

Other Information

Disclosure of Faculty Financial Affiliations

The University of Virginia School of Medicine, as an ACCME accredited provider, endorses and strives to comply with the Accreditation Council for Continuing Medical Education (ACCME) Standards of Commercial Support, Commonwealth of Virginia statutes, University of Virginia policies and procedures, and associated federal and private regulations and guidelines on the need for disclosure and monitoring of proprietary and financial interests that may affect the scientific integrity and balance of content delivered in continuing medical education activities under our auspices.

The University of Virginia School of Medicine requires that all CME activities accredited through this institution be developed independently and be scientifically rigorous, balanced and objective in the presentation/discussion of its content, theories and practices.

All faculty presenters participating in an accredited CME activity are expected to disclose relevant financial relationships with commercial entities occurring within the past 12 months (such as grants or research support, employee, consultant, stock holder, member of speakers bureau, etc.). The University of Virginia School of Medicine will employ appropriate mechanisms to resolve potential conflicts of interest to maintain the standards of fair and balanced education to the reader. Questions about specific strategies can be directed to the Office of Continuing Medical Education, University of Virginia School of Medicine, Charlottesville, Virginia.

Disclosure of discussion of non-FDA approved uses for pharmaceutical products and/or medical devices

The University of Virginia School of Medicine, as an ACCME provider, requires that all faculty presenters identify and disclose any off-label uses for pharmaceutical and medical device products. The University of Virginia School of Medicine recommends that each physician fully review all the available data on new products or procedures prior to clinical use.

Attendance and Certificate Distribution

The University of Virginia Office of Continuing Medical Education requires that all participants at live CME activities sign attendance sheets daily to confirm participation in the CME activity for that day. Certificates of attendance, designating the maximum number of hours of participation, are distributed to each participant at the CME activity. Participants are responsible for accurately tracking their actual participation at live events.

Special Needs

The Americans with Disabilities Act of 1990 requires that all individuals, regardless of their disabilities, have equal access. The Office of Continuing Medical Education at the University of Virginia School of Medicine is pleased to assist participants with special needs. Written requests must be received 30 days prior to the conference date. These should be mailed to UVA Office of Continuing Medical Education, Box 800711, Charlottesville, VA 22908 or to uvacme@virginia.edu. Some of the conference venues used by the University of Virginia Office of Continuing Medical Education are registered historic properties and may not be fully ADA accessible. Please feel free to contact the facility if you have specific questions.



SOPHIE LEE YU

CONFERENCE DIRECTOR

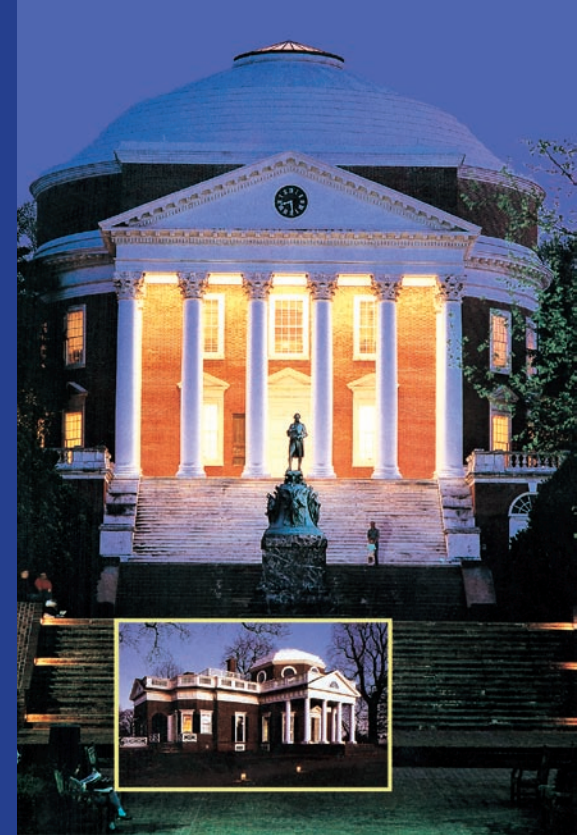
UVA Department of Neurological Surgery

P.O. BOX 800212

CHARLOTTESVILLE, VA 22908

Advanced Gamma Knife Course at the University of Virginia

October 3-5, 2007



**Department of Neurological Surgery
University of Virginia, Charlottesville, VA**

**Sponsored by:
The Office of Continuing Medical Education
University of Virginia, Charlottesville, VA**

**Location:
Jordan Hall, University of Virginia**

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2007 Advanced Gamma Knife Course

