RICHARD LENDE
WINTER
NEUROSURGERY
CONFERENCE

JANUARY 29TH – FEBRUARY 3rd, 2010
CLIFF LODGE
SNOWBIRD, UTAH
Richard Lende Winter Neurosurgery Conference originated during the winter of 1972-1973 when a small group of similarly motivated neurosurgeons met at the Alta Peruvian Lodge and at Snowbird, where papers and ideas were exchanged in an informal meeting. The meeting was obviously well received and plans were laid for future gatherings. The future was clouded however, by the injury of Dr. Richard Lende, then Chairman of Neurosurgery at Albany, who suffered a severe leg fracture requiring hospitalization at the University of Utah Medical Center. After a lengthy stay, he returned to Albany, where he tragically suffered cardiac arrest and expired while being anesthetized for a minor surgical wound revision.

The spirit and intent of the original meeting has been preserved for more than two decades. It is open to Neurosciences only, providing a forum for free exchange of ideas and presentation of innovations in neurological surgery and allied fields. This meeting of research and clinical applications in a relaxed setting has endured the test of time as a popular tribute to the memory of Dr. Richard Lende.

The Richard Lende Winter Neurosurgery Conference is jointly sponsored by the AANS.
DAVID L. KASDON

This and all Lende meetings since 1988 are dedicated to the memory of "Deel", whose untimely passing shocked all of us who were privileged to know and love him. The void, which we feel, cannot be filled, for he was so much a part of the vitality of this unique yearly gathering. His ability to enjoy life, to make work seem like play, is truly the spirit embodied in the Lende meeting.

PAST KASDON LECTURERS

1988  VINKO V. DOLENC, M.D., Ph.D.  2001  PETER W. CARMEL, M.D.
1989  BENNETT M. STEIN, M.D.  2002  JAMES T. RUTKA, M.D., Ph.D.
1990  JOHN M. JACOBS, M.D.  2003  STEVEN L. GIANNOTTA, M.D.
1992  MADJID SAMII, M.D.  2004  DAVID G. PIEPGRAS, M.D.
1993  RUDOLF FAHLBUSCH, M.D.  2005  EDWARD H. OLDFIELD, M.D.
1994  ROBERT F. SPETZLER, M.D.  2006  VOLKER K.H. SONNTAG, M.D.
1996  AXEL PERNECZKY, M.D.  2007  ROY A. PATCHELL, M.D.
1997  NICHOLAS de TRIBOLET, M.D.  2007  MICHAEL P. POWELL, M.D.
1998  BERNARD GEORGE, M.D.  2008  WARREN R. SELMAN, M.D.
1999  M. PETER HEILBRUN, M.D.  2009  MANFRED WESTPHAL, M.D.
2000  L. NELSON HOPKINS, M.D.

THE 2010 KASDON LECTURER

RONALD I. APFELBAUM, M.D.
ACCREDITATION/CONTINUING MEDICAL EDUCATION

This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the AANS and the Richard Lende Winter Neurosurgery Conference. The AANS is accredited by the ACCME to sponsor continuing medical education for physicians.

The AANS designates this educational activity for a maximum of 21.5 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

JOINT SPONSORSHIP DISCLAIMER

The material presented at the 36th Annual Meeting in 2010 has been made available by the Richard Lende Winter Neurosurgery Conference and the AANS for educational purposes only. The material is not intended to represent the only, nor necessarily the best, method or procedure appropriate for the medical situations discussed, but rather it is intended to present an approach, view, statement, or opinion of the faculty, which may be helpful to others who face similar situations.

All drugs and medical devices used in the United States are administered in accordance with the Food and Drug Administration (FDA) regulations. These regulations vary depending on the risks associated with the drug or medical devices compared to products already on the market, and the quality and scope of the clinical data available.

Some drugs and medical devices demonstrated or described on the print publications of the Richard Lende Winter Neurosurgery Conference, and jointly sponsored by the AANS have FDA clearance for use for specific purposes or for use only in restricted research settings. The FDA has stated that it is the responsibility of the physician to determine the FDA status of each drug or device he or she wishes to use in compliance with the applicable law.

