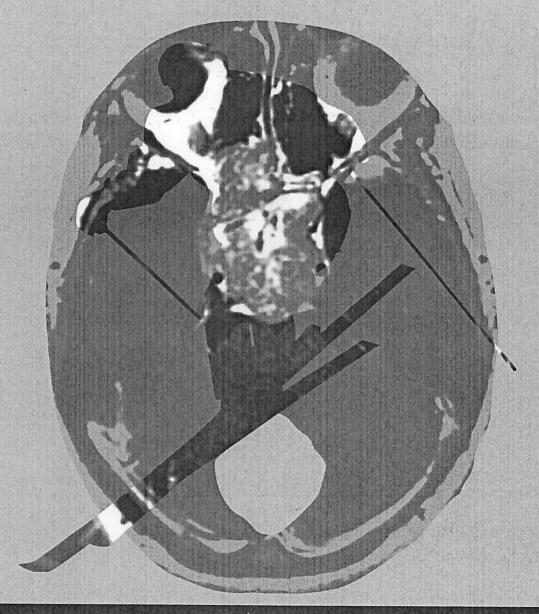
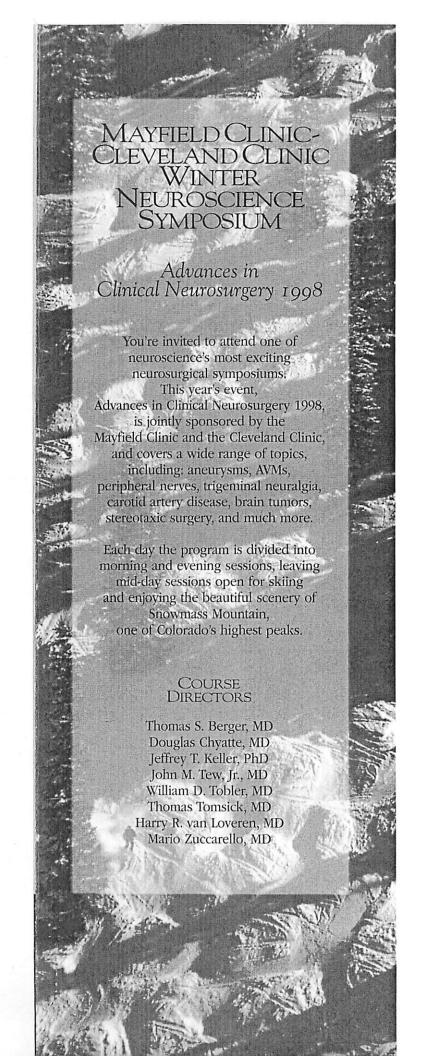
The Cleveland Clinic Foundation in joint sponsorship with Mayfield Clinic presents

# MAYFIELD CLINIC – CLEVELAND CLINIC WINTER NEUROSCIENCE SYMPOSIUM



Advances in Clinical Neurosurgery 1998

Snowmass Conference Center • Snowmass, Colorado February 22 - 27, 1998



# Mayfield Clinic – Cleveland Clinic Winter Neuroscience Symposium

### Advances in Clinical Neurosurgery 1998 February 22-27

### REGISTRATION FORM

(Please Print)

Name
Company
Address
City, State, Zip
Telephone
Fax
Social Security Number (Needed for CME credit)
☐ My check for the tuition fee of \$700, made payable to the Neurosciences Foundation, is enclosed. All foreign payments must be made by a draft on a U.S. bank.

### Mail to:

Sheila Stuckey, Coordinator Mayfield Clinic 506 Oak Street Cincinnati, Ohio 45219 Phone: 800-325-7787, ext. 5251 Fax: 513-569-5365

> REGISTRATION LIMITED DEADLINE: FEBRUARY 7, 1998



(Tear bere)