Course Information

Date and Time

Participants will arrive on the evening of October 2nd. Classes will begin Wednesday, October 3rd at 8:00am. Participants will depart on Saturday, October 6th.

Topics

AVM's and Skull Base Tumors (i.e. pituitary adenomas, acoustic neuromas, and meningiomas).

Size and Participation

Individual participation in discussion and hands-on exercises is expected. The course is limited to 20 participants to foster an effective learning environment.

Course Overview

In this advanced course, all participants are expected to have a fundamental knowledge of radiosurgical principles. We will focus upon the nuances of Gamma Knife surgery for the treatment of AVM's, pituitary adenomas, acoustic neuromas, and meningiomas. For AVM's, we will detail our protocol and outcomes for large AVM's, the role of embolization, retreatment of AVM's, a definition of subtotal obliteration and its prognosis, and the delayed changes (e.g. cyst formation and neoplasia) that may follow radiosurgery. The course will also allow participants to see and learn about the improvements afforded by the Gamma Knife PERFEXION.

For pituitary adenomas, we will highlight the challenges of retreatment and treatment when there is no discernible lesion on MRI. We will outline the timing for endocrinological remission and the small chance of recurrence despite an initial remission. The potential complications (e.g. delayed hypopituitarism, visual dysfunction, secondary tumors, and stroke) associated with Gamma Knife surgery for pituitary adenomas will also be detailed. The importance of creating an appropriate distance between the tumor and optic pathways prior to Gamma surgery and methods for achieving this will be discussed.

With regard to meningiomas, we will go beyond the standard cases to discuss treatment of large meningiomas by targeting the tumor's nutritive vessels. For acoustic neuromas, particular emphasis will be placed upon the differences in planning and outcomes of large and small lesions. Also, we will discuss the notion of hearing preservation in Gamma Knife surgery.

The course will also offer much "hands on" training. We will schedule cases relevant to the particular topics being covered each day. Each day will begin with stereotactic frame placement performed in the operating room. The advantages of frame placement under monitored anesthesia will be discussed. Participants will observe frame placement in the operating room.

In order to offer a diverse and well rounded course, we have invited others to speak about the history and future of radiosurgery and the complimentary roles of radiosurgery and microsurgery. In sum, we believe the course outlined below will represent a course unlike that offered by other institutions. It will help allow us to share a different philosophy and a set of techniques not covered in other courses or written about in the literature.

Accreditation

The University of Virginia School of Medicine is accredited by the ACCME to provide continuing medical education for physicians.

The University of Virginia School of Medicine designates this educational activity for a maximum of 26AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

The University of Virginia School of Medicine awards 0.1 CEU (Continuing Education Unit) per contact hour to each non-physician participant who successfully completes this educational activity. The CEU is a nationally recognized unit of measure for continuing education and training activities that meet specific educational training requirements. The University of Virginia School of Medicine maintains a permanent record of participants who have been awarded CEUs.

The American Association of Neurological Surgeons attests that this educational activity has been recognized for endorsement for 26.0 Category 1 CME credits of the American Association of Neurological Surgeon's Continuing Education Award in Neurosurgery.

Area Information

Meals and Lodging

All meals and lodging are included with the advanced course. Transportation is provided to and from the inn, course location and social events. Breakfast, lunch, dinner and a variety of refreshments will be provided. Lodging will be provided at the Boar's Head Inn. For more information about the inn, see the contact information below.

