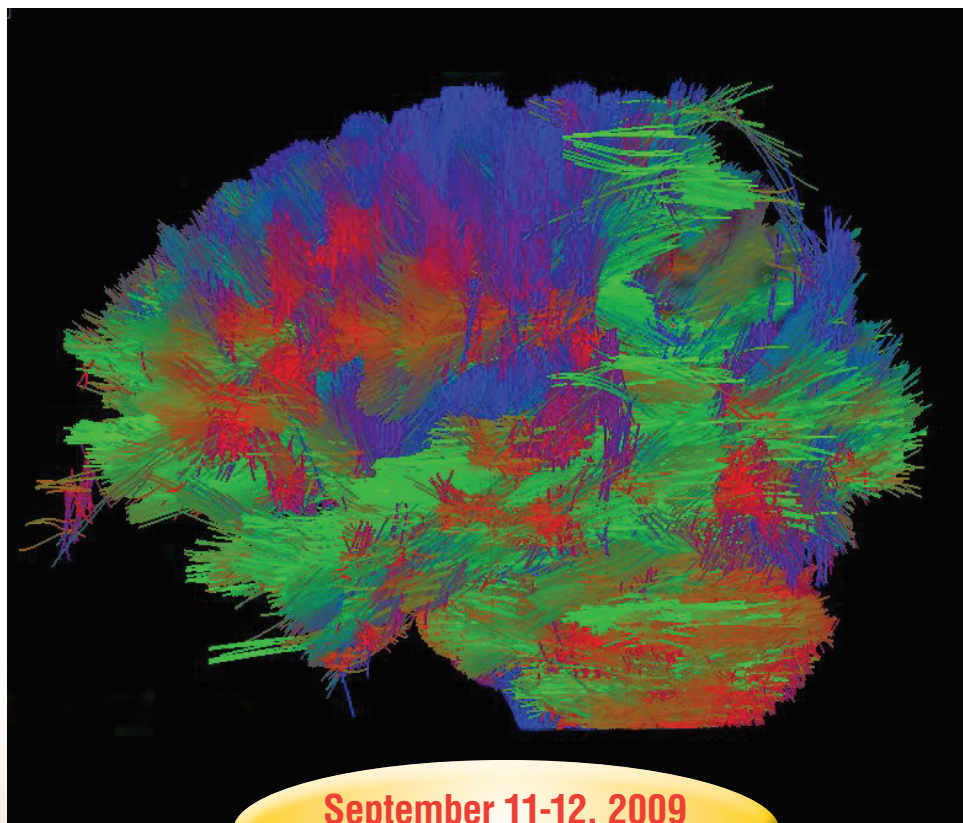


Neuro-Oncology 2009: **Current Concepts**

Key Topics:

- Stereotactic Radiosurgery
- Intraoperative MRI
- Endoscopic Approaches to Brain Tumors
- Brain Metastases
- Spine and Epidural Metastases
- Pineal, Pilocytic Astrocytomas and PNET Tumors
- Glioblastomas in the Molecular Age
- Controversies in the Management of Low Grade Gliomas



September 11-12, 2009

Ritz Carlton Hotel • Cleveland, OH

About the Symposium

The care of patients with brain and other neural-based tumors has become increasingly complex. Patients arrive at offices armed with the latest laboratory and clinical trial data gleaned from the web. Many of these advances offer hope in the care for this difficult patient population, but it can be daunting for the practitioner to digest the ever-increasing volume of data.

The Neuro-Oncology 2009 symposium brings to Ritz Carlton Hotel in Cleveland, OH, national and international leaders in clinical care and laboratory investigation of brain tumors. Faculty and participants will spend 2 days discussing advances in imaging, molecular biology, surgery, radiotherapy, chemotherapy, and alternative therapies in the care of these patients with central nervous system tumors.

Additional contributions are sought from attendees for papers for platform or poster presentation.



