

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*

You're invited to attend one of
neuroscience's most exciting
neurosurgical symposiums.

This year's event,
Advances in Clinical Neurosurgery 1998,
is jointly sponsored by the
Mayfield Clinic and the Cleveland Clinic,
and covers a wide range of topics,
including: aneurysms, AVMs,
peripheral nerves, trigeminal neuralgia,
carotid artery disease, brain tumors,
stereotaxic surgery, and much more.

Each day the program is divided into
morning and evening sessions, leaving
mid-day sessions open for skiing
and enjoying the beautiful scenery of
Snowmass Mountain,
one of Colorado's highest peaks.

COURSE
DIRECTORS

Thomas S. Berger, MD
Douglas Chyatte, MD
Jeffrey T. Keller, PhD
John M. Tew, Jr., MD
William D. Tobler, MD
Thomas Tomsick, MD
Harry R. van Loveren, MD
Mario Zuccarello, MD

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 here)

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
Chris Kager, MD
Jeffrey T. Keller, PhD
Michael Link, MD
Kevin Shumrick, MD
John M. Tew, Jr., MD
William Tobler, MD
Thomas Tomsick, MD
Harry van Loveren, MD
Mario Zuccarello, MD

PROGRAM

Tuesday, February 24

"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

Wednesday, February 25

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

Jeffrey Larson, MD
Neurosurgery Associates of Spokane
Washington

Adam Lewis, MD
University of Mississippi Medical Center

Robert Maciunas, 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.