The Boar's Head Inn & Sports Club

Route 250 West

Phone: (800) 476-1988 or (434) 296-2181

Fax: (434) 972-6021

www.boarshheadinn.com

Charlottesville

Charlottesville is home to the University of Virginia, the birthplace of Thomas Jefferson, and a true representative of the heartland of historic Virginia. Located in central Virginia in the foothills of the Blue Ridge Mountains, Charlottesville has a population of 42,000 in a rural/metropolitan area of about 88,400. Washington, D.C. is less than two hours away.

Jefferson's Academical Village- University of Virginia

The University of Virginia is famed for the beauty of its buildings. Designed by Thomas Jefferson, they are considered among the finest examples of classic American architecture. The University is also noted for its scholarly achievements and historical associations. It began with Jefferson's concept and design for a community of scholars, and "academical village." The Rotunda, modeled after the Roman Pantheon, served as focal point, library and classroom. Two ranges extended from the Rotunda; professors lived and taught in the large Pavilions, and students lived in the smaller rooms in between. This tradition is carried on today – the Department of Neurological Surgery holds its teaching conferences in Pavilion V regularly.

University of Virginia Health System

The University of Virginia Health System can trace its beginnings directly to Thomas Jefferson, under whose leadership as Rector, eight schools including a School of Anatomy and Medicine opened on March 7, 1825. Jefferson chose the school's original faculty, a single professor, Robley Dunglison, whose first class of 20 students met in his home on the Grounds. Walter Reed is among the alumni of the Medical School. The teaching hospital, which opened in 1901 as a 25-bed facility, is today housed in a new eight-story building with 597 beds and 30 bassinets. It has nearly 100 intensive care beds. A recent report by U.S. News and World Report listed the Neurosciences clinical program at UVA as among the best in the nation.

Monticello

Thomas Jefferson began construction on this architectural masterpiece in 1769 and continued for more than 40 years. He also designed the grounds of his "little mountain home." The roundabout walks, oval flowerbeds, vegetable gardens, vineyards, grove, and graveyard have been fully restored. Hours 8-5. Fee. (434) 984-9800.

Michie Tavern Museum

This famous tavern of the 1700's still serves meals in the "Ordinary", a converted log cabin used 200 years ago. Guests enjoy food of the colonial times and can tour the Tavern, outbuildings, general store, and Meadow Run Grist Mill. The general store sells handcrafts and antiques of Virginia. Open year-round. Fee. (434) 977-1234.

Ash Lawn

Home of President James Monroe, Ash Lawn is a 550-acre historic estate and has been almost fully restored as a working plantation. Special events at Ash Lawn include operas, concerts, and festivals. Hours: 9-6. Fee. (434) 293-9539.

Wineries

There are many local wineries that offer tours, wine tastings and sales. Ask us for further information.

Skyline Drive/Blue Ridge Parkway

Enjoy the beauty of the Blue Ridge Mountains, scenic overlooks, exhibits, and hiking trails. Located 25 miles west of Charlottesville with easy access via I-64.

Charlottesville's Historic Downtown Mall

The Historic Downtown Mall is considered one of the finest urban parks in the country. This pedestrian mall is home to a vibrant collection of more than 120 shops and 30 restaurants located in the historic buildings on and around old Main Street Charlottesville.

For more information about Charlottesville and its surrounding area, visit: <http://www.charlottesville.org/> and <http://www.charlottesville-tourism.org/>

2007 Advanced Gamma Knife Course

Wednesday, October 3, 2007

7:15-8:00 a.m.	Breakfast
8:00-8:15 a.m.	Opening Remarks
8:15-8:25 a.m.	Dr. Edward Nemergut – The Advantages of Placement of the Gamma Frame in the OR under Monitored Anesthesia
8:45-10:00 a.m.	Hands-on in the OR for Frame Placement
10:00-10:10 a.m.	Break
10:10-10:30 a.m.	Dr. C. Douglas Phillips – Imaging for Pituitary Adenomas
10:30-11:30 a.m.	Drs. David Schlesinger and Chun-Po Yen – Working with Gamma Planning
11:30-1:00 p.m.	Lunch
1:00- 1:30 p.m.	Dr. Kalmon Post – Pituitary Surgery
1:30- 1:55 p.m.	Dr. Vinko V. Dolenc – Transcranial Approaches to the Pituitary and Cavernous Sinus
1:55- 2:25 p.m.	Dr. Jason Sheehan – Gamma Knife Surgery for Pituitary Adenomas – Methods to Avoid Damage To the Optic Apparatus
2:25-2:40 p.m.	Roundtable Discussion on PITS with Drs. Vinko V. Dolenc, Kalmon Post, Jason Sheehan, and Ladislau Steiner
2:40-2:50 p.m.	Break
2:50-4:35 p.m.	Drs. David Schlesinger and Chun-Po Yen – Hands-on Dose Planning
6:30 p.m.	Dinner at Farmington Country Club. Dr. Steiner – The Future of Closed Skull Stereotaxic Neurosurgery

