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<td>Presidents Address: William A. Zamboni, MD</td>
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Steven McCabe, MD
Dean Sotereanos, MD
James Chang, MD
Christine Novak, PT, MS, PhD(c)

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Julianne Howell, PT MS CHT
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Susan Michlovitz, PT, PhD, CHT
Rebecca von der Heyde, MS, OTR/L, CHT
Maureen Hardy, PT MS CHT
Miguel A. Pirela-Cruz, MD
AAHS Historical Information

AAHS Past Presidents

J. Joseph Danyo, MD 1970-1972
Henry Burns, MD 1972-1973
Ray A. Elliott, Jr., MD 1973-1974
James Borden, MD 1974-1975
Kim K. Lie, MD 1975-1976
Frank L. Thorne, MD 1976-1977
Lawrence R. Werschky, MD 1977-1978 deceased
Robert T. Love, MD 1978-1979
Arnis Freiberg, MD 1979-1980
Thomas J. Krizek, MD 1980-1981
George L. Lucas, MD 1981-1982
Garry S. Brody, MD 1982-1983
James G. Hoehn, MD 1983-1984
Peter C. Linton, MD 1984-1985
Wallace H.J. Chang, MD 1985-1986
Austin D. Potenza, MD 1986-1987
Lee E. Edstrom, MD 1987-1988
C. Lin Puckett, MD 1988-1989
Robert J. Demuth, MD 1989-1990
Wyndell H. Merritt, MD 1990-1991
Frederick R. Heckler, MD 1991-1992
Robert D. Beckenbaugh, MD 1992-1993
David J. Smith, Jr., MD 1993-1995
James W. May, Jr., MD 1995-1996
Robert H. Brumfield, Jr., MD 1996-1997
Robert C. Russell, MD 1997-1998
Peter C. Amadio, MD 1998-1999
William M. Swartz, MD 1999-2000
William Blair, MD 2000-2001
Robert Buchanan, MD 2001-2002
Alan Freeland, MD 2002-2003
Allen Van Beek, MD 2003-2004
Richard Berger, MD 2004-2005
Susan Mackinnon, MD 2005-2006
Ronald Palmer, MD 2006-2007
N. Bradley Meland, MD 2007-2008
Scott H. Kozin, MD 2008-2009

Presidential Invited Lecturers

Harold E. Kleinert, MD 1989
Arthur C. Rettig, MD 1990
Paul W. Brand, MD 1991
Ronald L. Linschied, MD 1993
Guy Foucher, MD 1995
Michael R. Harrison, MD 1996
Dallas D. Raines 1997
John Texter, MD 1998
Vincent R. Rentz, MD 1999
Nancy Dickey, MD 2000
Michael Wood, MD 2001
Francisco Rosas 2002
Arnold-Peter Weiss, MD 2003
Susan Mackinnon, MD 2004
Elvin Zook, MD 2004
Gavin Menzies 2005
Peter Amadio, MD 2006
Robert Beckenbaugh, MD 2007
Allen Van Beek, MD 2008
Louis L. Carter, Jr, MD, FACS 2009

Keynote Speakers

William L. White, MD 1978
John W. Madden, MD 1979
Harold E. Kleinert, MD 1980
J. William Littler, MD 1981
Clifford C. Snyder, MD 1982
Robert A. Chase, MD 1983
Richard J. Smith, MD 1984
James M. Hunter, MD 1985
Bernard McC. O’Brien, MD 1986
Erle E. Peacock, Jr., MD 1988
Michael Jabelay, MD 1989
Robert M. McFarlane, MD 1990
James H. Dobyns, MD 1991
Adrian E. Flatt, MD 1992
John B. Carlson, PhD 1993
Pat Clyne 1995
David M. Evans, FRCS 1996
Eugene Nelson, MD 1997
Fritz Klein 1998
Janet L. Babb 1999
Frank E. Jones, MD 2000
Joseph Buckwalter, MD 2001
Linda Cendales, MD 2002
Arnold-Peter Weiss, MD 2003
Terry L. Whipple, MD, FACS 2005
Jeff Lictman, MD, PhD 2006
Richard Kogan, MD 2007
Ramez Naam 2008
Daniel Gottlieb, PhD 2009

