9TH BIENNIAL INTERNATIONAL MEETING OF MENINGIOMAS AND THE CEREBRAL VENOUS SYSTEM

August 10-12, 2014

Silverado Resort
Napa, California

REGISTER TODAY!
For more information or to register online, visit our website at www.cme.ucsf.edu. You may also reach us by calling the Office of Continuing Medical Education at (415) 476-4251 or email info@ocme.ucsf.edu.

COURSE DIRECTOR
Michael W. McDermott, MD
Professor of Neurological Surgery
Halperin Endowed Chair
Vice Chair of Neurological Surgery
Neurosurgical Director, UCSF Gamma Knife® Radiosurgery Program
University of California, San Francisco
The Department of Neurosurgery at UCSF invites you to attend the 9th biennial meeting of the International Meningioma Society. The course will be held at the Silverado Resort in Napa, California on August 10-12, 2014. The program endeavors to provide the latest updates and recent advances in the treatment of meningiomas and our understanding of the cerebral venous system. Neurosurgeons, neurosurgery residents, nurse practitioners, physician assistants, and other allied health professionals can benefit from this program.

EDUCATIONAL OBJECTIVES
An attendee completing this course should be able to:

• Utilize knowledge of recent trends in meningioma incidence to be able to better counsel patients about risk factors and associations for tumor development;
• Advise patients on likelihood of meningioma growth and assist in decision making for treatment of new meningioma patients;
• Apply multidisciplinary aspects of treatment using the most up to date information;
• Predict the role for surgery, radiation and radio surgery their indications and risks;
• Incorporate renewed knowledge of the anatomy of the cerebral venous system to assist surgical decision making and improve patient outcomes;
• Advise patients on treatment options for tumor recurrence.
COURSE DIRECTOR
Michael W. McDermott, MD
Professor of Neurological Surgery; Halperin Endowed Chair; Vice Chair of Neurological Surgery; Neurosurgical Director, UCSF Gamma Knife® Radiosurgery Program; University of California, San Francisco

COURSE FACULTY
University of California, San Francisco unless indicated

Ryojo Akagami, MD, BSc, MHSc, FRCSC
Associate Professor of Neurosurgery, The University of British Columbia, Vancouver, BC, Canada

Ossama (Sam) Al-Mefty, MD
Lecturer, Harvard Medical School; Director, Skull Base Program, Brigham and Women's Hospital, Boston, MA

Igor Barani, MD
Assistant Professor of Radiation Oncology

Peter M. Black, MD, PhD, FACS
Franc D. Ingraham Professor of Neurosurgery, Emeritus, Department of Emeritus, Harvard Medical School Neurosurgeon-in-Chief/Chair, Neurosurgery, Boston Children's Hospital, Boston, MA

Arnau Benet Cabrero, MD
Assistant Professor of Neurological Surgery

Cecilia Casali, MD
Istituto Nazionale Neurologico "C.Besta", Milan, Italy

Soonmee Cha, MD
Professor of Radiology

Steven Cheung, MD
Professor of Otolaryngology – Head and Neck Surgery

Benedicto Oscar Colli, MD, PhD
Divisão de Neurocirurgia Departamento de Cirurgia - HCFMURP Campus Universitário - Universidade de São Paulo, Brazil

William T. Coultheld, MD, PhD
Professor and Chairman of Neurosurgery, University of Utah, School of Medicine, Salt Lake City, UT

COURSE FACULTY (CONT'D)
Franco DeMonte, MD, FRCS (C), FACS
Professor and Vice Chair, Department of Neurosurgery, The University of Texas MD Anderson Cancer Center, Houston, TX

Ivan El-Sayed, MD
Associate Professor of Otolaryngology – Head and Neck Surgery

Rudolph Fahibusch, MD
Professor and Chairman of the Department of Neurosurgery at the University of Erlangen-Nürnberg, Erlangen, North-Bavaria, Germany

Murat Gunel, MD, FACS
Nixodff-German Professor of Neurosurgery and Professor of Genetics and of Neurobiology; Co-Director, Yale Program on Neurogenetics; Director, Neurovascular Surgery, Yale University, New Haven, CT

Michael C. Huang, MD
Assistant Professor of Neurological Surgery

Randy Jensen, MD
Professor of Neurosurgery, Residency Program Director, University of Utah, School of Medicine, Salt Lake City, UT

Hee-Won Jung, MD
President and CEO, Seoul National University College of Medicine, Seoul, South Korea