Neither the content (whether written or oral) of any course, seminar or other presentation in the program, nor the use of specific product in conjunction therewith, nor the exhibition of any materials by any parties coincident with the program, should be construed as indicating endorsement or approval of the views presented, the products used, or the materials exhibited by the Richard Lende Winter Neurosurgery Conference and jointly sponsored by the AANS, or its Committees, Commissions, or Affiliates.
2010 ANNUAL MEETING LEARNING OBJECTIVES

Upon completion of this CME activity, participants should be able to:

1. Explain spinal biomechanics and how it applies to clinical practice.
2. Discuss the latest developments in brain tumor biology.
3. Discuss recent clinical trials and research concerning patients with epilepsy, movement disorders and spasticity.

Future Meeting Dates

January 28th- February 2nd, 2011
Disclosure Information

The AANS controls the content and production of this CME activity and attempts to ensure the presentation of balanced, objective information. In accordance with the Standards for Commercial Support established by the Accreditation Council for Continuing Medical Education (ACCME), speakers, paper presenters/authors and staff (and the significant others of those mentioned) are asked to disclose any relationship they or their co-authors have with commercial interests which may be related to the content of their lecture. The ACCME defines “relevant financial relationships” as financial relationships in any amount occurring within the past 12 months that create a conflict of interest.

Speakers, paper presenters/authors and staff (and the significant others of those mentioned) who have disclosed a relationship* with commercial interests whose products may have a relevance to their presentation are listed below.

<table>
<thead>
<tr>
<th>Name</th>
<th>Disclosure</th>
<th>Type of relationship</th>
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<tbody>
<tr>
<td>Ronald I. Apfelbaum</td>
<td>Aesculp, Integra, Medtronic, Synthes, Depuy</td>
<td>Consultant, Stock Shareholder, Other</td>
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<td>Financial or Material Support</td>
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<tr>
<td>Adam Arthur</td>
<td>Microventin, Cordis, Inc</td>
<td>Honorarium</td>
</tr>
<tr>
<td>Andrew Dailey</td>
<td>Amedica, Stryker, Biomet</td>
<td>Other Financial Support, Grants, Consultant</td>
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<td>Johnson &amp; Johnson</td>
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*Relationship refers to receipt of royalties, consultantship, funding by research grant, receiving honoraria for educational services elsewhere, or any other relationship to a commercial interest that provides sufficient reason for disclosure.

Speakers, paper presenters/authors and staff (and the significant others of those mentioned) who have reported they do not have any relationships with commercial interests:

Mandy Binning
Frank Bishop
Christian Bowers
Taryn Bragg
Douglas Brockmeyer
Andrew Carlson
Peter Carmel
Bradley Duhon
Ramin Eskandari
Fabian Fahlbusch
Rudolf Fahlbusch
Daniel Fults
Sarah Garber
David Gillespie
Wayne Gluf
Randy Jensen
Christopher Kellner
Paul Klimo
Janet Lee
James Liu
Michael Mumert
David Newell
Toba Niazi
T.C. Origitano
David Piepgras
Vikram Prabhu
Brian Ragel
Ganesh Rao
Jose Carlos Sauri
Tina Sayama
Richard Schmidt
Kris Smith
Adam Sonabend
Philipp Taussky
Michael Taylor
Philip Weinstein
Dick Zeilstra

2010 ANNUAL MEETING EXHIBITORS

Aesculap, Inc
Aesculap Implant Systems, LLC.
Anspach Companies
Biomet Microfixation
Globus Medical
KLS Martin, L.P.
Lanx, Inc
Leica Microsystems
Medtronic Navigation/Medtronic Spine and Biologics
Medtronic Surgical Technologies
Monteris Medical
Novus Surgical, Inc.
NuVasive
OmniGuide, Inc.
Porex, Inc.
Stryker
Stryker NSE
Synthes CMF
# SOCIAL PROGRAM

