

The North American
Gamma Knife
Consortium



The International
Gamma Knife
Research Foundation

Going Global

2015 Meeting

June 26 – 28, 2015
Cleveland, OH

In Joint Providership



Meeting Directors

Gene Barnett, MD
Jason Sheehan, MD, PhD

Description:

The second **North American Gamma Knife Consortium Meeting and the Gamma Knife Perfexion™ Upgrade Course** will be held in Cleveland from **June 26-28, 2015**. A follow-up to the inaugural 2011 meeting held in Pittsburgh, it is designed to increase scientific knowledge-base and levels of evidence related to the use of the Leksell Gamma Knife. An international faculty of pioneers and leaders will present and discuss their clinical advances and innovative therapies.

In order to expand our international relationships, the North American Gamma Knife Consortium (NAGKC) has evolved to become the International Gamma Knife Research Foundation (IGKRF).



Meeting Highlights:

- One-day Gamma Knife Perfexion Upgrade Training Course
- Complimentary and Competing Technologies
- Controversies
- Complex Cases
- Clinical Trials Update
- The Registry Project

Key Topics:

- Brain Metastases
- Gliomas
- Pituitary Tumors
- Skull-base Meningiomas
- Vestibular Schwannomas
- Psychiatric Indications
- Trigeminal and Other Neuralgias
- Radiation Necrosis
- AVMs
- Staged Radiosurgery Treatments for Brain Metastases
- Advanced Neuro-Imaging
- Targeted Chemotherapy and SRS
- CT and MRI Guided Radiosurgery Procedures
- Multi-Session Radiosurgery
- Craniopharyngiomas

Target Audience:

Neurosurgeons, Radiation Oncologists, Radiologists, Neurologists, Medical Physicists, Researchers, Business Managers, Resident/Fellow Physicians, Nurses and Physician Assistants

Web address: www.ccfcmc.org/NAGKC15

Call For Abstracts:

Abstracts for poster presentation now being accepted through April 15, 2015. Posters will be on display throughout the meeting on June 27 & 28. Notification of acceptance, presentation details and poster size will be sent on or before May 15, 2015. Awards will be presented for the best overall abstract and for young investigators (under 30 years).

Objectives:

1. Explain the current evidenced based medicine approaches for radiosurgery in brain metastasis, gliomas, and parasellar tumor patients
2. Describe commonly employed radiosurgical approaches for patients with brain metastasis, gliomas, arteriovenous malformations and parasellar tumors that go beyond those rigorously supported by evidence based medicine
3. Discuss and design methods to achieve a more scientific assessment of currently utilized radiosurgical approaches
4. Distinguish clinical, translational, and basic science advancements that may yield answers for currently unresolved questions in Gamma Knife radiosurgery.
5. Identify modern neuro-imaging techniques for detecting radiosurgical induced complications.
6. Recognize the full range of radiosurgical complications, methods to detect and treat complications, and techniques that can be employed to lessen or avoid complications.
7. Apply cutting edge approaches in stereotactic radiosurgery



June 27-28 Gamma Knife Consortium Meeting Location

Cleveland Public Library
325 Superior Ave E, Cleveland, OH 44114

June 26 Gamma Knife Perfexion Upgrade Course Location

Cleveland Clinic Gamma Knife Center, Cleveland, OH

Lodging & Parking

Hyatt Regency Cleveland Hotel at the Arcade

420 East Superior Ave., Cleveland, Ohio, USA 44114
Telephone: 216.575.1234 or 1.888.421.1442

Visit the hotel link at www.ccfcmc.org/NAGKC15 to reserve your room online or call the hotel directly at 216.575.1234 or 1.888.421.1442 and ask for the Cleveland Clinic NAGKC group rate of \$149 plus 16.5% tax, per night. Hotel reservations are separate from the meeting registration and are the responsibility of the participant. The cut-off date for the special rate is Friday, June 5, 2015 (pending availability). The Hyatt Regency Cleveland Hotel is located 12 miles NE from Cleveland Hopkins International Airport.

Valet parking is available at the Hyatt Hotel for \$18/day and \$24/overnight.

Registration/Refund Policy

Registration – Register by May 15 to receive the early registration rate. Register at www.ccfcmc.org/NAGKC15. Online registration deadline is Tuesday, June 23, 2015 at 5:00 PM EST. To register after June 23, please contact Martha Tobin at 216.445.3449 or tobinm@ccf.org.