Ali Krisht, MD, FACS
Director, Arkansas Neuroscience Institute; Director, Cerebrovascular and Neuroendocrine Clinics, University of Arkansas, Little Rock, AR

Joung H. Lee, MD
Professor and Head of Skull Base Surgery Department of Neurosurgery Rose Ella Burkhartt Brain Tumor and Neuro-Oncology Center, Cleveland Clinic, Cleveland, OH

Tiit Mathiesen, MD, PhD
Professor of Neurosurgery, Karolinska University Hospital, Stockholm, Sweden

COURSE FACULTY (CONT'D)
Jacques J. Morcos, MD
Professor of Clinical Neurological Surgery and Otolaryngology; Director of Cerebrovascular Surgery; Director of Skull Base and Endoscopic Surgery, University of Miami, Miller School of Medicine, Miami, FL

Ajay Niranjan, MD, MBA
Associate Professor of Neurological Surgery; Director of Radiosurgery Research University of Pittsburgh, Pittsburgh, PA

Kenji Ohata, MD
Professor of Neurosurgery, Osaka City University Graduate School of Medicine, Osaka, Japan

M. Necmettin Pamir, MD
Professor of Neurosurgery, Acibadem International Hospital, Istanbul, Turkey

Arie Perry, MD
Professor of Pathology

David Saloner, PhD
Professor of Radiology

Thomas Santarius, MD, PhD, FRCS(SN)
Department of Neurosurgery Cambridge University Hospitals Cambridge, United Kingdom

Patricia (Penny) Sneed, MD
Professor of Radiation Oncology

Michael Sughrue, MD
Assistant Professor, Department of Neurosurgery, University of Oklahoma College of Medicine, Oklahoma City, OK

Philip Theodosopoulos, MD
Professor of Neurological Surgery

Harry Van Loveren, MD
Professor and Chair, College of Medicine Neurosurgery, Interim Dean, Morsani College of Medicine, David W. Cahill Professor and Chair, Department of Neurosurgery and Brain Repair, University of South Florida, Tampa, FL

Kyle Walsh, PhD
Assistant Professor of Neurological Surgery
**SUNDAY, AUGUST 10, 2014**

1:00 pm- 2:00 pm  *Registration*

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>2:00 pm</td>
<td><strong>GENERAL SESSION I</strong> • Moderator: Rudolph Fahlbusch</td>
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<tr>
<td>2:00 pm</td>
<td>History of Meningioma Society and New Developments</td>
<td>M. Necmettin Pamir</td>
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<tr>
<td>2:20</td>
<td>Updates on Epidemiology Research of Meningiomas</td>
<td>Kyle Walsh</td>
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<td>2:40</td>
<td>Neuropathology: Updates on Grading and Diagnostic Tools for the Future</td>
<td>Arie Perry</td>
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<td>3:10</td>
<td>Coffee Break</td>
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<tr>
<td>3:30 pm- 5:30 pm</td>
<td><strong>GENERAL SESSION II</strong> • Moderator: Peter M. Black</td>
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<tr>
<td>3:30 pm</td>
<td>The Natural History of Meningiomas - Modern Day Results</td>
<td>Jacques J. Morcos</td>
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<td>3:50</td>
<td>25 Year Results of Surgery for Falx / Parasagittal Meningiomas</td>
<td>Tii Mathiesen</td>
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<tr>
<td>4:10</td>
<td>Petroclival Meningiomas: the Role for Surgery</td>
<td>Ossama Al-Mefty</td>
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<td>4:30</td>
<td>Another Option to the Kawase Approach</td>
<td>Ryojo Akagami</td>
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<td>4:50</td>
<td>Petroclival Meningiomas: A Conservative Approach</td>
<td>Hee-Won Jung</td>
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<tr>
<td>5:10</td>
<td>Progress in the Genomic Analysis of Meningiomas</td>
<td>Murat Gunel</td>
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<td>5:30</td>
<td>Adjourn</td>
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6:00 pm - 8:00 pm  *Welcome Wine and Cheese Reception*
### Monday, August 11, 2014