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td><strong>FRIDAY</strong></td>
<td>7:00 pm - 8:30 pm</td>
<td>Opening Family Reception, Ballroom I, Level B</td>
<td>Ballroom I, Level B/Cliff</td>
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<tr>
<td>January 29th</td>
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<tr>
<td><strong>SATURDAY</strong></td>
<td>12:30 pm - 2:00 pm</td>
<td>Family Ski Lunch in Golden Cliff, Level B</td>
<td>Golden Cliff, Level B/Cliff</td>
</tr>
<tr>
<td>January 30th</td>
<td>6:30 pm - 7:30 pm</td>
<td>Family Presentation, Ballroom I</td>
<td>Ballroom I, Level B/Cliff</td>
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<tr>
<td></td>
<td>7:30 pm - 9:00 pm</td>
<td>Family Dinner Buffet in Golden Cliff, Level B</td>
<td>Golden Cliff, Level B/Cliff (Tickets Required for Buffet)</td>
</tr>
<tr>
<td><strong>SUNDAY</strong></td>
<td>9:00 am</td>
<td>Physician’s Group Photo</td>
<td>Ballroom I, Level B/Cliff</td>
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<td>January 31st</td>
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<tr>
<td><strong>MONDAY</strong></td>
<td>12:30 pm - 2:00 pm</td>
<td>Family Ski Lunch in Golden Cliff, Level B</td>
<td>Golden Cliff, Level B/Cliff</td>
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<td>February 1st</td>
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<tr>
<td><strong>TUESDAY</strong></td>
<td>12:30 pm - 2:00 pm</td>
<td>Family Ski Lunch in Golden Cliff, Level B</td>
<td>Golden Cliff, Level B/Cliff</td>
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<tr>
<td>February 2nd</td>
<td>7:00 pm - 8:30 pm</td>
<td>Closing Family Reception, Atrium, Level B</td>
<td>Atrium, Level B/Cliff</td>
</tr>
<tr>
<td><strong>WEDNESDAY</strong></td>
<td>7:45 am</td>
<td>First Tram Adventure, meet at Tram Center</td>
<td>Tram on Plaza</td>
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<tr>
<td>February 3rd</td>
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**Locations for Events:**

- Participant Breakfast: Saturday - Tuesday: Ballroom II, Level B/Cliff
  
- Lende Meeting: Wednesday - Ballroom I, Level B/Cliff
  - Saturday starts 9:00 am
  - Other days starts at 8:00 am

- Opening Family Reception: Ballroom I, Level B/Cliff

- Family Ski Lunches: Golden Cliff, Level B/Cliff

- Family Presentation: Ballroom I, Level B/Cliff

- Family Buffet Dinner: Golden Cliff, Level B/Cliff (Tickets required)

- Exhibitors: Ballroom II, Level B/Cliff

- Closing Family Reception: Atrium, Level B/Cliff

- First Tram Adventure: Tram on Plaza
SATURDAY MORNING JANUARY 30th, 2010

SPINE

9:00-9:15 am  Supra- and Infratentorial Hemorrhages after Spinal Surgery: Case Report and Review of the Literature.
CHRISTIAN BOWERS, M.D., Salt Lake City, UT
Christian Bowers, Philipp Taussky, Bradley Duhon, Meic Schmidt

9:15-9:25 am  Discussion

TARYN BRAGG, M.D., Salt Lake City, UT
Taryn Bragg, Douglas Brockmeyer

9:40-9:50 am  Discussion

9:50-10:05 am  Intraspinal Extradural Meningeal Cysts: Perspectives on Clinical Features, Diagnosis, and Management from a Limited Personal Experience.
DAVID G. PIEPGRAS, M.D., Rochester, MN
David G. Piepgras, Bret G. Ball, Neeraj Kumar, Patrick H. Luetmer

10:05-10:15 am  Discussion

10:15-10:35 am  Cervical Neuropraxia from Spine Trauma Study Group.
ANDREW T. DAILEY, M.D., Salt Lake City, UT
Andrew T. Dailey, M.D.

10:35-10:45 am  Discussion

WAYNE M. GLUF, M.D., San Diego, CA
Luis M. Tumialan, Ryan Ponton, Wayne M. Gluf

11:00-11:10 am  Discussion

11:10-11:25 am  Adult Tethered Cord.
PHILIP R. WEINSTEIN, M.D., San Francisco, CA
Philip R. Weinstein

11:25-11:35 am  Discussion

11:35 am  Adjourn
SATURDAY AFTERNOON, JANUARY 30th, 2010

SPINE

4:00-4:30 pm  **KASDON LECTURER**
Spine Surgery Myths and Misconceptions: Do we Really Know What we Think we Know?
RONALD I. APFELBAUM, M.D., Salt Lake City, UT
Ronald I. Apfelbaum