Thursday, October 4, 2007

6:30-7:15 a.m.	Breakfast
7:15-8:00 a.m.	Hands-on in the OR for Frame Placement
8:00-8:25 a.m.	Dr. Michael Thorner – Endocrinological Considerations of Pituitary Adenomas
8:25-8:45 a.m.	Dr. C. Douglas Phillips – Neuroimaging of AVMs
8:45-9:05 a.m.	Dr. Mary Jensen – Embolization of AVMs
9:05-9:25 a.m.	Dr. Neal Kassell – Surgical Resection of AVMs and Cavernous Malformations
9:25-9:45 a.m.	Dr. Vinko V. Dolenc – Anatomical Considerations for Intracranial Microsurgery and Radiosurgery
9:45-9:55 a.m.	Break
9:55-10:45 a.m.	Dr. Ladislau Steiner – Arteriovenous and Cavernous Malformation Residuals After Microsurgery and Gamma --Value of Embolization before Gamma Surgery --Treatment of Large AVMs --Adverse Effects
10:45-11:05 a.m.	Roundtable Discussion on Gamma Knife for Vascular Lesions with Drs. Vinko V. Dolenc, Neal Kassell, and Ladislau Steiner
11:05-11:25 a.m.	Dr. Mark Quigg – Epilepsy & Gamma Knife
11:25-12:15 p.m.	Drs. David Schlesinger and Chun-Po Yen – Hands-on Dose Planning
12:15-1:00 p.m.	Lunch and Discussion on Publication Philosophy
1:00-1:45 p.m.	Dr. Vinko V. Dolenc – Microsurgery in Vestibular Schwannomas
1:45-2:30 p.m.	Gamma Knife Perfexion
2:30-3:00 p.m.	Gamma Planning and Discussion of Participant's Cases
3:00 p.m.	Historical Tour of the Lawn
6:30 p.m.	Dinner at Fleurie

Friday, October 5, 2007

6:30-7:15 a.m.	Breakfast
7:15-8:00 a.m.	Hands-on in the OR for Frame Placement
8:00-8:45 a.m.	Dr. Vinko V. Dolenc – Skull Base Meningioma Surgery
8:45- 9:30 a.m.	Dr. Ladislau Steiner – Meningiomas --Small and Moderate Sized Meningiomas --Treatment of Large Meningiomas by Targeting only the Nutritive Vessel
9:30-9:45 a.m.	Break
9:45-10:15 a.m.	Dr. Steven Newman – Neuro-ophthalmological Concerns Related to Gamma Surgery
10:15-10:50 a.m.	Dr. Ladislau Steiner – Vestibular Schwannomas --Treatment of Small Vestibular Schwannomas --Treatment of Large Vestibular Schwannomas
10:50-11:00 a.m.	Discussion
11:00-11:20 a.m.	Round Table Discussion on Gamma Knife for Skull Base Tumors with Drs. Vinko V. Dolenc, Steven Newman, and Ladislau Steiner
11:20-12:45 p.m.	Drs. David Schlesinger and Chun-Po Yen – Hands-on Dose Planning
12:45-1:45 p.m.	Lunch and Discussion on Ethics
1:45-2:05 p.m.	Dr. Jason Sheehan – Brain Metastasis: Radiosurgical Indications & Outcomes
2:05-2:25 p.m.	Dr. Tyvin Rich – An Update on Neurotoxicity and Neurocognitive Function after Irradiation and Emerging Radiation Therapy Technologies
2:25-2:40 p.m.	Dr. Ladislau Steiner – Concluding Remarks
2:40-4:15 p.m.	Drs. David Schlesinger and Chun-Po Yen – Hands-on Dose Planning
4:15-5:15 p.m.	Discussion of Participant's Cases
6:30 p.m.	Dinner at OXO preceded by a panel discussion, "The Gamma Knife and I" with Drs. Vinko Dolenc, Neal Kassell, Kalmon Post, Tyvin Rich, and Steven Newman.

