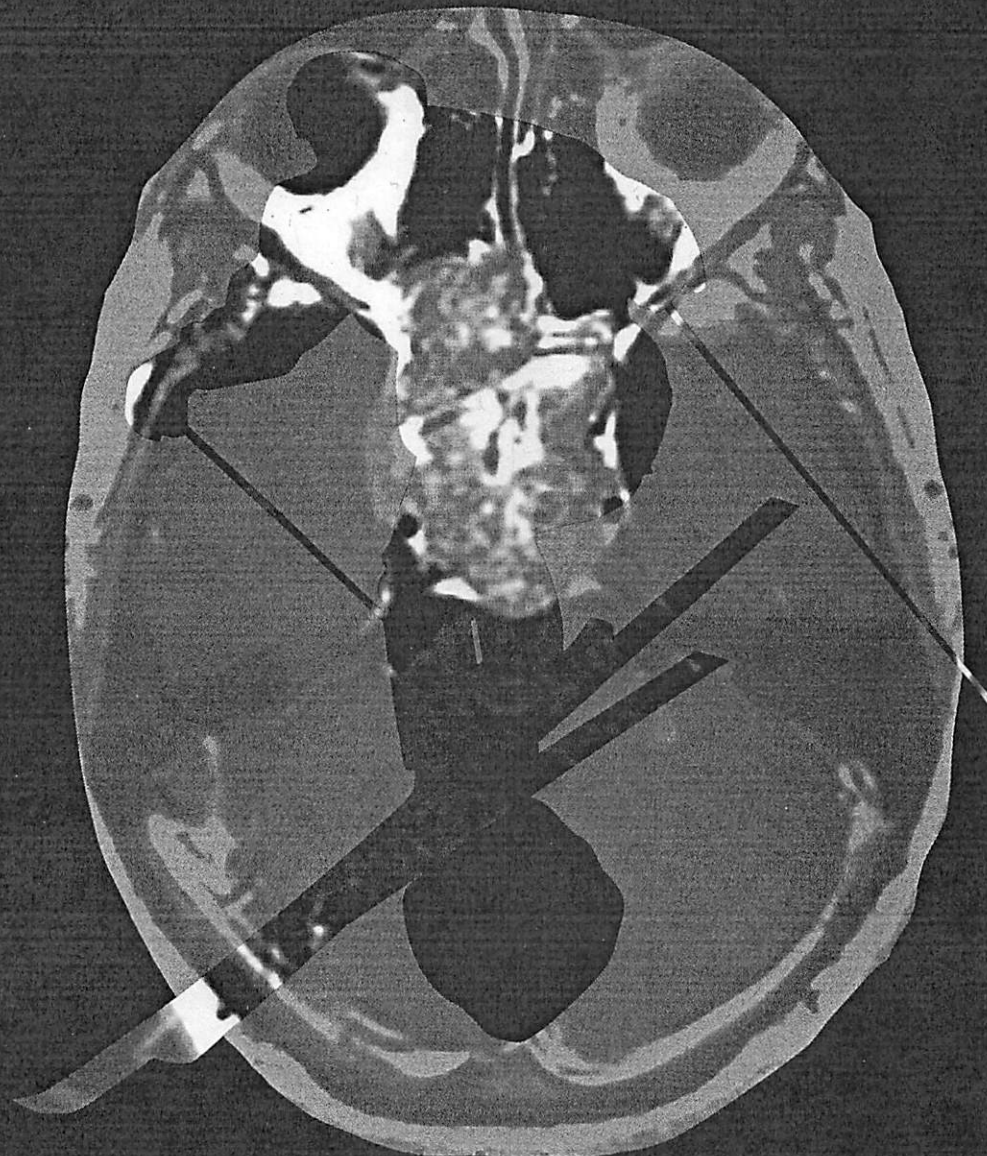


Mayfield Clinic in joint sponsorship with  
The Cleveland Clinic Foundation  
presents

# MAYFIELD CLINIC — CLEVELAND CLINIC WINTER NEUROSCIENCE SYMPOSIUM



*Advances in Clinical Neurosurgery 2000*

Snowmass Conference Center • Snowmass, Colorado  
February 20 - 25, 2000



MAYFIELD CLINIC-  
CLEVELAND CLINIC  
WINTER  
NEUROSCIENCE  
SYMPOSIUM

*Advances in  
Clinical Neurosurgery 2000*

Advances in Clinical Neurosurgery 2000 is one of the nation's premiere neurosurgical symposiums, focusing on life-threatening and debilitating issues that affect more than 80% of Americans, such as spinal diseases and disorders, cerebrovascular disease, neuro-oncology, and functional neuroscience. Jointly sponsored by the Mayfield Clinic and the Cleveland Clinic, this symposium is targeted to neurosurgeons, orthopedists, neuroradiologists and neurologists. You're invited to attend one of neurosciences most exciting neurosurgical symposiums.