Clinician/Teacher of the Year

Forst Brown, MD 1995
Robert Beckenbaugh, MD 1996
James Hoehn, MD 1997
Alan Freeland, MD 1998
Wyndell Merritt, MD 1999
Peter Amadio, MD 2000
Anthony DeSantolo, MD 2002
Michael Jabley, MD 2002
Maureen Hardy, PT, MS, CHT 2002
Sterling Mutz, MD 2002
Sue Michlovitz, PT, PhD, CHT 2003
Richard E. Brown, MD 2003
Nash Naam, MD 2004
Miguel Saldana, MD 2007
Hand Surgery Endowment
2009 Contributor List

Alejandro Badia, MD
Randip Bindra, MD, FRCS
William Boss, MD
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Robert Buckley, MD
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Lynn Festa, OTR, CHT
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Gregory Hill, MD
Barney Horvath, MD
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Raymond Janevicius, MD
Loree Kalliainen, MD
J. Daniel Labs, MD
Donald Lalonde, MD
W. P. Andrew, LeeMD
Sheila Lindley, MD
Donald Luebke, MD
Howard Matsuba, MD
Kevin Mayfield, MD
Hiram Morgan, MD
Keith Morrison, MD
Toshiyasu Nakamura, MD
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A. Lee Osterman, MD, FACS
Srdjan Ostric, MD
Julian Pribaz, MD
Lorna Ramos, MD
Deborah Schwartz, OTR/L, CHT
Anthony Smith, MD
Cary Tanner, MD
Thomas Trumble, MD
Marwan Wehbe, MD
Michael White, MD
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President-Elect
Vice President
Secretary
Treasurer
Immediate Past President
Past President
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Paul S. Cederna, MD
Ivica Ducic, MD, PhD
Allan J. Belzberg, MD
Robert Spinner, MD
Robert C. Russell, MD
Gregory R.D. Evans, MD, FACS
Thomas H. H. Tung, MD

Council Member at Large

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Renata V. Weber, MD
Jonathan M. Winograd, MD
Please join us in thanking the following ASPN committees who have helped make the 2009 year successful.

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Gedge D. Rosson, MD  
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Gedge D. Rosson, MD

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Ivica Ducic, MD, PhD  
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Jonathan M. Winograd, MD  
Howard M. Clarke, MD, PhD

**Newsletter Committee**
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Randip R. Bindra, MD, FRCS  
A. Lee Dellon, MD  
Michael W. Neumeister, MD  
Howard M. Clarke, MD, PhD

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Allan J. Belzberg, MD  
Michael W. Neumeister, MD  
Christine Novak, PT, MS  
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Nash H. Naam, MD  
Robert C. Russell, MD  
Robert Spinner, MD  
Thomas H.H. Tung, MD  
Renata V. Weber, MD  
Jonathan M. Winograd, MD
ASPN HISTORICAL INFORMATION

Founding Council
(Established April 19, 1990)
Warren Breidenbach, MD
Thomas Brushart, MD
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Michael Orgel, MD
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Saleh Shenaq, MD
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Allen Van Beek, MD
Bruce Williams, MD

ASPN Past Presidents
Julia K. Terzis, MD, PhD 1990-1992
A. Lee Dellon, MD 1992-1993
Berish Strauch, MD 1993-1994
H. Bruce Williams, MD 1994-1995
Susan E. Mackinnon, MD 1995-1996
Wyndell Merritt, MD 1996-1997
Allen Van Beek, MD 1997-1998
Saleh Shenaq, MD 1998-1999
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Nancy H. McKee, MD 2001-2002
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Rajiv Midha, MD 2006-2007
Gregory R. D. Evans, MD FACS 2007-2008
Robert C. Russell, MD 2008-2009
## 2009 - 2010 American Society for Reconstructive Microsurgery
### Executive Council Members