Gene H. Barnett, MD



David Peereboom, MD



Jeremy Rich, MD



John Suh, MD



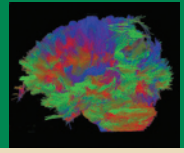
Michael Vogelbaum, MD, PhD

Learning Objectives

- Discuss novel medical, radiological, and imaging issues in malignant brain tumors.
- Explore the surgical advances in the treatment of primary brain tumors.
- Explain the roles for medical, radiation oncologic, and surgical treatment for metastatic tumors of the brain and spine.
- Discuss the impact of molecular markers on the treatment of brain tumors.

Target Audience

Neurosurgeons, Radiation Oncologists, Medical Oncologists, Neurologists, and allied healthcare professionals that work with patients with tumors.



Cleveland Clinic Symposium Directors

Gene H. Barnett, MD

Director, Brain Tumor and
Neuro-Oncology Center
Neurological Institute Neuro-Oncology Center

Jeremy Rich, MD

Chairman and Staff, Department of
Stem Cell Biology and Regenerative Medicine

David Peereboom, MD

Director, Clinical Research
Brain Tumor and

John Suh, MD

Chairman, Radiation Oncology

Michael Vogelbaum, MD, PhD

Associate Director,
Brain Tumor and Neuro-Oncology Center

Guest Faculty

Paul Brown, MD

Mayo Clinic
Rochester, MN

Doug Einstein, MD

University Hospitals
Cleveland, OH

Mark Gilbert, MD

MD Anderson
Houston, TX

Roy Patchell, MD

Barrow Neurological Institute
Phoenix, AZ

Michael Schulder, MD

North Shore LIJ Health System
Manhasset, NY

Garnett Sutherland, MD

University of Calgary
Calgary, Alberta, Canada

Steve Toms, MD, MPH

Geisinger Health Systems
Danville, PA

Manfred Westphal, MD

University of Hamburg
Hamburg, Germany

Cleveland Clinic Faculty

Lilyana Angelov, MD

Associate Staff, Brain Tumor and
Neuro-Oncology Center

Sam Chao, MD

Associate Staff, Brain Tumor and
Neuro-Oncology Center

Bruce Cohen, MD

Staff, Brain Tumor and
Neuro-Oncology Center

Mark Luciano, MD, PhD

Staff, Neurosurgery

Manmeet Ahluwalia, MD

Associate Staff, Brain Tumor and
Neuro-Oncology Center

Micheal Phillips, MD

Staff, Diagnostic Radiology

Burak Sade, MD

Clinical Associate, Brain Tumor and
Neuro-Oncology Center

Rich Schlenk, MD

Staff, Center for Spine Health

Michael Steinmetz, MD

Associate Staff, Center for Spine Health

Glen Stevens, DO, PhD

Staff, Brain Tumor and Neuro-Oncology Center

Tanya Tekautz, MD

Associate Staff, Brain Tumor and
Neuro-Oncology Center

Robert Weil, MD

Director of Laboratory Research, Brain Tumor
and Neuro-Oncology Center

Neuro-Oncology Symposium Agenda

Friday, September 11

8:00 **Welcome and Introductions** – *Gene Barnett*

Technological Advances in Brain Tumor Management Stereotactic Radiosurgery

8:15 - 8:35 **Gamma Knife** – *Paul Brown*

8:35 - 8:55 **Cyberknife** – *Doug Einstein*

8:55 - 9:15 **Novalis** – *Sam Chao*

Intraoperative MRI

9:15 - 9:35 **Low Field** – *Mike Schulder*

9:35 - 9:55 **High Field** – *Garnett Sutherland*

9:55 - 10:15 **Intraoperative Laser Therapy AutoLITT** – *Gene Barnett*

10:15 - 10:30 **Break**

Endoscopic Approaches to Brain Tumors

10:30 - 10:50 **Pituitary Tumors** – *Robert Weil*

10:50 - 11:10 **Skull-Base Tumors** – *Burak Sade*

11:10 - 11:30 **Intraventricular Tumors** – *Mark Luciano*

11:30 - 12:00 **Discussion**

12:00 - 1:00 **Lunch**

1:00 - 1:30 **Brain Tumor Case Presentations**

Brain Metastases

1:30 - 1:50 **Biology of Brain Metastases** – *Steve Toms*

