

# REGISTRATION

## THE WINTER CLINICS for Cranial & Spinal Surgery February 23-27, 2004

COURSE REGISTRATION DEADLINE:  
FEBRUARY 10, 2004

Register online!  
[www.mayfieldclinic.com](http://www.mayfieldclinic.com)

Registration Form  
(Please Print)

Name \_\_\_\_\_  
(First, middle initial, last & title-MD, RN, etc.)

Company \_\_\_\_\_

Address \_\_\_\_\_

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

Phone \_\_\_\_\_

Fax \_\_\_\_\_

Email \_\_\_\_\_

	Tuition (check one)
<input type="checkbox"/> Full Program (Feb. 23-27)	<input type="checkbox"/> \$1000
<input type="checkbox"/> Cranial Program only (Feb. 23-25)	<input type="checkbox"/> \$ 800
<input type="checkbox"/> Spinal Program only (Feb. 25-27)	<input type="checkbox"/> \$ 800

My check made payable to the Neurosciences Foundation for the registration fee of the program checked is enclosed. All foreign payments must be made by a draft on a U.S. bank.

Charge to: Visa    Mastercard    (circle one)

Account # \_\_\_\_\_

Exp. date \_\_\_\_\_

Signature \_\_\_\_\_

Mail to:  
Peg Bach, Coordinator  
Mayfield Clinic  
506 Oak Street, Cincinnati, Ohio 45219  
Phone: 800-325-7787, ext. 5251  
Fax: 513-569-5365  
e-mail: [pbach@mayfieldclinic.com](mailto:pbach@mayfieldclinic.com)

# PROGRAM

MONDAY, FEBRUARY 23

TUESDAY, FEBRUARY 24

WEDNESDAY, FEBRUARY 25

THURSDAY, FEBRUARY 26

FRIDAY, FEBRUARY 27

MORNING SESSIONS

AFTERNOON SESSIONS

7:00 am

Carotid Ophthalmic Artery Aneurysms:  
Relevant Surgical Anatomy  
*Jeffrey T. Keller, PhD*

Surgery Turning the Tide of History:  
The Death of Stonewall Jackson  
*Allan J. Hamilton, MD*

radiosurgery for Skull-base Tumors:  
An Update  
*Alain C. J. de Lotbiniere, MD*

Advanced Biomechanics for Spine Surgeons  
*Edward C. Benzel, MD*

Sagittal Plane Deformity of the  
Thoracolumbar Spine  
*Robert J. Bobinski, MD, PhD*

7:20 am

Carotid Ophthalmic Artery Aneurysms:  
Presentation of Clinical Results  
*Mario Zuccarello, MD*

Craniocervical Junction Abnormalities:  
Management Options  
*Joseph T. Alexander, MD*

Lateral Mass Screw: Rod Fixation of the  
Cervical Spine  
*H. Gordon Deen, MD*

Unilateral Approaches to Lumbar Spine  
*Glen Keiper, MD*

7:40 am

Surgery of Contralateral Ruptured Aneurysms in Setting  
of Ipsilateral Aneurysms of Anterior Cerebral Circulation  
*Michael R. Chicoine, MD*

Technique vs. Technology: Robotics  
in Neurosurgery  
*Mario Zuccarello, MD*

Retrospective Comparison of Surgery, Radiosurgery and  
Observation for Patients with Acoustic Tumors: Review  
of 300 Patients at One Institution  
*David W. Andrews, MD*

Minimally Invasive Cervical Surgery  
*Martin D. Herman, MD, PhD*

New Developments in Lumbar Interbody Fusion:  
Moving Beyond the "PLIF"  
*Joseph T. Alexander, MD*

8:00 am

Firing Line: Management of Ordinary to Extraordinary  
Cerebrovascular Pathology  
*Troy Payner, MD*