4:30-4:40 pm  Discussion

J. PATRICK JOHNSON, M.D., Los Angeles, CA
J. Patrick Johnson

5:10-5:20 pm  Discussion

5:20-5:50 pm  The Use of Intraoperative O-arm as an Aid for Spinal Instrumentation.
SARAH GARBER, M.D., Salt Lake City, UT
Sarah Garber, Erica Bisson, Meic Schmidt, Andrew Dailey

5:50-6:00 pm  Discussion

6:00 pm  Adjourn
SUNDAY MORNING, JANUARY 31ST, 2010

SPINE/PERIPHERAL NERVE

8:00-8:20 am  Isolated Intramedullary Neurosarcoid of the Thoracic Spine: Case Report and Review of the Literature.
BRAD DUHON, M.D., Salt Lake City, UT
Brad Duhon, Meic Schmidt, Lubdha Shah

8:20-8:30 am  Discussion

8:30-8:50 am  Surgical Nuances for Removal of Retrochiasmal Craniopharyngiomas Using the Transbasal Subfrontal Trans-Lamina Terminalis Approach.
JAMES K. LIU, M.D.
James Liu

8:50-9:00 am  Discussion

9:00-9:25 am  Dynamic Stabilization Devices.
JOSÉ-CARLOS SAURI-BARRAZA, M.D., Salt Lake City, UT
José-Carlos Sauri-Barraza

9:25-9:35 am  Discussion

9:35-9:55 am  Transaxial Fixation of the Lumbosacral Segment. Results with One and Two Years Follow-Up.
DICK ZEILSTRA, M.D., Zwolle, The Netherlands
Dick Zeilstra

9:55-10:05 am  Discussion

10:05-10:25 am  Ultrasound-Guided, Percutaneous Peripheral Nerve Stimulation: A Technical Note.
CHRISTOPHER KELLNER, M.D., New York, NY
Christopher Kellner, Adam Sonabend, Ricardo Komotar, Gaetan Moise, Christopher Winfree

10:25-10:35 am  Discussion

10:35 am  Adjourn
SUNDAY AFTERNOON, JANUARY 31ST, 2010

TUMOR

4:00-4:15 pm  Surgical Management of Giant Craniopharyngiomas in Children.  
               FABIAN FAHLBUSCH, M.D., Erlangen-Nürnberg, Germany  
               Fabian Fahlbusch, H.G. Dörr, Rudolf Fahlbusch

4:15-4:25 pm  Discussion

4:25-4:40 pm  Intraoperative Visualization of Cerebral Gliomas: Significance of  
               Functional Navigation and Intraoperative MRI.  
               RUDOLF FAHLBUSCH, M.D., Hannover, Germany  
               Rudolf Fahlbusch

4:40-4:50 pm  Discussion

4:50-5:05 pm  Parafalcine Lesions in the Cancer patient: Diagnostic Dilemma  
               Meningioma or Metastatic Lesion.  
               MICHAEL MUMERT, M.D., Salt Lake City, UT  
               Michael Mumert, Elizabeth Jensen, Randy Jensen

5:05-5:15 pm  Discussion

5:15-5:30 pm  PDGF+PTEN-/-p53-/- Murine Glioma Model: Monitoring of Tumor-  
               Growth and Response to Therapy by Bioluminescence.  
               ADAM M. SONABEND, M.D., New York, NY  
               Adam M. Sonabend, Liang Lei, Craig Soderquist, Jonathan Yun, Juila  
               Sisti, Gaetan Moise, Rick Komotar, Jeffrey Bruce, Peter Canoll

5:30-5:40 pm  Discussion

5:40-5:55 pm  The Incidence of C2-C3 Annular Ossification after Odontoid Screw  
               Fixation. CHRISTINA SAYAMA, M.D., Salt Lake City, UT Christina  
               Sayama, Daniel Fassett, Ronald Apfelbaum

5:55-6:05 pm  Discussion

6:05-6:20 pm  Papillary Breast Cancer Mimicking Intracranial Ependymoma.  
               TOBA N. NIAZI, M.D., Salt Lake City, UT  
               Toba Niazi, Daniel Fults