1:50 - 2:10 **Surgical Management** – *Michael Vogelbaum*

2:10 - 2:30 **Stereotactic Radiosurgery** – *Paul Brown*

2:30 - 2:50 **Whole Brain Radiation Therapy** – *Roy Patchell*

2:50 - 3:10 **Chemotherapy** – *David Peereboom*

3:10 - 3:30 **Break**

3:30 - 3:50 **Leptomeningeal Disease** – *Manmeet Ahluwalia*

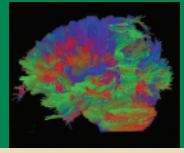
3:50 - 4:10 **Clinical Trial Update** – *John Suh*

4:10 - 4:30 **Discussion**

Symposium Social Activities

Your registration fee includes a reception at the House of Blues on Friday, September 11. Please plan to join your colleagues and the symposium faculty.





Saturday, September 12

Spine and Epidural Metastases – What is the Best Management?

- 8:00 - 8:25 **Stereotactic Radiosurgery** – *Lilyana Angelov*
8:25 - 8:50 **Surgery and EBRT** – *Roy Patchell*
8:50 - 9:15 **Spine Stabilization with Kyphoplasty** – *Rich Schlenk*
9:15 - 9:40 **Principles of Spine Stabilization** – *Michael Steinmetz*
9:40 - 10:05 **Intramedullary Tumors** – *Manfred Westphal*
10:05 - 10:15 **Break**

“P” Tumors

- 10:20 - 10:45 **Pineal** – *Manfred Westphal*
10:45 - 11:10 **Pilocytic Astrocytoma** – *Tanya Tekautz*
11:10 - 11:35 **PNET** – *Bruce Cohen*
11:30 - 12:00 **Discussion**

12:00 - 1:00 **Special Lunch Lecture – How to Manage the Pregnant Patient**

1:00 - 1:30 **Spine Tumor Case Presentations**

Glioblastoma in the Molecular Age

- 1:30 - 1:50 **Stem Cells** – *Jeremy Rich*
1:50 - 2:10 **CED** – *Michael Vogelbaum*
2:10 - 2:30 **Imaging in the Bevacizumab Era** – *Micheal Phillips*
2:30 - 2:50 **MGMT: Ready for Prime Time?** – *Mark Gilbert*
2:50 - 3:10 **Angiogenesis as a Target** – *Manfred Westphal*
3:10 - 3:30 **Break**

Controversies in the Management of Low Grade Gliomas

- 3:30 - 3:50 **The Case for Aggressive Surgical Resection** – *Steven Toms*
3:50 - 4:10 **Radiation Therapy is the Best Modality** – *Sam Chao*
4:10 - 4:30 **Case for Chemotherapy** – *David Peereboom*
4:30 - 4:45 **Concluding Remarks** – *Gene Barnett*

First International Meeting of the Society for CNS Interstitial Delivery of Therapeutics (SCIDOT)

September 11-12, 2009

Ritz Carlton Hotel • Cleveland, OH

The SCIDOT meeting will provide broad insight into the latest technological developments regarding medical devices, therapeutic agents, imaging methods and imaging agents in the field of targeted delivery of drugs to the central nervous system. The applicability of these developments in clinical practice and the latest news from clinical trials will also be presented.

For more information, or to register online: www.scidot.org

Register online at www.cfcfme.org/NeuroOncol09

General Information

Location

Ritz Carlton Hotel
1515 West Third Street
Cleveland, OH 44113
Telephone: 800-241-3333

The Ritz Carlton is conveniently located 20 minutes from Cleveland Hopkins International Airport and located in the heart of downtown Cleveland.

Hotel Reservations

A block of rooms has been reserved at the Ritz Carlton Cleveland. To make a reservation, contact the hotel directly at 800-241-3333 and ask for the Group Reservations department. The group rate code for the symposium attendees is NRONROA to receive the special symposium rate of \$199 per night plus tax. Reservations must be made by Tuesday, August 11, 2009, to receive this rate.