**7:00 am - 7:30 am**  
*Continental Breakfast*

**7:00 am - 12:30 pm**  
*Poster Session*

**7:30 am - 9:30 am**  
**GENERAL SESSION III**  
Moderator: Harry Van Loveren  
*Cerebral Venous System*

<table>
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<tbody>
<tr>
<td>7:30</td>
<td>3D Anatomy of the Supratentorial Venous System</td>
<td>Arnau Benet Cabero</td>
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<tr>
<td>8:00</td>
<td>Staged Bridging Vein Ligation: A Safe Strategy in Gaining Wide Access to Skull Base Tumors</td>
<td>Kenji Ohata</td>
</tr>
<tr>
<td>8:20</td>
<td>3D Anatomy of the Infratentorial Venous System</td>
<td>Arnau Benet Cabero</td>
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<tr>
<td>8:50</td>
<td>Venous Infarction: Incidence, Etiology, Pathology</td>
<td>Michael Sughrue</td>
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<tr>
<td>9:10</td>
<td>Management of the High Jugular Bulb in CPA Meningiomas</td>
<td>Steven Cheung</td>
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<td>9:30</td>
<td>Surgical Management of Meningioma Invading the Superior Sagittal Sinus</td>
<td>Cecilia Casali</td>
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<tr>
<td>9:45</td>
<td><em>Coffee Break</em></td>
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**10:00 am - 12:00 pm**  
**GENERAL SESSION IV**  
Moderator: Michael McDermott  
*Endoscopic / Microsurgical Approaches for Meningiomas*

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>10:00</td>
<td>Olfactory / Planum Meningiomas</td>
<td>Franco DeMonte</td>
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<tr>
<td>10:20</td>
<td>Tuberculum Meningiomas</td>
<td>Philip Theodosopoulos</td>
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<tr>
<td>10:40</td>
<td>Clival / Petroclival Meningiomas</td>
<td>Hee-Won Jung</td>
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<tr>
<td>11:00</td>
<td>Spheno-orbital Meningioma Management</td>
<td>William T. Couldwell</td>
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<tr>
<td>11:20</td>
<td>Petroclival Meningiomas Resected via Combined Transpetrosal Approach: Surgical Outcomes in 60 Patients and a New Scoring System for Clinical Evaluation</td>
<td>Kenji Ohata</td>
</tr>
<tr>
<td>11:40</td>
<td>Complications of Nasal Septal Mucosal Flap Repair</td>
<td>Ivan El-Sayed</td>
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<tr>
<td>12:00</td>
<td><em>Adjourn</em></td>
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**12:00 pm**  
*Adjourn*

**10:00 am - 12:30 pm**  
**PARALLEL SESSION – OPEN PAPERS**

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<tr>
<th>Room</th>
<th>Session</th>
<th>Moderator</th>
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<tbody>
<tr>
<td>Buena Vista Room</td>
<td>Cranial Vault</td>
<td>Tii Mathiesen</td>
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<tr>
<td>Louis M. Martini Room</td>
<td>Anterior Skull Base</td>
<td>Thomas Santarius</td>
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<tr>
<td>Sutter Home Room</td>
<td>Posterior Skull Base</td>
<td>William T. Couldwell</td>
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**12:30 pm - 1:30 pm**  
*Executive Business Meeting*

**6:30 pm - 9:00 pm**  
*Gala Dinner*
TU ESDA Y, A U G U ST 12, 2014

7:00 am - 7:30 am  Continental Breakfast

7:00 am - 12:30 pm  Poster Session

7:30 am - 9:40 am  GENERAL SESSION V  •  Moderator: M. Necmettin Pamir

7:30 am  Atypical and Anaplastic Meningiomas: Sao Paulo Experience  Benedicto Oscar Colli

7:50  Atypical Malignant Meningiomas: Results of Modern Day Radiotherapy  Igor Barani

8:10  Stereotactic Radiosurgery for Meningiomas: Current Practice  Ajay Niranjan

8:30  Risk of Adverse Radiation Events After Radiosurgery  Penny Sneed

8:45  Role of Prophylactic Anticonvulsants in Meningioma Surgery  Michael McDermott

9:00  Perspectives on Important Issues in Meningioma Surgery  Rudolph Falbusch

9:40  Coffee Break

10:00 am - 12:00 pm  GENERAL SESSION VI  •  Moderator: Ali Krisht

10:00  Advanced MRI During Embolization of Meningiomas  David Saloner

10:20  Imaging Techniques for Meningioma: Beyond T1 MR  Soonmee Cha

10:40  Use of Intra-operative Imaging Adjuncts in Meningioma Surgery  Juong H. Lee