6:20-6:30 pm  Discussion

6:30 pm  Adjourn
MONDAY MORNING, FEBRUARY 1ST, 2010

TUMOR

8:00-8:15 am  Medulloblastoma Comprises Four Diseases.
MICHAEL TAYLOR, M.D., Toronto, Ontario, Canada
Paul Northcott, Andrey Korshunov, Hendrik Witt, Thomas Heilscher,
Charles Eberhart, Stephen Mack, Eric Bouffet, Steven Clifford, Cynthia
Hawkins, Pim French, James Rutka, Stefan Pfister, Michael Taylor

8:15-8:20 am  Discussion

8:20-8:35 am  Management of Unknown Primary Cancers Metastatic to the Spine.
GANESH RAO, M.D., Houston, TX
Ganesh Rao, Benjamin Fox, Michele Aizenberg, Dima Suki,
Laurence Rhines

8:35-8:45 am  Discussion

8:45-9:00 am  Intracranial siRNA Delivery.
DAVID GILLESPIE, PH.D., Salt Lake City, UT
David Gillespie, Randy Jensen

9:00-9:05 am  Discussion

9:05-9:20 am  Overall and Progression-Free Survival and Visual and Endocrine
Outcomes for Lesions Treated with Intensity-Modulated Stereotactic
Radiosurgery.
RANDY L. JENSEN, M.D., PH.D., Salt Lake City, UT
Randy Jensen, Peter Jensen, Annabelle Shrieve, Lisa Hazard,
Dennis Shrieve

9:20-9:30 am  Discussion

9:30-9:45 am  Update on the Management of Pineal Region Tumors.
VIKRAM PRABHU, M.D., Maywood, IL
Howard Reichman, Vikram Prabhu

9:45-9:50 am  Discussion

9:50-10:05 am  Radiosurgery for Brain Metastases after Surgical Resection.
KRIS SMITH, M.D., Phoenix, AZ
Kris Smith

10:05-10:10 am  Discussion

10:10-10:25 am  Association of Hypoxia-Related Biochemical Markers with Histological,
Clinical, and Radiographic Characteristics of Meningiomas.
MONDAY AFTERNOON, FEBRUARY 1ST, 2010

VASCULAR NEUROSURGERY

4:00-4:15 pm  The Difficult Diagnosis and Definition of Meningitis after Aneurysmal Subarachnoid Hemorrhage.
ANDREW P. CARLSON, M.D., Albuquerque, NM
Andrew Carlson, Howard Yonas, Isaac Tawil

4:15-4:25 pm  Discussion

DAVID W. NEWELL, M.D., Seattle, WA
David Newell, Moshin Shah, Robert Wilcox, Doug Hansmann, Dan Hanley

4:40-4:50 pm  Discussion

4:50:50 pm  Evolving Treatment Options for Giant Cerebral Aneurysms.
ADAM S. ARTHUR, M.D., MPH, Memphis, TN
Arthur AS, Afshani M

5:05-5:15 pm  Discussion

5:15-5:30 pm  Xenon/CT CBF at 28% Xenon Provides Safe Access to Quantitative, Clinically Useful CBF Information: A Multicenter Study.
ANDREW P. CARLSON, M.D., Albuquerque, NM
Andrew Carlson, Alice Brown, Eric Zagerm, Ken Uchino, Michael Marks, Claudia Robertson, Grant Sinson, Anthony Marmarou, Howard Yonas

5:30-5:40 pm  Discussion

MANDY BINNING, M.D., Buffalo, NY
Mandy Binning, Adnan Siddiqui, LN Hopkins and Elad Levy