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

Douglas Chyatte, MD  
Jeffrey T. Keller, PhD  
John M. Tew, Jr., MD  
William D. Tobler, MD  
Thomas Tomsick, MD  
Mario Zuccarello, MD

# REGISTRATION

## MAYFIELD CLINIC – CLEVELAND CLINIC WINTER NEUROSCIENCE SYMPOSIUM

*Advances in  
Clinical Neurosurgery 2000  
February 20-25*

*(Please Print)*

Name \_\_\_\_\_

Title \_\_\_\_\_

(MD, RN, etc.)

Company \_\_\_\_\_

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone \_\_\_\_\_

Fax \_\_\_\_\_

SS# \_\_\_\_\_

*(Needed for CME credit)*

- My check for the tuition fee of \$750, 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  
e-mail: sstuckey@mayfieldclinic.com

REGISTRATION LIMITED  
DEADLINE:  
FEBRUARY 6, 2000



# PROGRAM

MONDAY, FEBRUARY 21

## MORNING SESSIONS

- 7:00 am Intracranial Stenting  
Andrew Ringer, MD
- 7:20 am Intracranial Revascularization  
Mario Zuccarello, MD
- 7:40 am Acute Stroke Thrombolysis: Implications  
for Acute Carotid Endarterectomy  
Thomas Tomsick, MD
- 8:00 am Guidelines for Management of  
Intracranial Aneurysms  
Douglas Chyatte, MD
- 8:20 am Carotid Angioplasty  
Robert Boulos, MD
- 8:40 am Consultant's Corner  
Troy Payner, MD

## AFTERNOON SESSIONS

- 4:00 pm Cervical Microendodisectomy  
Mark Redding, MD
- 4:20 pm Prospective Randomized Multicenter  
Clinical Trials of Cervical Fusion Cages  
Robert Hacker, MD
- 4:40 pm Current Techniques & Complications  
in Anterior Cervical Surgery  
Stephen Papdopoulos, MD
- 5:00 pm Hands-on Instrumentation
- 5:20 pm
- 5:40 pm Consultant's Corner  
Stephen Papdopoulos, MD
- 6:00 pm

*A 5 minute Q & A period is included  
in the allotted time for each speaker.*

## FACULTY

Cleveland Clinic Foundation  
John C. Andrefsky, MD  
Douglas Chyatte, MD  
Joung H. Lee, MD  
Mike Vogelbaum, MD  
Melvin D. Whitfield, MD

Mayo Clinic, Minnesota  
Michael J. Link, MD  
Fredric B. Meyer, MD

University of Cincinnati Dept. Neurosurgery  
Mayfield Clinic & Spine Institute  
George K. Bovis, MD  
Christopher D. Kager, MD  
Jeffrey T. Keller, PhD  
Jonathon D. Sherman, MD  
Carl Shapiro, DO  
John M. Tew, Jr., MD  
William Tobler, MD  
Thomas Tomsick, MD  
Mario Zuccarello, MD