11:00  Options for Carotid Artery Occlusion  Michael C. Huang

11:20  Endoscope vs. Microscope: A Technique, Not a Specialty  Harry Van Loveren

11:40  Future Challenges for Meningioma Therapy  M. Necmettin Pamir

12:00 pm  Adjourn

10:00 am- 12:30 pm  PARALLEL SESSION

Buena Vista Room  Molecular Biology  Moderator: Murat Gunel
Louis M. Martini Room  Venous System Complications  Moderator: Michael Sughrue
Sutter Home Room  Operative Risk, Peri-operative Care  Moderator: Philip Theodosopoulos

12:30 pm- 1:30 pm  Member’s Business Meeting / Gold Medal Award Presentation
GENERAL INFORMATION

Advanced registration closes on August 5, 2014.

How to Enroll

Tuition:
- $600 Practicing Physicians
- $500 Allied Health Professionals / Residents / Fellows

* $100 rebate to those that also attend the UCSF Neurosurgery Update immediately prior to this conference. A rebate form will be available on-site.

Payment can be made by Visa, MasterCard, AmEx or check.

Register via:

Online: www.cme.ucsf.edu

Mail: Complete course registration form and send with payment to:
UCSF Office of CME
P.O. Box 45368
San Francisco, CA 94145-0368

Fax: Fax completed registration form to: (415) 502-1795 (be sure to include your credit card number.)

Phone: To register by phone or to inquire about registration status, please call UCSF’s CME Registration Office at (415) 476-5808.

Please check our website for up-to-date information on the course: www.cme.ucsf.edu

On-Site Registration: Generally we are able to accommodate on-site registration at our courses however pre-registration is preferred to ensure that we have adequate course materials.

REFUND POLICY

Cancellations received in writing before the first day of the course will be refunded, less a $75 administrative fee. No refunds will be made on cancellations received after that date.

CONFERENCE LOCATION

Silverado Resort and Spa is your gateway to the enchanting allures of Napa Valley. Tucked into the rolling hills of California’s world-famous Wine Country, the resort combines state-of-the-art business facilities with endless recreational possibilities.

A block of guestrooms has been reserved at the special UCSF conference rate of $229/night.

You are urged to make your reservations early. The cut-off date is July 11, 2014, or until the group room block is filled. After this date, rooms will be provided on a space-available basis only.

To make hotel reservations, please call 800-532-0500 and identify yourself as a member of this UCSF conference to receive the special rate. You can also reserve your hotel rooms on-line by visiting the course webpage on our website at www.cme.ucsf.edu. Please click on the More Info tab next to the course listing in the CME Calendar and you will find the reservations link in the Travel & Lodging section.

By staying at the host hotel, you help UCSF meet its contractual obligations and keep registration fees reasonable.

RENTAL CAR

Hertz is offering special rates for participants of this conference; simply call 800-654-2240 and refer to identification number # 038W0133, or call your travel agent. You may also make reservations at www.Hertz.com. Advance reservations are recommended.

AIR TRANSPORTATION

UCSF has negotiated special fares with American and United Airlines for our course attendees.

American www.aa.com code: 9684BN
United www.united.com Offer Code: ZQPP914327
9th Biennial International Meeting of Meningiomas and the Cerebral Venous System
Sunday-Tuesday – August 10-12, 2014
Silverado Resort • Napa, CA

Mail to: UCSF Office of CME
P.O. Box 45368
San Francisco, CA 94145-0368
Fax: (415) 502-1795

Online registration: www.cme.ucsf.edu
Registration Information: (415) 476-5808
Course Information: (415) 476-4251

☐ Dr. ☐ Mr. ☐ Mrs. ☐ Ms.

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Degree ____________________________ Specialty ____________________________

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Daytime Phone ___________________ Fax ____________________________

Email ____________________________

Address Label Code Letter (see address label: example, A, B, C, D, etc.) _____________

Would you like to be on our priority email list? ☐ Yes ☐ No

Date of birth to be used as OCME registrant number: ___ ___ / ___ ___ / X X

Please indicate if you have any special needs: __________________________________________

Registration Fees:

☐ $600 Physicians

☐ $500 Nurses/Pharmacist/Allied Health Professionals/Residents/Fellows

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Please check our website for up to date information on the course: www.cme.ucsf.edu

Silverado Resort
1600 Atlas Peak Road
Napa, CA 94558
(707) 257-0200
(707) 257-2867 fax
www.silveradoresort.com