Deep Brain Stimulation for Chronic Pain  
*Claudio A. Feler, MD*

Surgery vs. Radiosurgery for Brain Metastases  
*Michael A. Vogelbaum, MD, PhD*

Update on Artificial Cervical Disc Replacement  
*Jason Hubbard, MD*

Percutaneous Lumbar Spine Fusion  
*Martin D. Herman, MD, PhD*

8:20 am

Firing Line: General Neurosurgery:  
Confounding Cases with Solutions  
*Michael J. Link, MD*

Entrapment Syndromes of the Lower Extremity  
*Robert J. Spinner, MD*

Cervical Arthroplasty: Current Outcomes and  
Future Trends  
*Regis W. Haid, Jr., MD*

Experience with Minimally Invasive Lumbar  
Pedicule Screws Using the "Pathfinder System"  
*William D. Tobler, MD*

8:40 am

Endovascular Management of Traumatic Vascular  
Lesions  
*Troy Payner, MD; Armond Levy, MD*

Adjourn for the morning\*

Adjourn for the morning\*

Firing Line - Cervical Spine Pathology:  
From Ordinary to Extraordinary  
*Edward C. Benzel, MD*

TLIF & PLIF: Minimally Invasive Interbody Fusion  
*Jason Hubbard, MD*

9:00 am

Adjourn for the morning\*

Adjourn for the morning\*

Adjourn for the morning\*

Cervical Spine Instrumentation:  
Hands-on Workshop  
*Charles Kuntz, IV, MD; P. Colby Maher, MD*

Minimally Invasive Spine Techniques:  
Hands-on Workshop  
*William D. Tobler, MD*

9:20 am

Adjourn for the morning\*

Adjourn for the morning\*

Adjourn for the morning\*

Adjourn for the morning\*

Adjourn for the morning\*

4:00 pm

Clinical Trials in Head Injury  
*Raj K. Narayan, MD*

100 Aneurysms: Decision Making of an  
Endovascular Neurosurgeon  
*Andrew J. Ringer, MD*

Introduction  
*William D. Tobler, MD*

Osteobiologics / BMP  
*Randy Davis, MD*

Update Imaging of Back Pain: Clinical Merits  
*Alice Patton, MD*

4:20 pm

Adjourn for the morning\*

Meningiomas Extending into the IAC:  
Management and Outcome  
*Michael J. Link, MD*

Spine Surgery Education: Its Evolution & Future  
*Edward C. Benzel, MD*

Percutaneous Vertebral Body Access:  
Comparison of Techniques  
*Andrew J. Ringer, MD*

Surgical Experience with ALIF  
*Clyde Carpenter, MD*

4:40 pm

Clinoidal Meningiomas  
*Joung H. Lee, MD*

Endoscopic Assisted Surgery of Cranial Nerves  
*John M. Tew, Jr., MD*

Fiftieth Anniversary of ACDF  
*Randy Davis, MD*

Percutaneous Vertebral Reinforcement: Adjunct  
to Reconstruction of Osteoporotic Spine  
*Edmund H. Frank, MD*

Prosthetic Discs: The Future of Spine Surgery  
*Charles D. Ray, MD*

5:00 pm

Clinical Concerns About Care of Brain Tumor Patients  
*Glen H. J. Stevens, DO, PhD*

The Economics of Trigeminal Neuralgia  
Treatment  
*Robert D. Ecker, MD*

Use of BMP in Posterolateral Fusion  
*Eric W. Nottmeier, MD*

Thoracolumbar Kyphoplasty:  
Avoidance of Complications  
*Andrew Kokkino, MD*

Clinical Experience with the Artificial Disc  
*TBA*

5:20 pm

Minimally Invasive Surgery of Pituitary Tumors  
*John M. Tew, Jr., MD*

Controversies in Brachial Plexus Surgery  
*Robert J. Spinner, MD*

3-D Imaging and the Spine: Imaging & Animation  
as a Biomechanical and Academic Tool  
*Sarah C. Jost, MD*

Anterior vs. Posterior vs. 360° Stabilization:  
Who Needs What?  
*Joseph T. Alexander, MD*

Posterolateral Arthrodesis and PLIF for  
Degenerative Spine Disease  
*Clyde Carpenter, MD*