		Sunday, February 22	Monday, February 23
MORNING SESSIONS	7:00 am	Arrival/Free time	Transition Segments of the Internal Carotid Artery Jeffrey T. Keller, PhD
	7:30 am		Endarterectomy vs. Stenting for Carotid Stenosis Douglas Chyatte, MD
	8:00 am		Traumatic Dissection of the Internal Carotid and Vertebral Arteries Michael Link, MD
	8:30 am		Use of Platelet Antibodies for the Treatment of Acute Stroke John Perl, MD
	-9:00 am		8:45 Prevention of ACL Injuries: Before You Hit the Slopes Barbara Bothen, PT
AFTERNOON SESSIONS	4:00 pm		Intraoperative Assessment of Cervical Spine Motion Ed Frank, MD
	4:30 pm		Intraoperative Physiological Monitoring Mario Zuccarello, MD
	5:00 pm		Multilevel ACD and Fusion— To Plate or Not to Plate Rob Parrish, MD
	5:30 pm		Clinically Relevant Lumbar Spine Biomechanics Christopher Kager, MD
	6:00 pm	Welcoming Party Snowmass Lodge & Club Club Room	Intraoperative Magnetic Resonance for Functional Location and Improved Outcome John M. Tew, Jr., MD
	6:30 pm		Adjourn for Evening

The Cleveland Clinic Foundation Douglas Chyatte, MD Joseph F. Hahn, MD Joung Lee, MD John Perl, MD

University of Cincinnati/Mayfield Clinic
Thomas Berger, MD John M. Tew, Jr., MD
Chris Kager, MD William Tobler, MD
Jeffrey T. Keller, PhD Thomas Tomsick, MD
Michael Link, MD Harry van Loveren, MD
Kevin Shumrick, MD Mario Zuccarello, MD

## Program

ľuesday, February 24

Wednesday, February 25

'Stingers" in Athletes: Evaluation

and Treatment Rob Parrish, MD

Concussions in Athletes: To Play or Not To Play Jeffrey Larson, MD

Cervical Spine Injuries in Professional Athletes—An NFL Experience William Tobler, MD

Back Rehabilitation after Spinal Surgery Barbara Bothen, PT

Adjourn for the Morning

Update on New Polymers for the Treatment of Brain Tumors Alex Olivi, MD

Gliadel Treatment for Brain Tumors Allan Hamilton, MD

Facial Reanimations Kevin Shumrick, MD

Instrumentation Workshop Kevin Shumrick, MD Mario Zuccarello, MD Rob Parrish, MD John M. Tew, Jr., MD

Adjourn for the Evening

Trigeminal Neuromas: Single Stage Complete Removal John M. Tew, Jr., MD

Anatomy of the Cisterns for Microvascular Decompression Murali Guthikonda, MD

Peripheral Nerve Entrapment Neuropathies Thomas Berger, MD

Frameless Stereotaxy and Fixed Fiducials Bob Maciunus, MD

Adjourn for the Morning

Stereotaxis and Brain Stem Lesions Alex Olivi, MD

Stereotactic Surgery: Accuracy Issues with Frameless Stereotaxy William Tobler, MD

Frameless Guided Workshop John M. Tew, Jr., MD William Tobler, MD Harry van Loveren, MD Chris Kager, MD Bob Maciunus, MD David Andrews, MD

Stereotactic Radiosurgery with Gamma Knife and LINAC Unit David Andrews, MD

Adjourn for the Evening

### **FACULTY**

Faculty from other facilities David Andrews, MD Thomas Jefferson University Hospital

Barbara Bothen, PT Orthopedic and Spine Rehabilitation of Cincinnati, Inc. Edmund Frank, MD Oregon Health Science University

Murali Guthikonda, MD Wayne State University

Allan Hamilton, MD University of Arizona Health Center Thursday, February 26

"Basilar Terminus Aneurysm" Surgical Clipping vs. GDC Coiling Thomas Tomsick, MD

Complications and Failure of GDC Repair of Cerebral Aneurysms Douglas Chyatte, MD

