Mayfield Clinic in joint sponsorship with The Cleveland Clinic and Mayo Clinic present

THE 2001 WINTER NEUROSCIENCE SYMPOSIUM

Snowmass Conference Center Snowmass Village, Colorado February 25 - March 2, 2001



The 2001 Winter Neuroscience Symposium 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 diseases and disorders, cerebrovascular disease, neuro-oncology, and neuro-functional diseases and disorders. Jointly sponsored by the Mayfield Clinic, The Cleveland Clinic, and Mayo Clinic, this symposium is targeted to neurosurgeons, orthopedists, neuroradiologists and neurologists. You're invited to attend one of neuroscience's 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

Jeffrey T. Keller, PhD
University of Cincinnati Medical Center
Joung Lee, MD
The Cleveland Clinic Foundation
Michael J. Link, MD
Mayo Clinic
John M. Tew, Jr., MD
University of Cincinnati Medical Center
William D. Tobler, MD
University of Cincinnati Medical Center
Thomas Tomsick, MD
University of Cincinnati Medical Center
Mario Zuccarello, MD
University of Cincinnati Medical Center

REGISTRATION

THE 2001 WINTER NEUROSCIENCE SYMPOSIUM

February 25-March 2, 2001

Registration Form, Course #020101
(Please Print)

Name	
(First, middle initial, last & title-MD, RN, etc.)	
Company	
Address	
City, State, Zip	
Phone	
Fax	
Email	

☐ 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

Course Registration Deadline: February 12, 2001



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Morning Sessions	7:00 am	NBCA Acrylic vs. PVA/Coils as Preoperative Adjunct: The NBCA Study Thomas Tomsick, MD
	7:20 am	Endovascular Therapy for Intracranial Atherosclerosis Andrew Ringer, MD
	7:40 am	Hemicraniectomy & Durotomy for Hemispheric Stroke: Update on HeADDSFIRST Study Douglas Chyatte, MD
	8:00 am	Intracerebral Hemorrhage Mario Zuccarello, MD
	8:20 am	Surgical Treatment of Vascular Lesions at the Skull Base: Surgical Anatomy, the "sine qua non" Jeffrey T. Keller, PhD, Mario Zuccarello, MD
	8:40 am	
	9:00 am	Consultant's Corner Troy Payner, MD
	— 9:30 am	Adjourn for morning
AFTERNOON SESSIONS	4:00 pm	Volumetric Quantification of Tumor Resection by Continuous Intraop Neuro & Language Assessments Fredric Meyer, MD
	4:30 pm	The Role of Interleukins in the Treatment of Experimental Brain Tumors Alessandro Olivi, MD
	5:00 pm	Delivery of Genetically Engineered Cells in Neoplastic Tissue: Wound Healing & Tissue Engineering James R. Fick, MD
	5:30 pm	Regression of Experimental Gliomas in Animals Using Lipopolysaccharides Michael R. Chicoine, MD
	6:00 pm	Failures in Endoscopic Treatments: Indications for an Endoscopic "Redo" Christian Matula, MD, PhD
	— 6:30 pm	Adjourn for the evening 5 minute Q & A period is included in the alotted time for each speaker.

Cleveland Clinic Foundation/ Department of Neurosurgery Cleveland, OH

John C. Andrefsky, MD Edward C. Benzel, MD Douglas Chyatte, MD Christopher Kager, MD Joung H. Lee, MD Mike Vogelbaum, MD Sarel Vorster, MD University of Cincinnati/Mayfield Clinic & Spine Institute Cincinnati, OH

Jeffrey T. Keller, PhD
Charles Kuntz, MD
Carl Shapiro, DO, Mayfield Spine Institute
John M. Tew, Jr., MD
William Tobler, MD
Thomas Tomsick, MD, University Neuroradiology
Mario Zuccarello, MD

Discogenic Pain and Physiology of the Disc Charles Dean Ray, MD

Glomus Jugulare Tumors Murali Guthikonda, MD

Management of Referred vs. Radicular Pain with Lumbar Trigger Point Injections Carl M. Shapiro, DO

Surgery of the Pediatric Cranial Base David P. Gruber, MD

Cervical Spondylitic Myleopathy Chris Kager, MD

Metastatic Brain Tumors: Current Treatment William D. Tobler, MD

Transoral Odontoid Decompression and Management William C. Welch, MD

Surgery vs. Radiosurgery for the Treatment of **Brain Metastases** Michael Vogelbaum, MD

Osteogenic Progenitor Cells: How They Work and Are They Viable Edmund H. Frank, MD

Intraoperative Imaging and Neuronavigational Techniques - Our Experience in Austria Christian. Matula, MD, PhD

Consultant's Corner: Clinical Decisions Regarding Cervical Spine Pathology

William C. Welch, MD, Mario Zuccarello, MD

Consultant's Corner: Intracranial Tumors - Treatment Options William D. Tobler, MD

Adjourn for the morning

Adjourn for morning

Biomechanics of Cervical Spine Edward C. Benzel, MD

Stage Volume AVM Surgery Bruce Pollack, MD

Hands-on Workshop on Cervical Spine Instrumentation Edward C. Benzel, MD Chris Kager, MD

Functional Radiosurgery Michael J. Link, MD

Outcome of 205 Meningiomas using Conventional Fraction Stereotactic Radiotherapy David W. Andrews, MD

Stereotactic Radiosurgery for Recurrent Head and Neck Tumors Andrew J. Kokkino, MD

Consultant's Corner: Issues Regarding **Cervical Spine Instrumentation** Edward C. Benzel, MD

Consultant's Corner: Intracranial Tumors -Diagnosis and Treatment Options David W. Andrews, MD

Adjourn for the evening 5 minute Q & A period is included in the alotted time for each speaker.