Cancellation – In case of cancellation, a \$50 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 June 23.

Accreditation

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of Cleveland Clinic Foundation Center for Continuing Education and the North American Gamma Knife Consortium. The Cleveland Clinic Foundation Center for Continuing Education is accredited by the ACCME to provide continuing medical education for physicians.

The Cleveland Clinic Foundation Center for Continuing Education designates this live activity for a maximum of 18.25 *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.

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.

Special Needs

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 Monet Smith at 216.444.9380 at least two weeks prior to the activity.

For additional information: Ms. Martha Tobin – 800.223.2273 ext. 53449 / (e-mail) tobinm@ccf.org / (fax) 216.445.4527

Gamma Knife Perfexion Upgrade Course

Friday, June 26, 2015

Time	Title	
10:00am	Registration	
10:30	Welcome and Introductions	Gene Barnett
10:45	Evolution of Gamma Knife to Perfexion™ Features and Benefits	Gene Barnett
11:30	Stereotactic Frame – Changes to Application and Use	Gene Barnett
11:45	Perfexion™ Planning Strategy	Gene Barnett
12:00n	GP PFX Software	Susan Lohman
12:30pm	Lunch Break	
12:45	Hands-On Perfexion™ Safety Clearance Procedures Quality Assurance Emergency Procedures	Gennady Neyman
1:45	TPS Administration	Gennady Neyman
2:15	“Mock” Treatment According to Plan/Treatment Demonstration (Actual Case)	Gennady Neyman
2:45	Use of Non Stereotactic Images: Pre-plan, Follow up and Retreatment	Susan Lohman
3:30	GK10 Optional Module	Susan Lohman
4:00	Case Planning	Faculty
6:00	Adjourn	

Meeting Faculty

Meeting Directors

GENE BARNETT, MD

Director, Rose Ella Burkhardt Brain Tumor and Neuro-Oncology Center,
Vice Chair, Neurological Surgery
Cleveland Clinic

JASON SHEEHAN, MD, PhD

Professor of Neurological Surgery, Professor of Radiation Oncology, Professor of Neuroscience, Gamma Knife Center Co-Director, Riverside-UVa Gamma Knife Co-Director
University of Virginia

Scientific Program Committee

MANMEET AHLUWALIA, MD

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

SAM CHAO, MD

Section Head, Center for Cerebral Radiation Necrosis
Cleveland Clinic

JOHN SUH, MD

Chairman, Radiation Oncology
Cleveland Clinic

North American Gamma Knife Consortium Chairman

L. DADE LUNSFORD, MD

Lars Leksell Professor and Distinguished Professor, Director, Center for Image-Guided Neurosurgery, University of Pittsburgh Medical Center

Invited Speakers

MICHELLE ALONSO-BASANTA, MD, PhD

Helene Blum Assistant Professor
University of Pennsylvania

LILYANA ANGELOV, MD

Head, Section of Spine Tumors Rose Ella Burkhardt Brain Tumor and Neuro-Oncology Center
Cleveland Clinic

IGOR BARANI, MD

Clinical Research Director and Vice Chair, Department of Radiation Oncology
University of California San Francisco

VERONICA CHIANG, MD

Associate Professor of Neurosurgery and of Therapeutic Radiology
Yale University

JOHN FLICKINGER, MD

Professor of Radiation Oncology and Neurological Surgery
University of Pittsburgh Medical Center

HIDEYUKI KANO, MD, PhD

Research Assistant Professor of Neurological Surgery, Director of Clinical Research at the Center for Image-Guided Neurosurgery
University of Pittsburgh Medical Center

ANTHONY KAUFMANN, MD

Associate Professor, Section of Neurosurgery, Director, Center for Cranial Nerve Disorders, Co-Director, Centre for Cerebrovascular Disease, Co-Director, Winnipeg Centre for Gamma Knife Surgery, Supervisor, Intra-Operative Monitoring Program
University of Manitoba

JONATHAN KNISELY, MD

Associate Professor, Hofstra North Shore-LIJ School of Medicine
North Shore University Hospital

