MD
- 8:50 am **Advances in Imaging for Spinal Tumors**
Todd Emch, MD
- 9:10 am **Treatment Paradigms for Metastatic Spine Tumors**
Patrick Hsieh, MD
- 9:30 am **Surgical and Interventional Options for Palliation of Pain Secondary to Spinal Metastases**
Ajit Krishnaney, MD
- 9:50 am **radiosurgery for Spinal Metastatic Tumors**
Eric Chang, MD
- 10:05 am **Spinal Tumor Board: Case Presentations**
Moderator: Ajit Krishnaney, MD
Lilyana Angelov, MD
Eric Chang, MD
Todd Emch, MD
Patrick Hsieh, MD
- 10:25 am **Break**
- 10:40 am **Phase II Trial of a Replication Competent Retrovirus in Newly Diagnosed Malignant Gliomas**
Thomas Chen, MD, PhD
- 11:00 am **MIS Surgery for Spinal Tumors**
John Liu, MD
- 11:20 am **Impact of Targeted Therapy on Spine Metastases and Their Treatment**
Mark Malkin, MD
- 11:40 am **When is Enough Enough? Palliation for Spinal Tumors**
Edward Benzel, MD
- 11:55 am **Lunch**

Session IV: Brain Metastases

Moderator: Lilyana Angelov, MD

- 12:55 pm **Microenvironment and Topography for Brain Metastases**
Josh Neman, PhD
- 1:15 pm **Neoadjuvant Radiosurgery for Brain Metastases**
Erin Murphy, MD
- 1:35 pm **Port-Based Surgical Resection of Brain Metastases**
Pranay Soni, MD
- 1:55 pm **Staged Radiosurgery for Brain Metastases**
Matthew Grabowski, MD
- 2:15 pm **Debate: Frame Based vs. Frameless**
Gennady Neyman, PhD
Cheng Yu, PhD
Lijun Ma, PhD
- 2:50 pm **SRS for the Resection Cavity**
Jason Ye, MD
- 3:10 pm **Management of Radiation Necrosis**
Samuel Chao, MD
- 3:30 pm **Debate: SRS vs. Fractionated SRT**
Adam Garsa, MD
Samuel Chao, MD
- 3:50 pm **Closing Remarks**
Eric Chang, MD
Gabriel Zada, MD, MS
- 4:00 pm **Adjourn**

This conference is supported by an endowed lectureship known as The Henry L. Jaffe, MD Annual Oration in Therapeutic Radiology

FACULTY

SYMPOSIUM DIRECTORS

Keck School of Medicine of USC

Eric Chang, MD, FASTRO, FARS

Professor and Chair
Department of Radiation Oncology

Gabriel Zada, MD, MS, FAANS, FACS

Professor of Neurological Surgery,
Otolaryngology and Internal Medicine
Director, USC Brain Tumor Center
Department of Neurological Surgery

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David Peereboom, MD

Director, Clinical Research
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

Pablo Recinos, MD

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

John Suh, MD, FASTRO

Chair, Radiation Oncology

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Gennady Neyman, PhD

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Mark Shiroishi, MD, MS

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Scott Soltys, MD

Stanford University

Pranay Soni, MD

Cleveland Clinic

Glen Stevens, DO, PhD

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David Tran, MD, PhD

Keck School of Medicine of USC

Jason Ye, MD

Keck School of Medicine of USC

Divya Yogi-Morren, MD

Cleveland Clinic

Cheng Yu, PhD

Keck School of Medicine of USC

COURSE DESCRIPTION

The 25th Annual Brain Tumor Update and the 14th Annual Symposium on Brain Metastases and Spine Tumors is co-provided by the Keck School of Medicine of the University of Southern California and Cleveland Clinic. This advanced multidisciplinary 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 tumors of the spine, especially as it relates to comparing treatments for brain metastases and spine tumors, evaluation new technologies, treating meningiomas, and assessing and treating gliomas, with the overall goal of improving outcomes in these patient populations. This year's sub-focus will be on multimodal management of pituitary tumors.

EDUCATIONAL OBJECTIVES

By the end of the course, participants will be able to:

- Summarize innovations in imaging, surgical management, medical therapy, and palliative care for bone tumors of the spine.
- Critically appraise the issues for treatments for brain metastases including advances in radiosurgery and other surgical treatments, targeted therapy, and the possibility of immunotherapy.
- Describe the technological innovations in imaging, radiation, and surgery for brain tumor management and define their role in clinical practice.
- Review the contemporary management of meningiomas including the roles of surgery, radiation, and adjuvant therapy and their relation to outcomes.
- Describe advances in molecular diagnostics, epigenetics, cellular therapy, and immunotherapy of gliomas.
- Know the latest modal management strategies for various subtypes of pituitary adenomas.