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<tr>
<td>President</td>
<td>William A. Zamboni, MD</td>
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<td>President-Elect</td>
<td>Peter C. Neligan, MD</td>
</tr>
<tr>
<td>Vice-President</td>
<td>Keith E. Brandt, MD</td>
</tr>
<tr>
<td>Secretary</td>
<td>Gregory R.D. Evans, MD, FACS</td>
</tr>
<tr>
<td>Treasurer</td>
<td>Joseph M. Serletti, MD, FACS</td>
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<tr>
<td>Treasurer-Elect</td>
<td>Allen T. Bishop, MD</td>
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<tr>
<td>Immediate Past President</td>
<td>Neil F. Jones, MD</td>
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<tr>
<td>Senior Members-At-Large</td>
<td>Elisabeth K. Beahm, MD</td>
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<td>Michael R. Zenn, MD</td>
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<tr>
<td>Junior Members-At-Large</td>
<td>Michael Klebuc, MD</td>
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<td>Eduardo Rodriguez, DDS, MD</td>
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<td>Historian</td>
<td>David Chang, MD</td>
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</tbody>
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Please join us in thanking the following ASRM committees who have helped make the 2009 year successful.

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Michael Neumeister, MD
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Peirong Yu, MD

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L. Scott Levin, MD, FACS

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Lawrence B. Colen, MD
### 1983 Founding Council