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Mayo Clinic/Department of Neurosurgery Rochester, MN

> Mark B. Dekutoski, MD Michael J. Link, MD

Thomas Jefferson University Medical Center Pittsburgh, PA David W. Andrews, MD

Fredric B. Meyer, MD Bruce E. Pollack, MD Robert Spinner, MD

Washington University Medical Center, St. Louis, MO Michael R. Chicoine, MD

University of Georgia Medical Center Augusta, GA James R. Fick, MD

Oregon Health Science University, Portland, OR Edmund H. Frank, MD

Wayne State University Medical Center, Detroit, MI Murali Guthikonda, MD

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

THURSDAY, MARCH I

Adjacent Segment Disease Mark B. Dekutoski, MD

Rehabilation Techniques for Spinal Pain: Exercise, Modalities, Manipulation & Injection Carl M. Shapiro, DO

Intradiscal Electrothermy: Patient Selection and Outcomes William C. Welch, MD

Cage Fusions as Stand-Alone Quo Vadis Charles Dean Ray, MD

Vertebroplasty and Kyphoplasty for Osteoporotic Compression Fractures Lee Gutterman, MD

Outcomes Research Methods in Spinal Surgery Sarel Vorster, MD

Consultant's Corner: Clinical Decisions Regarding Thoracolumbar Spine Pathology Mark B. Dekutoski, MD, Charles Dean Ray, MD

Adjourn for the morning

Overview of Thoracolumbar Instrumentation Charles Kuntz, IV, MD

Hands-on Workshop of Thoracolumbar Insrumentation Charles Kuntz, IV, MD Stephen M. Papadopoulas, MD

Image Guided Spine Workshop William Tobler, MD Stephen Papadopoulos, MD

Adjourn for the evening 5 minute Q & A period is included in the alotted time for each speaker.

Oregon Neurosurgery Specialists, Eugene, OR Andrew J. Kokkino, MD

University of Vienna Medical Center, Austria Christian Matula, MD, PhD

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

University of Michigan, Ann Arbor, MI Stephen M. Papdopoulas, MD

FRIDAY, MARCH 2

The Use of Hypothermia for Acute Neurological Diseases John C. Andrefsky, MD

Sarcoidosis - An Intracranial Impostor Michael T. Stechison, MD, PhD

Results of the National Gliadel Study: A Report Allan J. Hamilton, MD

Vestibular Nerve Sectioning for Intractable Vertigo Joung Lee, MD

Analysis of Resection of Pituitary Adenomas & Cerebral Gliomas Using Intraoperative MRI John M. Tew, Jr., MD

Common Peripheral Nerve Entrapment Syndromes Robert Spinner, MD

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

BASE ELEVATION: 6,900

Indianapolis Neurosurgical Group, IN Troy D. Payner, MD

Eastern Virginia Medical College, VA Charles Dean Ray, MD

SUNY Medical Center, Buffalo, NY Lee Gutterman, MD & Andrew J. Ringer, MD

South Georgia Neurosurgery, PC, Albany, GA Michael T. Stechison, MD, PhD

University of Pittsburgh Medical Center, PA William C. Welch, MD Upon completion of the symposium, particpants should be able to:

- Describe current therapies and treatment modalities for vascular lesions including aneurysm, intracerebral hemorrhage and stroke.
- Describe experimental and clinical treatment modalities for neoplastic intracranial lesions.
- · Describe treatment modalities for pathology of cervical spine.
- Demonstrate current, state-of-the-art spinal instrumentation applied in surgical treatment of the cervical spine.
- Describe various treatment modalities including surgery and radiosurgery, for intracranial tumors of children and adults.
- Demonstrate the application of radiosurgery for the treatment of vascular and neoplastic lesions of the head and neck.
- Describe the surgical and nonsurgical treatment of thorarcolumbar pathology.
- Demonstrate current, state-of-the-art spinal instrumentation applied in the surgical treatment of thoracolumbar pathology.
- Discuss the disease processes of the nervous system including trigeminal neuralgia and sarcoidosis and their treatment as well as physiological aspects of edema and hypothermia.

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 Center for Continuing Education, Mayfield Clinic and Mayo Clinic. The Cleveland Clinic Center for Continuing Education is accredited by the Accreditation Council for Continuing Medical Education (ACCME*) to sponsor continuing medical education for physicians.

The Cleveland Clinic Foundation Center for Continuing Education designates this continuing educational activity for a maximum of 21 hours in Category 1 credit towards the AMA Physicians Recognition Award. Each physician should claim only those hours of credit that he/she actually spent in this educational activity.

This information is provided for general medical education purposes only and is not meant to substitute for the independent medical judgement of a physician relative to diagnostic and treatment options of a specific patient's medical condition. In no event will the The Cleveland Clinic Center for Continuing Education, Mayfield Clinic or Mayo Clinic be liable for any decision made or action taken in reliance upon the information provided through this activity.

*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.

The SilverTree Hotel, which is adjacent to the Snowmass Conference Center, and the Timberline Condominiums are holding a limited number of rooms. Make reservations by calling 800-598-2004. A minimum of 7 nights stay is required for Timberline Condominiums. Room reservation deadline is December 24, 2000; after that date, reservations will be accepted upon availability. When calling, identify yourself as being with the Winter Neuroscience Symposium.

\$750.00 payable to Neurosciences Foundation with pre-registration. A \$100 cancellation fee will be charged for withdrawals after February 12, 2001. Written notification is required to process a refund.

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. For information call Snowmass Central Travel, 800-598-2004.

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