Registration and Cancellation Information

Register at www.ccfcmec.org/NeuroOnc09. Deadline for registration for the symposium is **5:00 pm (EST), Tuesday, September 8, 2009**. A request for a refund must be received in writing by September 8, 2009. No refunds will be given after September 8, but registration is transferable through September 12, 2009. A \$50 cancellation fee will be deducted from the refund for all cancellations.

Please Note: If you register online, you will receive an immediate registration confirmation notice indicating that payment was processed. If the notice contains the word "error" please contact the registration office at 216-448-0777 to confirm registration. Mailed or faxed registrations will receive a confirmation notice by e-mail unless requested otherwise noted on the registration form. To check on the status of a faxed or mailed registration, please e-mail 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 Martha Tobin at 216-445-3449 or tobinm@ccf.org at least two weeks prior to the activity.

Accreditation For Physicians

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 educational activity for a maximum of 15.0 *AMA PRA Category 1 Credits™*. Physicians should only claim 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 Council on Continuing Medical Education for Category 2 credit.

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.

**For additional information: Ms. Martha Tobin – 800-223-2273 ext. 53449
(e-mail) tobinm@ccf.org / (fax) 216-445-4527**

Call For Papers

Poster and platform participants will be solicited for poster and platform 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 August 28, 2009.

Abstract Requirements

- **Deadline date:** August 14, 2009. One entry per presenter.
- Electronic submissions only through symposium web site at www.ccfcmc.org/NeuroOnc09
- 250 word limit

REGISTRATION FORM

For Office Use Only: 020543

Fee: _____ M.O.P. _____

Date: _____ CXL/Fee: _____

Neuro-Oncology 2009:

Current Concepts

(Please type or print clearly)

Name _____ Degree _____
First M.I. Last

Address _____ Home Business

City, State, Zip Code _____

Phone # _____ Fax # _____

E-mail _____

Specialty _____

Course Registration Fee (Check appropriate box)

- Physicians/Surgeons: \$695
- International (practice outside USA) Physicians/Surgeons: \$595
- Residents*, Fellows*, PhDs, Non-Physicians: \$349
- Nurses: \$195
- CCF Alumni
- CCF Comprefcare Affiliates: \$452 - Member I.D. Number _____

Course fee includes registration materials, continental breakfasts, lunches and the reception at the House of Blues.

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

Payment Options

- Check Enclosed (Made payable to: The Cleveland Clinic Educational Foundation)
- Visa MasterCard AMEX Discover

Card # _____ 3-digit v-code _____

Name on Card _____ Exp Date _____

Signature _____ Amt Pd \$ _____

Mail completed registration form and payment information to:

The Cleveland Clinic Educational Foundation
P.O. Box 931653
Cleveland, OH 44193-1082

Or, if paying by credit card, please register online at www.ccfcmc.org/NeuroOnc09 or fax registration to 216-448-0783.

(Once faxed, do not mail original registration.)

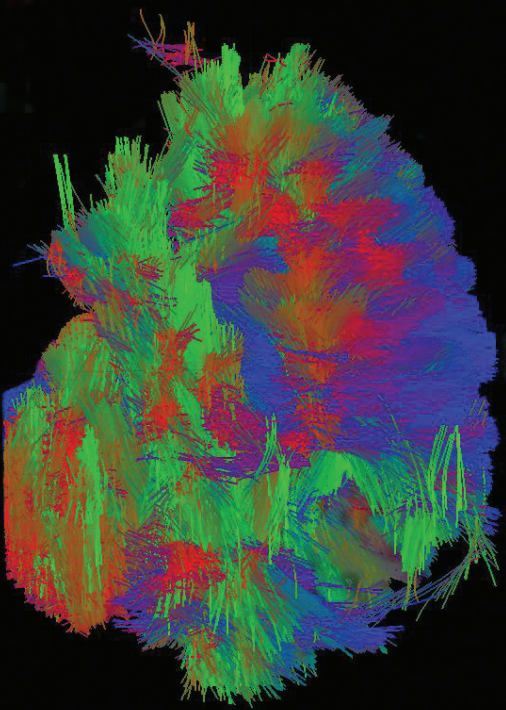
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Neurological Institute and the
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