

Your Current Experience/Background

(please check)

- ☐ Neurosurgeon
- ☐ Radiation Oncologist
- ☐ ENT Surgeon
- ☐ Medical Physicist
- ☐ Other _____

Course Type

(please check)

- ☐ Online only
- ☐ Online plus 2-day in-person option

For More Information

Kelly Powell
Course Coordinator
UPMC Presbyterian/Center for Image-Guided Neurosurgery
200 Lothrop Street/Suite F188
Pittsburgh, PA 15213-2582
Phone: (412) 647-7744
e-mail: powellkc@upmc.edu

Registration Form

I am registering for course dates: _____

Please supply all of the requested information, including preferred/correct mailing address.

Name & Degree: _____

Title: _____

Department: _____

Hospital: _____

Address: _____

City, State & Zip: _____

Country: _____

Mobile #: _____

(Mobile # provided will be used to access online training.)

E-mail: _____

Please specify if Gamma Knife® site affiliation is different from hospital listed above: _____

Tuition enclosed \$: _____

Registration will not be accepted without payment.

(\$7,000 training fee)

Please make your check payable to **UPMC Presbyterian Shadyside** and send it with this form to:

Kelly Powell, Course Coordinator
UPMC Presbyterian/Center for Image-Guided Neurosurgery
200 Lothrop Street/Suite F188
Pittsburgh, PA 15213-2582

Credit card payment is accepted. Online payment can be made at **www.upmc.com/pay/gammaknife** using Chrome on Windows or Mac for optimal experience.

Payment is due at time of registration, or no later than two weeks prior to course.

A current digital photograph is required to be submitted by email to powellkc@upmc.edu.

The Center for Continuing Education and the Department of Neurological Surgery do not certify that, through participation in this program, participants are competent to perform certain procedures or skills. I understand that satisfactory completion of this course does not imply or confirm competency in Gamma Knife® stereotactic radiosurgery.

Signature _____



Center for Image-Guided Neurosurgery

Principles and Practice of Gamma Knife Radiosurgery

**Online, or
Online plus In-Person**



Sponsored by:

University of Pittsburgh School of Medicine
Department of Neurological Surgery
Center for Continuing Education
in the Health Sciences

Introduction/Intent

Through attendance at this program, registrants should obtain knowledge about the practical aspects of stereotactic radiosurgery using the Leksell Gamma Knife®. Principles of radiation physics and radiobiology, as they apply to focused, small volume irradiation in single or multiple session using head frame or face mask will be covered. Registrants should be able to create radiosurgery dose plans for brain tumors, vascular malformations, and trigeminal neuralgia. At the close of the program, participants should be able to discuss those issues relevant to dose selection in individual patients and discuss the spectrum of complications after radiosurgery and their management.

No registration will be accepted without payment. Preferred payment is online via www.upmc.com/pay/gammaknife. If paying by check, make checks payable to **UPMC Presbyterian Shadyside** and include name of participant on check. Check should be mailed to:

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Pittsburgh, PA 15213-2582

Registration

Early registration is recommended. Please complete the attached registration form and return promptly.

Course Dates

2025:	2026:
January 10-17	January 9-16
March 7-14	March 13-20
May 9-16	May 8-15
July 11-18	July 10-17
September 5-12	September 11-18
November 7-14	November 13-20

If attending in person, please contact Kelly Powell at powellkc@upmc.edu for information regarding nearby hotel accommodations.

Accreditation and Credit Designation

In support of improving patient care, the University of Pittsburgh is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

Physician (CME)

The University of Pittsburgh designates this live activity for a maximum of **50.50** AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Medical Physicist (CME)

The University of Pittsburgh designates this live activity for a maximum of **34.50** Medical Physics Continuing Education Credits through CAMPEP. Medical physicist should claim only the credit commensurate with the extent of their participation in the activity.

Course Faculty

L. Dade Lunsford, MD
Professor of Neurological Surgery

Ajay Niranjana, MD, MBA
Professor of Neurological Surgery

Constantinos Hadjiapanayis, MD, PhD
Professor of Neurological Surgery

John C. Flickinger, MD
Professor of Radiation Oncology

Guest Faculty

Peter Gerszten, MD, MPH
Professor of Neurological Surgery

Medical Physics

Greg Bednarz, PhD

Nursing

Miranda Crum, MSN, RN, CSRN

Technical Support

Susan E. Lohman, RN, CNOR (Elekta)

Andy Lunsford
Senior Field Service Engineer (Elekta)

Disclaimer Statement

The information presented at this CME program represents the views and opinions of the individual presenters, and does not constitute the opinion or endorsement of, or promotion by, the UPMC Center for Continuing Education in the Health Sciences, UPMC/University of Pittsburgh Medical Center or Affiliates and University of Pittsburgh School of Medicine. Reasonable efforts have been taken intending for educational subject matter to be presented in a balanced, unbiased fashion and in compliance with regulatory requirements. However, each program attendee must always use his/her own personal and professional judgment when considering further application of this information, particularly as it may relate to patient diagnostic or treatment decisions including, without limitation, FDA-approved uses and any off-label uses.

Address

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Target Audience

Neurosurgeons, radiation oncologists, medical physicists, neurotologists, fellows and residents in training who will perform brain stereotactic radiosurgery.

Special Needs

Participation by all individuals is encouraged. Please provide two weeks advance notification of any special needs

Program Overview

Friday (on-line)

Course Introduction via Zoom

Saturday and Sunday (on-line)

Basics of Gamma Knife Radiosurgery: Frames, Physics, Planning

Monday (on-line)

Introduction to Forward and Inverse Dose Planning
Advanced Dose Planning

Tuesday (on-line)

Dose Planning Practice
Review of Gamma Knife Roles and Outcomes
GK Clinical Conference, Patient Selection and Outcomes

Wednesday (on-line)

Dose Planning Practice, Gamma Knife Outcomes
Observe Cases, Practice Planning (optional in-person)

Thursday (in-person and on-line)

Observe Cases, Practice Planning (optional in-person)
Course Summary, Q&A, Case Demo (optional in-person)
Course Conclusion