5:40 pm

Role of Neurointensivist in a Neurosurgical Setting  
*Michael DeGeorgia, MD*

Video Assisted Thoracoscopic Approach to  
Brachial Plexus  
*Charles Kuntz, IV, MD, Chad Morgan, MD*

Cost Benefit Analysis for Image Guided Spine Surgery  
*Douglas Chyatte, MD*

Presentation TBA  
*Edward Simmons, MD*

Clinical Management of Lumbar Pathology: From  
Controversy to Consensus- Case Presentation  
*Robert J. Bobinski, MD, PhD; Randy Davis, MD*

6:00 pm

Adjourn for the evening\*

Adjourn for the evening\*

Isocentric 3-D Fluoroscopic Navigation for Spinal  
Surgery  
*TBA*

Instrumentation of Thoracolumbar Spine:  
Hands-on Workshop  
*Charles Kuntz, IV, MD; P. Colby Maher, MD*

Adjourn\*

6:20 pm

Adjourn for the evening\*

Intraoperative Image Guided CT for Spinal Surgery  
*William D. Tobler, MD*

Adjourn for the evening\*

Adjourn for the evening\*

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

FACULTY American College of Spine Surgery, Jacksonville, FL (Charles D. Ray, MD); Atlanta Brain and Spine Care, Atlanta, GA (Regis W. Haid, MD); Bay Area Orthopaedics and Sports Medicine, Glen Burnie, MD (Randy F. Davis, MD); Center of Brain and Spine Surgery, Chicago, IL (Martin D. Herman, MD, PhD); Cleveland Clinic Foundation, Cleveland, OH (Edward C. Benzel, MD, Michael DeGeorgia, MD, Joung H. Lee, MD, Glen H. J. Stevens, DO, PhD, Michael Vogelbaum, MD, PhD); Coeur d'Alene Spine and Brain, Coeur d'Alene, ID (Glen Keiper, MD); Geisinger Health System, Danville, PA (Douglas C. Chyatte, MD); Indianapolis Neurosurgical Group, Indianapolis, IN (Armond Levy, MD, Troy Payner, MD); Lancaster NeuroScience and Spine Associates, Lancaster, PA (Christopher D. Kager, MD); Mayo Clinic, Rochester, MN (Robert D. Ecker, MD, Michael J. Link, MD, Robert J. Spinner, MD); Mayo Clinic, Jacksonville, FL (H. Gordon Deen, MD, Eric Nottmeier, MD, Alice Patton, MD); Neurological Surgeons, P.C., Nashville, TN (Jason Hubbard, MD); Olympia Orthopaedics Associates, Olympia, WA (Clyde Carpenter, MD); Oregon Health Sciences University, Portland, OR (Edmund H. Frank, MD); Oregon Neurosurgery Specialists, Eugene, OR (Andrew Kokkino, MD); Simmons Orthopaedic and Spine Associates, Buffalo, NY (Edward Simmons, MD); Thomas Jefferson University Medical Center, Philadelphia, PA (David W. Andrews, MD); University of Arizona Health Sciences Center, Tucson, AZ (Allan J. Hamilton, MD); University of Cincinnati/Mayfield Clinic, Cincinnati, OH (Robert J. Bobinski, MD, PhD, Jeffrey T. Keller, PhD, Charles Kuntz, IV, MD, P. Colby Maher, MD, Chad Morgan, MD, Raj K. Narayan, MD, Andrew J. Ringer, MD, John M. Tew, Jr., MD, William D. Tobler, MD, Mario Zuccarello, MD); University of Tennessee, Memphis, TN (Claudio A. Feler, MD); Wake Forest University School of Medicine, Winston-Salem, NC (Joseph T. Alexander, MD); Washington University Medical Center, St. Louis, MO (Michael R. Chicoine, MD, Sarah C. Jost, MD); Yale-New Haven Medical Center, New Haven, CT (Alain de Lotbiniere, MD)



## OBJECTIVES

- Upon completion of the symposium, participants should be able to:
- Discuss general neurosurgery topics including head injury and the treatment of peripheral nerve disorders.
  - Describe minimally invasive surgical techniques for both cranial and spinal surgery
  - Compare the cost effectiveness of various neurosurgical treatment modalities.
  - Describe the treatment of aneurysms of the anterior cerebral circulation.
  - Discuss intracranial and spinal pathology and review case presentations.
  - Identify pathology of the cervical and thoracolumbar spine.