TARGET AUDIENCE

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

ACCREDITATION STATEMENT

The Keck School of Medicine of the University of Southern California is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

CREDIT DESIGNATION

The Keck School of Medicine of the University of Southern California designates this live activity for a maximum of 13.5 *AMA PRA Category 1 Credits™*. Physicians should claim only the credits commensurate with the extent of their participation in the activity.

The following may apply *AMA PRA Category 1 Credit(s)™* for license renewal: Registered Nurses may report up to 13.5 credit hour(s) toward the CME requirements for license renewal by their state Board of Registered Nurses (BRN). CME may be noted on the license renewal application in lieu of a BRN provider number.

Physician Assistants: The National Commission on Certification of Physician Assistants states that *AMA PRA Category 1 Credits™* accredited courses are acceptable CME requirements for recertification.

CANCELLATION POLICY

Registration cancellations must be emailed to the USC Office of CME by October 29, 2024, 12:00 pm PDT for a refund. A \$50 cancellation fee will be applied for requests received after October 29, 2024.

In the event of course cancellation by conference organizers, all registration fees will be fully refunded. USC will not refund any travel costs incurred.

HOTEL INFORMATION

A room block will be available at the Moxy + AC Hotel.

Location: 1260 South Figueroa Street, Los Angeles, CA 90015

Room rate: \$249. Reservation must be booked before October 1, 2024.

Reserve a room by scanning the QR Code.



Moxy + AC Hotel
Downtown Los Angeles

REGISTRATION FORM

25th Annual Brain Tumor Update and 14th Annual Symposium on Brain Metastases and Spine Tumors Conference: November 2-3, 2024

Live at the Moxy + AC Hotel in Downtown Los Angeles

Early bird price for live registration ends October 29, 2024 at 12:00 pm, PDT.

After October 29, 2024: Please register on-site on November 2-3, 2024.

Live Tuition

November 2

Early Bird

After October 29

| | | |
|-------------------------|--------------------------------|--------------------------------|
| MD/DO | <input type="checkbox"/> \$175 | <input type="checkbox"/> \$225 |
| NP/PA/APP | <input type="checkbox"/> \$125 | <input type="checkbox"/> \$175 |
| RN/AH | <input type="checkbox"/> \$125 | <input type="checkbox"/> \$175 |
| Fellow/Resident/Student | <input type="checkbox"/> \$75 | <input type="checkbox"/> \$100 |

November 2-3

| | | |
|-------------------------|--------------------------------|--------------------------------|
| MD/DO | <input type="checkbox"/> \$299 | <input type="checkbox"/> \$349 |
| NP/PA/APP | <input type="checkbox"/> \$150 | <input type="checkbox"/> \$200 |
| RN/AH | <input type="checkbox"/> \$150 | <input type="checkbox"/> \$200 |
| Fellow/Resident/Student | <input type="checkbox"/> \$95 | <input type="checkbox"/> \$120 |

REGISTRATION

Mail: Office of CME, 1540 Alcazar Street, CHP 223, Los Angeles, CA 90033

Mail-in registration must be postmarked by October 29, 2024.

Online: <https://keckusc.cloud-cme.com/brainmets2024>. Visa or Mastercard only.

Phone: (323) 442-2555 | Fax: (323) 442-3734- AMEX, Mastercard, Visa

Email: usceme@usc.edu

On-Site: Available November 2, 7:30 am and November 3 at 7:15 am at the Moxy + AC Hotel in Downtown Los Angeles

Name _____

Degree _____ Medical License Number _____

Email Address* _____ Phone number _____

Address _____

City _____ State _____

Zip Code _____ Specialty _____

Institutional Affiliation _____

*Registration confirmation and event reminder will be emailed.

METHOD OF PAYMENT

No cash accepted.

Check (Check payable to USC. Check payment must be postmarked by October 29)

Credit Card (Mastercard or Visa. American Express by Fax/Mail/Phone)

Credit Card Number _____

Expiration Date _____ Security Code _____

Authorized Signature _____ Amount \$ _____

COURSES ARE SUBJECT TO CANCELLATION.



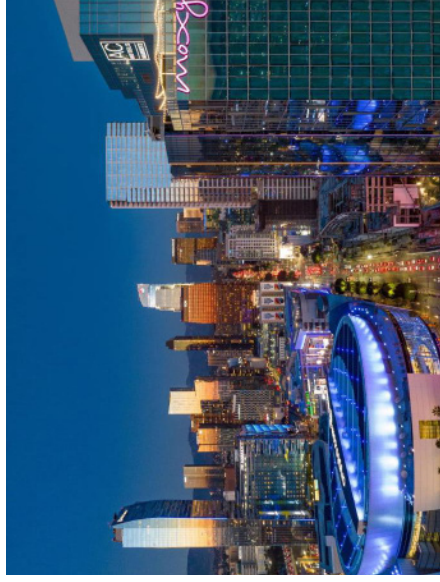


Keck School of Medicine of USC

Office of Continuing Medical Education

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Los Angeles, CA 90033



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Non-Profit
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of Southern
California