5:55-6:05 pm  Discussion

6:20-6:30 pm  Discussion

6:30 pm  Adjourn
**TUESDAY MORNING, FEBRUARY 2\textsuperscript{nd}, 2010**

**GENERAL NEUROSURGERY**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>8:00-8:15 am</td>
<td>Novel Strategies for Treatment and Repair of Bone Flap and Cranioplasty Infections.</td>
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<td>FRANK S. BISHOP, M.D., Salt Lake City, UT</td>
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<td>Frank Bishop, Randy Jensen, Richard Schmidt</td>
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<td>8:15-8:25 am</td>
<td>Discussion</td>
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<td>8:25-8:40 am</td>
<td>A Compensation Model for Academic Neurosurgical Surgery Departments.</td>
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<td>T.C. ORIGITANO, M.D., PH.D., Maywood, IL</td>
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<td>T.C. Origitano, Amy Heara</td>
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<tr>
<td>8:40-8:50 am</td>
<td>Discussion</td>
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<td>8:50-9:05 am</td>
<td>Rudolf Nissen and the Age of Surgical Science in Middle Europe.</td>
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<td>DANIEL W. FULTS, M.D.</td>
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<td>Daniel Fults, Philipp Taussky</td>
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<tr>
<td>9:05-9:15 am</td>
<td>Discussion</td>
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<td>PETER CARMEL, M.D., Newark, NJ</td>
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<td>Peter Carmel</td>
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<tr>
<td>9:30-9:40 am</td>
<td>Discussion</td>
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<tr>
<td>9:40-9:55 am</td>
<td>Endoscopic Management of Decompensated Aqueductal Stenosis Causing Hydrocephalus in Adults.</td>
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<td>RICHARD H. SCHMIDT, M.D., Salt Lake City, UT</td>
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<td>Richard Schmidt</td>
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<tr>
<td>9:55-10:05 am</td>
<td>Discussion</td>
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<tr>
<td>10:05-10:20 am</td>
<td>Acquisition of Surgical Expertise and Analysis of Expert Performance in Surgery: An Overview of Relating Factors.</td>
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<td>PHILIPPP TAUSSKY, M.D., Salt Lake City, UT</td>
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<td>Philipp Taussky</td>
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<tr>
<td>10:20-10:30 am</td>
<td>Discussion</td>
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<tr>
<td>10:30 am</td>
<td>Adjourn</td>
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</tbody>
</table>
TUESDAY AFTERNOON, FEBRUARY 2nd, 2010

TRAUMA

4:00-4:20 pm  Neurosurgery in Afghanistan During “Operation Enduring Freedom”: A 24-Month Experience.
BRIAN T. RAGEL, M.D., Portland, OR
Brian Ragel, Paul Klimo, Robert Kowalski, Randall McCafferty, Jeannette Liu, Derek Taggard, David Garrett

4:20-4:30 pm  Discussion

4:30-4:50 pm  Should we Operate on Patients Older than 65 years for Acute Traumatic Subdural Hematoma?
PHILIPP TAUSSKY, M.D., Salt Lake City, UT
Philipp Taussky

4:50-5:00 pm  Discussion

5:00-5:20 pm  Fractures of the Thoracolumbar Spine Sustained by Soldiers in Vehicles Attacked by Improvised Explosive Devices (IED).
BRIAN T. RAGEL, M.D., Portland, OR
Brian Ragel, Dain Allred, Sid Brevard, Edmund Frank

5:20-5:30 pm  Discussion

5:30-5:50 pm  Efficacy of Repeated 14.6% Saline Boluses in L Intracranial Pressure and Improving Cerebral Perfusion.
RAMIN ESKANDARI, M.D, Salt Lake City, UT
Ramin Eskandari, Elaine Skalabrin

5:50-6:00 pm  Discussion

6:00-6:20 pm  Wartime Decompressive Craniectomy: Techniques and Lessons Learned.
BRIAN T. RAGEL, M.D., Portland, OR
Brian Ragel, Paul Klimo

6:20-6:30 pm  Discussion

6:30 pm  Adjourn
WEDNESDAY MORNING, FEBRUARY 3rd, 2010

PEDIATRIC NEUROSURGERY

8:00-9:00 am    **FIRST TRAX – no CME**

9:00-9:30 am    The Pediatric Cervical Spine Instability Study.
                DOUGLAS L. BROCKMEYER, M.D., Salt Lake City, UT
                Douglas Brockmeyer

9:30-9:40 am    Discussion

9:40-10:10 am   Pediatric Experience in Afghanistan.
                PAUL KLIMO, M.D., Wright-Patterson Air Force Base, OH
                Paul Klimo

10:10-10:20 am  Discussion

10:20-10:50 am  Fourth Ventricular Shunt Survival Comparing Stereotactic Transtentorial
                and Suboccipital Approaches.
                FRANK S. BISHOP, M.D., Salt Lake City, UT
                Frank Bishop, Mandy Binning, Nicholas Wetjen, Daniel Couture,
                Douglas Brockmeyer

10:50-11:00 am  Discussion

11:00 am    Business Meeting

11:30 am    Meeting Adjourn