JUSTIN CHENG-CHIA LEE, MD

Attending Physician, Department of Surgery
Taipei Veteran General Hospital

SUSAN LOHMAN, RN, CNOR

Elektra Instruments

SIMON LO, MD

Associate Professor, Radiation Oncology, CWRU School of Medicine
University Hospitals of Cleveland

ROBERTO MARTINEZ, MD

Department of Functional Neurosurgery and Gamma Knife Radiosurgery, Ruber International Hospital, Madrid, Spain

MICHAEL MCDERMOTT, MD

Co-Director, Gamma Knife Radiosurgery
University of California San Francisco

GENNADY NEYMAN, PhD

Staff, Radiation Oncology
Cleveland Clinic

AJAY NIRANJAN, MD

Director, UPMC-Brain Mapping Center (MEG)
University of Pittsburgh Medical Center

DAVID HC PAN, MD

Professor of Surgery
Taipei Medical University Shuang

ANDREW PARSIA, MD, PhD

Michael J. Marchese Chair in Neurosurgery, Professor in Neurological Surgery and Neurology
Northwestern

DANIEL PIEPER, MD

Director & Chief of Skullbase Surgery, Beaumont Hospital
Michigan Head and Spine Institute

STEVEN RASMUSSEN, MD

Mary E. Zucker Professor of Psychiatry and Human Behavior, Chair of Psychiatry and Human Behavior
Brown University

RAFAEL RODRIGUEZ-MERCADO, MD

Professor Neurosurgery
University of Puerto Rico School of Medicine

MICHAEL SCHULDER, MD

Vice Chairman, Neurosurgery, North Shore University Hospital, Professor, Hofstra North Shore-LIJ School of Medicine
North Shore University Hospital

JOSHUA SILVERMAN, MD, PhD

Assistant Professor, Department of Radiation Oncology
New York University Medical Center

ANDREW SLOAN, MD

Director, Brain Tumor and Neuro-Oncology Center
University Hospitals of Cleveland

VOLODYMYR STATSEVYCH, MD

Associate Staff, Diagnostic Radiology
Cleveland Clinic

MICHAEL VOGELBAUM, MD, PhD

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

Call For Abstracts

Abstracts for poster presentation now being accepted through April 15, 2015. Posters will be on display throughout the meeting on June 27 & 28. Notification of acceptance, presentation details and poster size will be sent on or before May 15, 2015. Awards will be presented for the best overall abstract and for young investigators (under 30 years).

Abstract Requirements

- Deadline for Submission: April 15, 2015. One entry per presenter.
- 250 word limit. Include an Introduction, Methods, Results, and Conclusion
- Send via email to tobinm@ccf.org

North American Gamma Knife Consortium

Going Global

June 27-28, 2015

Proposed Agenda & Invited Speakers

Friday, June 26, 2015

12:45-6:00 pm **Gamma Knife Perfexion Upgrade Course at Cleveland Clinic GK Center**

6:30-9:00 pm Welcome Reception/Early Registration at Hyatt Regency Hotel

Saturday, June 27, 2015

8:00 am	Welcome/Introductions:	Gene Barnett & Jason Sheehan
8:15	Brain Metastases	John Suh
8:40	Gliomas	Ajay Niranjana
9:05	Pituitary Tumors	John Flickinger
9:30	Skull Base Meningiomas	Michael McDermott
9:55	Break/Exhibits	
10:20	Vestibular Schwannomas	Jonathan Knisely
10:45	Psychiatric Indications	Steven Rasmussen
11:10	Trigeminal and other Neuralgias	Anthony Kaufmann
11:35	Radiation Necrosis	Veronica Chiang
12:00 n	Lunch Break	
1:00 pm	AVMs	Rob Martinez
1:20	Staged Radiosurgery Treatments for Brain Metastases	Lilyana Angelov
1:35	Advanced Neuro-Imaging	Volodymyr Statsevych
2:00	Targeted Therapy and SRS	Manmeet Ahluwalia
2:25	CT and MRI Guided Radiosurgery Procedures	Simon Lo
2:50	Break/Exhibits	
3:10	Multi-Session Radiosurgery	Igor Barani
3:30	Craniopharyngiomas	David HC Pan