Faculty Lecturers

Course Directors:

Jason P. Sheehan MD, PhD
Associate Director of the Lars Leksell Gamma Knife Center
University of Virginia

Ladislau Steiner MD, PhD
Director of the Lars Leksell Gamma Knife Center
University of Virginia

Vinko V. Dolenc, MD, PhD
Department of Neurosurgery
University of Ljubljana, Slovenia
University of Virginia

Mary E. Jensen, MD
Department of Radiology
University of Virginia

Neal F. Kassell, MD
Department of Neurosurgery
University of Virginia

Edward Nemergut, MD
Department of Anesthesiology
University of Virginia

Steven A. Newman, MD
Director of the Division of Neuro-ophthalmology
Department of Ophthalmology
University of Virginia

C. Douglas Phillips, MD
Director of the Division of Neuro-radiology
University of Virginia

Kalmon D. Post, MD
Department of Neurosurgery
Mount Sinai Hospital

Mark Quigg, MD
Department of Neurology
University of Virginia

Tyvin A. Rich, MD
Department of Radiation Oncology
University of Virginia

David Schlesinger, PhD
Lars Leksell Gamma Knife Center
University of Virginia

Michael Thorner, DSc, FRCP
Department of Endocrinology and Metabolism
University of Virginia

Chun-Po Yen, MD
Department of Neurosurgery
University of Virginia

Advanced Gamma Knife Course at the University of Virginia • October 3-5, 2007

Jordan Hall Conference Center, The University of Virginia

Please PRINT legibly to ensure accuracy.

You may also visit our website, www.healthsystem.virginia.edu/internet/neurosurgery/CKCcourse to register online.

Mr. Mrs. Ms. Dr. First Name: _____ M.I.: _____ Last Name: _____

Credentials: (MD, PhD, RN, etc.): _____ Specialty: _____

Department and Institution: _____

Mailing Address: _____

Street: _____

City: _____ State/Province: _____ Zip: _____

Country: _____ Work Phone: (_____) _____ Work Fax: (_____) _____

Email: _____

PLEASE PRINT CLEARLY FOR SUCCESSFUL EMAIL DELIVERY OF YOUR CONFIRMATION LETTER

Are you an employee of the University of Virginia? Yes No / Are you a resident physician? Yes No / Are you a fellow? Yes No

Do you require special assistance because of a disability, or have any dietary restrictions? If so, please describe: _____

Birth date (required for tracking CME credits/CEU): _____ / _____ / _____
MM DD YYYY

Registration Fees Check all that apply:

Physicians Course \$3,500 Nurse \$2,500 Spouse/Guest (for all social events) \$200 Attending social functions on Wed Thurs Fri

Payment is required with registration. An exception is made for institutional checks; however, these must be received at least 14 days prior to the scheduled CME activity. *If payment is not received by the deadline, you will NOT be registered for the conference.* You will receive confirmation upon receipt of your registration and payment.

Payment Options

Check or money order made payable to the UVA Dept. of Neurosurgery

Charge payment to: Visa MasterCard American Express Discover

Credit Card No. _____ -- _____ -- _____ -- _____ Expiration date _____ (MM/YY)

Signature _____

Please mail this registration form and payment to:

UVA Dept. of Neurosurgery, PO Box 800212, Attn: Sophie Lee Yu, Conference Coordinator, Charlottesville, VA 22908 USA

Phone: 434-924-2336 Fax: 434-977-6279 Email: sly9p@virginia.edu