<table>
<thead>
<tr>
<th>Year</th>
<th>President</th>
<th>Annual Meeting Site</th>
<th>Founders/Godina Lecturers</th>
</tr>
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<tr>
<td>1985</td>
<td>Berish Strauch, MD</td>
<td>Las Vegas, NV</td>
<td>Harry J. Buncke, MD; Founders' Lecturer</td>
</tr>
<tr>
<td>1986</td>
<td>James R. Urbaniak, MD</td>
<td>New Orleans, LA</td>
<td>Harold E. Kleinert, MD; Founders' Lecturer</td>
</tr>
<tr>
<td>1987</td>
<td>Joseph E. Kutz, MD</td>
<td>San Antonio, TX</td>
<td>Robert D. Acland, MD; Founders' Lecturer</td>
</tr>
<tr>
<td>1988</td>
<td>H. Bruce Williams, MD</td>
<td>Baltimore, MD</td>
<td>Berish Strauch, MD; Founders' Lecturer</td>
</tr>
<tr>
<td>1989</td>
<td>James B. Steichen, MD</td>
<td>Seattle, WA</td>
<td>G. Ian Taylor, FRCS, FRACS; Founders' Lecturer</td>
</tr>
<tr>
<td>1990</td>
<td>Allen L. Van Beek, MD</td>
<td>Toronto, Ontario, Canada</td>
<td>Andrew Lightbody, MD; Founders' Lecturer</td>
</tr>
<tr>
<td>1991</td>
<td>Michael B. Wood, MD</td>
<td>Orlando, FL</td>
<td>Alain Gilbert, MD; Founders' Lecturer</td>
</tr>
<tr>
<td>1992</td>
<td>Andrew J. Weiland, MD</td>
<td>Scottsdale, AZ</td>
<td>Edgar Biemer, MD; Founders' Lecturer</td>
</tr>
<tr>
<td>1993</td>
<td>Graham Lister, MD</td>
<td>Kansas City, MO</td>
<td>Algimantas Narakas, MD; Founders' Lecturer</td>
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<td>Lawrence B. Colen, MD; Godina Lecturer</td>
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<tr>
<td>1994-95</td>
<td>Robert C. Russell, MD</td>
<td>Marco Island, FL</td>
<td>Nguyen Huy Phan, MD; Founders' Lecturer</td>
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<td>Mark A. Schusterman, MD; Godina Lecturer</td>
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<tr>
<td>1995-96</td>
<td>Ralph T. Manktelow, MD</td>
<td>Tucson, AZ</td>
<td>Fu Chan Wei, MD; Founders' Lecturer</td>
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<td>Randy Sherman, MD; Godina Lecturer</td>
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<tr>
<td>1996-97</td>
<td>James A. Nunley, MD</td>
<td>Boca Raton, FL</td>
<td>James R. Urbaniak, MD; Founders' Lecturer</td>
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<td>Zoran M. Arnez, MD; Godina Lecturer</td>
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<tr>
<td>1997-98</td>
<td>William M. Swartz, MD</td>
<td>Scottsdale, AZ</td>
<td>H. Bruce Williams, MD; Founders' Lecturer</td>
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<td>L. Scott Levin, MD; Godina Lecturer</td>
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<tr>
<td>1998-99</td>
<td>David T. W. Chiu, MD</td>
<td>Waikoloa, HI</td>
<td>Julia K. Terzis, MD, PhD; Founders' Lecturer</td>
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<td>Phillip Blondeel, MD; Godina Lecturer</td>
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<tr>
<td>1999-2000</td>
<td>Daniel Nagle, MD</td>
<td>Miami, FL</td>
<td>Allen Van Beek, MD; Founders' Lecturer</td>
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<td>Gregory R. D. Evans, MD; Godina Lecturer</td>
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<td>2000-2001</td>
<td>Saleh M. Shenaq, MD</td>
<td>San Diego, CA</td>
<td>Wayne Morrison, MD, FRACS; Founders' Lecturer</td>
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<td>Roger Khouri, MD; Godina Lecturer</td>
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<tr>
<td>2001-2002</td>
<td>Randy Sherman, MD</td>
<td>Cancun, Mexico</td>
<td>Robert Russell, MD; Founders' Lecturer</td>
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<td>William Zamboni, MD; Godina Lecturer</td>
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<tr>
<td>2002-2003</td>
<td>Julia K. Terzis, MD, PhD</td>
<td>Kauai, HI</td>
<td>Panayotis Soucacos, MD; Founders' Lecturer</td>
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<td>Raymond Dunn, MD; Godina Lecturer</td>
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<td>2003-2004</td>
<td>Ronald M. Zuker, MD</td>
<td>Palm Springs, CA</td>
<td>Ralph Manktelow, MD; Founders' Lecturer</td>
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<td>Milomir Ninkovic, MD, PhD; Godina Lecturer</td>
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<td>2004-2005</td>
<td>Robert L. Walton, MD, FACS</td>
<td>Fajardo, Puerto Rico</td>
<td>Isao Koshima, MD; Founders' Lecturer</td>
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<td>Michael Neumeister, MD, FRSCSC, FACS; Godina Lecturer</td>
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<td>G. Ian Taylor, MD, FACS; Buncke Lecture</td>
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<tr>
<td>2005-2006</td>
<td>William C. Pederson, MD</td>
<td>Tucson, AZ</td>
<td>David Chang, MD, FACS; Godina Lecturer</td>
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<td>Fu Chan Wei, MD, FACS; Buncke Lecture</td>
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<tr>
<td>2006-2007</td>
<td>L. Scott Levin, MD, FACS</td>
<td>Rio Grande, Puerto Rico</td>
<td>Ming Huei Cheng, MD, MHA; Godina Lecturer</td>
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<td>James Urbaniak, MD; Buncke Lecture</td>
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<tr>
<td>2007-2008</td>
<td>Lawrence B. Colen, MD</td>
<td>Beverly Hills, CA</td>
<td>Peirong Yu, MD; Godina Lecturer</td>
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<td>Berish Strauch, MD; Buncke Lecture</td>
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<tr>
<td>2008-2009</td>
<td>Neil F. Jones, MD</td>
<td>Maui, HI</td>
<td>Michael Sauerbier, MD; Godina Lecturer</td>
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<td>Ralph Manktelow, MD; Buncke Lecture</td>
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**Messages from the Program Chairs**