3:45 Clinical Trials

Session Chairs: Justin Lee & Rafael Rodriguez-Mercado

A. Retrospective Trials – Update of Datasets/Publications

1. **Hideyuki Kano:** Chondrosarcoma/Pineal region tumors/ Repeat SRS for AVMs/Glossopharyngeal Neuralgia
2. **Jason Sheehan:** Facial Schwannoma/Hemangiopericytoma/ Falx/convexity meningioma edema/AVM radiosurgery grading scale
3. **Ajay Niranjana:** Craniopharyngioma
4. **Justin Lee:** CS hemangioma

B. Prospective Trials – Accrual, Issues, Centers, Proposed Trials

1. **Ajay Niranjana** – 12-02: Multicenter Phase II Study of border zone SR with Bevacizumab chemotherapy in patients with recurrent or progressive glioblastoma multiforme and 14-01: Minocycline for ARE in brain metastasis
2. **Igor Barani** – 12-01: Randomized controlled study of outcomes inpatients with five or more brain metastases
3. **Hideyuki Kano** – 13-02: Staged stereotactic radiosurgery followed by embolization for large volume AVMs
4. **Manmeet Ahluwalia** – A Phase I trial of Afatinib for SRS brain mets for patients with HER2 positive breast cancer and EGFR positive lung cancer with 1-4 brain metastases
5. **Daniel Pieper** – Beaumont proposal

5:00	Registry Project	Joshua Silverman
5:30	Adjourn	
5:30-7:00	NAGKC Board Meeting at the Hyatt Regency Hotel	
7:00-9:30	Cocktails and Dinner at Cleveland Museum of Art	

Sunday, June 28, 2015

8:15-9:15 am	Complimentary and Competing Technologies
8:15-8:30	Advances in SRS Software and Adaptive Hybrid Surgery – Andrew Parsa
8:30-8:45	Advanced LINAC SRS – Sam Chao
8:45-9:00	Laser Ablation – Andrew Sloan
9:00-9:15	MR guided FUS – Jason Sheehan
9:15-9:55	Controversies: Protons vs Photons for SRS
9:15-9:30	Protons for SRS – Michelle Alonso-Basanta
9:30-9:45	Photons for SRS – Jonathan Knisely
9:45-9:50	Michelle Alonso-Basanta rebuttal
9:50-9:55	Jonathan Knisely rebuttal
9:55-10:35	Controversies: Surgery vs Radiosurgery for Brain Mets
9:55-10:10	Surgery – Michael Vogelbaum
10:10-10:25	Radiosurgery – Michael Schulder
10:25-10:30	Michael Vogelbaum rebuttal
10:30-10:35	Michael Schulder rebuttal
10:35	Break/Exhibits
10:55	Complex Cases Panel Discussion Moderators – Gene Barnett, Jason Sheehan
11:45	NAGKC Becomes IGKRF – L. Dade Lunsford
12:00 n	Meeting Adjourn



Registration Form

Course Code 021539

The North American Gamma Knife Consortium Going Global

June 26 – 28, 2015
Cleveland, OH

Register online at www.ccfcmc.org/NAGKC15

(Please type or print clearly)

Name _____ Degree _____
First M.I. Last

Company _____

Address _____

City, State, Zip Code, Country _____

Phone # _____ Fax # _____

E-mail _____ Specialty _____

Meeting Registration Fee *(Check appropriate box)*

June 27-28 Meeting Registration Fees

Physicians/Medical Physicists

On or Before May 15

☐ \$150

After May 15

☐ \$200

Residents/Fellows*

☐ \$75

☐ \$100

Non Physicians (Nurses/PAs/Business Managers)

☐ \$75

☐ \$100

June 26 Gamma Knife Perfexion Upgrade Course

☐ \$1000

☐ \$1250

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

Fee includes registration materials, continental breakfasts, lunches, and the June 26 & 27 receptions.

☐ I require a vegetarian lunch

Make check payable: The Cleveland Clinic Educational Foundation

Mailing address:

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

Cleveland Clinic recognizes the importance of protecting the privacy and security of information provided to us. Therefore, we are no longer requesting credit card data in writing, including on registration forms or faxes. If you would like to register using a credit card please go to www.ccfcmc.org/NAGKC15 or call 216.448.0777 where it will be handled directly by a certified processor.

For questions concerning registering, email cmeregistration@ccf.org or call 216.448.0777.