TUESDAY, FEBRUARY 22

WEDNESDAY, FEBRUARY 23

**Esthesioneuroblastomas and  
Glomus Jugulare Tumors**  
Michael J. Link, MD

**LEXAR, A New High-Precision  
Radiosurgery Technology**  
John M. Tew, Jr., MD

**Malignant Meningiomas**  
Michael Stechison, MD

**Gliadel Dose Escalation Update**  
Alessandro Olivi, MD

**Consultant's Corner**  
Joung Lee, MD

**Intervertebral Disc Physiopathology  
and Discogenic Pain**  
Charles Dean Ray, MD

**Current Techniques & Complications  
in Thoracolumbar Surgery**  
Stephen Papdopoulos, MD

**Hands-on Instrumentation:  
Thoracolumbar Spine**

**Consultant's Corner**  
Charles Dean Ray, MD

*A 5 minute Q & A period is included  
in the allotted time for each speaker.*

**Spinal Fixation for Spine  
Stereotactic Radiosurgery**  
Allan J. Hamilton, MD

**Malignant Gliomas**  
Lucia Zamorano, MD

**Cranial Nerve Function After  
Radiosurgery**  
David W. Andrews, MD

**Radiosurgery for Dural Fistula**  
Robert Boulos, MD

**Consultant's Corner**  
Allan J. Hamilton, MD

**2:00-3:30 Special Hands-on Course:  
Introduction to Image-Guided Surgery**

**A 5 year Experience Using  
Image-Guided Surgery**  
William D. Tobler, MD

**Hands-on Course: Advanced  
Image-Guided Surgery**  
William D. Tobler, MD

*A 5 minute Q & A period is included  
in the allotted time for each speaker.*

**David W. Andrews, MD**  
Thomas Jefferson University

**Robert Boulos, MD**  
The Christ Hospital, Cincinnati

**Robert Hacker, MD**  
Eugene, Oregon

**Michael R. Chicoine, MD**  
Washington University

**Edmund H. Frank, MD**  
Oregon Health Science University

**Allan J. Hamilton, MD**  
University of Arizona Health Sciences Center

**Andrew Kokkino, MD**  
Loyola University

**Alessandro Olivi, MD**  
Johns Hopkins University School of Medicine

THURSDAY, FEBRUARY 24

**Surgical Management of  
Orbital Apex Lesions**  
Joung Lee, MD

**Treatment of Osteoporotic Fractures**  
Edmund Frank, MD

**Hands-on Course: Instrumentation  
& Devices for Cranial Closures**  
Chris Kager, MD

**Phrenology in the 21st Century**  
Jeffrey T. Keller, MD

**Recent Gene Therapy Strategies  
for Primary Intracranial Tumors**  
Mike Vogelbaum, MD

**A Role for Hyperbaric Oxygen in  
Treatment of Malignant Gliomas**  
Andrew Kokkino, MD

**Pituitary Adenomas**  
Michael R. Chicoine, MD

**Consultant's Corner**  
Alessandro Olivi, MD

*A 5 minute Q & A period is included  
in the allotted time for each speaker.*

FRIDAY, FEBRUARY 25

**Arnold Chiari Malformations:  
Pathophysiology and Treatment**  
Mario Zuccarello, MD

**Hemicraniectomy**  
John C. Andrefsky, MD

**Debunking Mystic Around  
Spinal Manipulation**  
Carl Shapiro, MD

**Transitional Cavernous Aneurysms  
Unsuitable for Endovascular Treatment**  
Fredric Meyer, MD

**Consultant's Corner**  
John M. Tew, Jr., MD

**Platform Presentations**

**All presentations 15 minutes  
and 5 minutes for discussion.**

Abstracts should be submitted no later  
than December 28, 1999 and mailed to  
Jeffrey T. Keller, PhD, University of  
Cincinnati Medical Center, PO Box  
670515, Cincinnati, Ohio 45267-0515  
or faxed to 513-558-7702.

*A 5 minute Q & A period is included  
in the allotted time for each speaker.*

BASE ELEVATION: 6,900'

**Troy Payner, MD**  
Indianapolis Neurosurgical Group

**Stephen Papadopoulos, MD**  
University of Michigan Medical Center

**Charles Dean Ray, MD**  
Williamsburg, Virginia

**Mark Redding, MD**  
Concord, North Carolina

**Andrew Ringer, MD**  
SUNY Medical Center

**Michael Stechison, MD**  
Albany, Georgia

**Lucia Zamorano, MD**  
Wayne State University

# Advances in Clinical Neurosurgery 2000

## OBJECTIVES

- Upon completion of the symposium, participants should be able to:
- Describe current treatments for malignant brain gliomas
  - Explain acute stroke thrombolysis
  - Relate the surgical treatment of aneurysms
  - Describe intracranial stenting
  - Assess, through hands-on experience, the major image-guided stereotaxic systems available in the commercial market for cranial and spinal stereotaxic surgery.
  - Apply hands-on experience to instrumentation systems for cervical and lumbar spinal surgery

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

The Cleveland Clinic Education Foundation certifies that this continuing medical education offering meets the criteria for 24 hours in Category 1 of the Physician's Recognition Award of the American Medical Association provided it is used and completed as designed. Each physician should claim only those hours of credit that he/she actually spent in the educational activity.

## FACULTY DISCLOSURE

\*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) and/or who will be discussing off-label therapies. Each speaker has been requested to complete a faculty disclosure form. The names of faculty members declaring a potential conflict of interest, discussing off-label therapies, and those who decline to sign a statement will be shown in the activities syllabus.

## LODGING & TUITION

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. A minimum of 7 nights stay is required. Reservation deadline is January 19, 2000.

\$750.00 payable with pre-registration. A \$100 cancellation fee will be charged for withdrawals after February 14, 2000. Written notification is required to process a refund.

## QUESTIONS

Call Sheila Stuckey, Mayfield Clinic, 800-325-7787, ext. 5251; fax 513-569-5365. For information on best ski equipment rental for beginner, intermediate and expert skiers, call Snowmass Sports at 800-950-3567. Discounts are available.

United and United Express have joined with Snowmass Conference Center to offer discounts on airfare when lodging is arranged at Snowmass Village January 4, 2000 through December 15, 2000. For information call Snowmass Central Travel, 800-598-2004.