## ACCREDITATION

This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of The Cleveland Clinic Center for Continuing Education and Mayfield Clinic. The Cleveland Clinic Center for Continuing Education is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Cleveland Clinic Center for Continuing Education designates this educational activity for a maximum of \_\_\_ category 1 credits towards the AMA Physician's Recognition Award. Each physician should claim only those credits that he/she actually spent in the activity.

This activity may be submitted for American Osteopathic Association Continuing Medical Education credit in Category 2.

## 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. The names of the 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 activity syllabus.

## LODGING &amp; TUITION

The SilverTree Hotel, (800-525-9402) which is adjacent to the Snowmass Conference Center, and the Timberline Condominiums (800-922-4001) are holding a limited number of rooms. A minimum of 7 nights stay is required. Reservations will be accepted upon availability.

\$1000.00 for the full program or \$800.00 for either the cranial or spinal program payable to Neurosciences Foundation with pre-registration. A \$100 cancellation fee will be charged for withdrawals after February 10, 2004. Written notification is required to process a refund. **You can register online at: [www.mayfieldclinic.com](http://www.mayfieldclinic.com)**

## QUESTIONS

For information on best ski equipment rental for beginner, intermediate and expert skiers, call Snowmass Sports, 800-950-3567. Discounts are available.

If you have any special needs that require additional assistance please call Jenny Smith, Snowmass Village Resort Association, at 800-598-2006, ext. 275. Requests must be received at least two weeks before the course date.

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Mayfield Clinic in joint sponsorship with  
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presents

# THE WINTER CLINICS

## for Cranial & Spinal Surgery

 **New this year!**  
**Orthopedics joins**  
**neurosurgery for the**  
**country's premier**  
**educational event!**

February 23-27, 2004  
Snowmass Conference Center  
Snowmass Village, Colorado

## THE WINTER CLINICS

### for Cranial & Spinal Surgery

The Winter Clinics is one of the nation's most exciting symposiums featuring presentations and hands-on courses on some of today's most pressing topics.

**Featured presentations** will include: fractionated stereotactic radiosurgery for optic nerve sheath meningiomas, endovascular treatment of cerebral aneurysms, endarterectomy versus angioplasty and stenting, aneurysms of the anterior cerebral circulation, image-guided spinal surgery, kyphoplasty and vertebroplasty, new developments in lumbar interbody fusion, cervical spondylosis and dynamic spine stabilization, artificial discs, BMP, and instrumentation workshops

**Jointly sponsored** by the Mayfield Clinic and The Cleveland Clinic Foundation, this symposium is targeted to neurosurgeons, orthopedists, neuroradiologists, and neurologists.

Each day the program is divided into morning and evening sessions, leaving mid-day sessions open.

#### COURSE Co-DIRECTORS

**Jeffrey T. Keller, PhD**  
University of Cincinnati Medical Center  
**William D. Tobler, MD**  
University of Cincinnati Medical Center  
**Michael Vogelbaum, MD, PhD**  
The Cleveland Clinic Foundation

#### PLANNING COMMITTEE

**Charles Kuntz, IV, MD**  
University of Cincinnati Medical Center  
**Joung H. Lee, MD**  
The Cleveland Clinic Foundation  
**Michael J. Link, MD**  
Mayo Clinic  
**Raj K. Narayan, MD**  
University of Cincinnati Medical Center  
**John M. Tew, Jr., MD**  
University of Cincinnati Medical Center  
**Mario Zuccarello, MD**  
University of Cincinnati Medical Center