The "Kawase" Approach to Basilar Aneurysms Harry van Loveren, MD

FIRING LINE: Basilar Aneurysms Troy Payner, MD John M. Tew, Jr., MD

Adjourn for the Morning

Management of Craniopharyngioma Thomas Berger, MD

Pituitary Tumors—Unusual Extensions and Surgical Pitfalls Murali Guthikonda, MD

Anatomical Boundaries in Transphenoidal Pituitary Surgery Mario Zuccarello, MD

Unusual Skull Base Cases Joung Lee, MD

Deep Seated Tumors of the Middle Cranial Fossa Harry van Loveren, MD

Adjourn for the Evening

Friday, February 27

Dural AV Fistula and the Cavernous Sinus Is There a Surgical Indication? Thomas Tomsick, MD

Combined Endovascular and Surgical Treatment of AVMs
Adam Lewis, MD

Radiosurgery and Embolization for Dural Arteriovenous Fistulas Michael Link, MD

AVMs of the Brain Stem: A New Approach John M. Tew, Jr., MD

Adjourn for the Morning

Seeing Instruments for Spinal Surgery Ed Frank, MD

Midas Rex Workshop (1 hr.)

FIRING LINE: AVMs John M. Tew, Jr., MD Adam Lewis, MD

Adjourn/Travel

BASE ELEVATION: 6,900

Jeffrey Larson, MD Neurosurgery Associates of Spokane Washington

Adam Lewis, MD University of Mississippi Medical Center

Robert Maciunus, MD Vanderbilt University Medical Center Alessandro Olivi, MD Johns Hopkins University School of Medicine

Rob Parrish, MD Baylor College of Medicine

Troy Payner, MD Indianapolis Neurosurgical Group

OBJECTIVES Upon completion of the symposium, participants should be able to:

- Recognize the indications for medical and surgical treatment of carotid artery disease.
- Describe biomechanical principles that form the basis of complex spinal surgery.
- Discuss the accepted surgical approaches for trigeminal neuromas, as well as manage intraoperative and postoperative complications of the surgery.
- Identify nerve injuries and entrapment syndromes, and understand the indications and contraindications for surgical treatment of peripheral nerve disorders.
- Describe the technological operation of various frameless stereotactic instruments including strength and limitations of each.
- · Recognize head and cervical injuries in athletes.
- Indicate an algorithm for the treatment of concussion.
- Discuss current treatment modalities including polymers and gliadel wafers for the treatment of brain tumors.
- Evaluate the diagnosis and treatment of basilar artery aneurysms including endovascular coiling and surgical techniques.
- · Discuss the surgical management of craniopharyngiomas and pituitary tumors.
- Discuss management of skull base tumors of the middle fossa.
- Report the radiologic/surgical/endovascular treatment of AVMs.
- Recognize endoscopic instrumentation for spinal pathology.

### ACCREDITATION

This activity has been planned and implemented in accordance with the Essentials and Standards of the Accreditation Council for Continuing Education through joint sponsorship of The Cleveland Clinic Foundation and Mayfield Clinic.

The Cleveland Clinic Educational Foundation is accredited by the Accreditation Council for Continuing Medical Education (ACCME)\* to sponsor continuing medical education for physicians.

The Cleveland Clinic Foundation designates this educational activity for a maximum of 22 hours in Category 1 credit towards the AMA Physician's Recognition Award. Each physician should claim only those hours of credit that he/she actually spent in the educational activity.

LODGING The Silvertree Hotel, which is adjacent to the Snowmass Conference Center, and The Snowmass Lodge and Club are holding a limited number of rooms. Make reservations by calling 800-598-2004. Reservation deadline is January 5, 1998.

TUITION \$700.00 payable with pre-registration. A \$100 cancellation fee will be charged for withdrawals after February 14, 1998. Written notification is required to process a refund.

QUESTIONS? Call Sheila Stuckey, Mayfield Clinic, 800-325-7787, ext. 5251; fax 513-569-5365. United Airlines and United Express have joined with the Snowmass Conference Center to offer discounts on airfares when lodging is arranged at Snowmass. For information, call Snowmass Central Travel, 800-598-2004.

> For information on ski equipment rental call Snowmass Sports, 800-950-3567. Discounts are available.

\*Current guidelines state that participants in CME activities should be made aware of any affiliation or financial interest that may affect the speaker's presentation(s). Each speaker has been requested to complete a conflict of interest statement. The names of faculty members declaring a potential conflict of interest will be shown in the course syllabus.