**AAHS**

American Association for Hand Surgery

On behalf of the Program Committee of the American Association for Hand Surgery (AAHS), it is my pleasure to welcome you to the 2010 Annual Meeting at the wonderful Boca Raton Resort and Club in Florida. This beautiful facility with its meandering beachfront provides a relaxing and friendly venue for a meeting. The President of this meeting, Nicholas B. Vedder, MD, FACS, and the Program Committee have worked diligently to ensure that the educational content is first rate to comprehensively cover all the components of hand surgery. In addition, we have added new programs on practice management topics that are even more relevant in today’s economic climate.

The Specialty Day will be co-chaired by Gretchen Kaiser, OTD, OTR/L, MBA, CHT who worked diligently on structuring an exciting series of symposia. The distinguished panels will be chaired by (1) Peter Amadio, MD, on flexor tendon surgery, (2) James Chang, MD, on medical-legal issues, and by (3) Michael Neumeister, MD, on CMC arthritis. In addition, this day is made more lively by Jesse Jupiter, MD, moderating the debate between Robert Szabo, MD, President of ASSH and A. Lee Osterman, MD, incoming President of AAHS on evidence-based medicine. David Ring, MD, will moderate the panel on the controversy regarding the treatment of peripheral neuropathies, specifically carpal tunnel syndrome and ulnar neuropathy at the elbow. The afternoon session will be devoted to the interdisciplinary efforts of therapists and physicians and will include a workshop on splinting as well as two outstanding courses on therapeutic approaches for the treatment of distal radius fractures and stiff joints.

Subsequent days will consist of even more instructional courses and panels on a variety of topics ranging from management of sports injuries to treatment of congenital hand problems. The ever popular Hand Review Course will be chaired by Peter Jebson, MD, and present expert views on important topics in hand surgery in a didactic series of lectures. The meeting will commence on Saturday with AAHS, ASPN and ASRM Combined Day. The keynote presentation on Saturday will prove to be an exciting and informative lecture by a prominent national figure. Overall, this is a meeting that should not be missed. It is a wonderful time to establish new friendships and to meet up with old friends in the relaxing surroundings of beautiful Florida. I look forward to seeing all of you in Boca Raton. We will do everything we can to make you feel at home and ensure that this will be an outstanding educational event.

Kevin C. Chung, MD, MS
AAHS Program Chair

**ASPN**

American Society for Peripheral Nerve

European Perspectives

Please join us at the legendary Boca Raton Resort, home of the 19th Annual Meeting of the American Society for Peripheral Nerve. Our meeting will be held in this internationally accessible locale, on Friday, Saturday and a full day on Sunday, January 8th, 9th, and 10th, 2010. We are delighted to hold our meeting in the midst of elegance, ambiance and an idyllic tropical setting. We hope you enjoy the tranquil gardens and are inspired by the art and architecture throughout this one-of-a-kind destination.

The theme of this year’s meeting is a European Update on Neural Regeneration and we are delighted to have three invited speakers from Europe share their work on this topic with ASPN members.

The program will begin on Friday with an historical look at the peripheral nerve topic, led by our current president, Howard Clarke, MD, PhD. We have three days of programming, and each day will include one of our invited European speakers, who will be offering their perspectives on the papers and will be participating in our planned panel discussions.

We have increased the discussion time for each panel and paper sessions, which are peer-reviewed and will be presented based on topic, allowing for cohesive and focused discussion of the evidence. We are also delighted to present seven instructional courses as well as an interactive poster session format.

Again, we look forward to welcoming you to Boca and hope that you enjoy our stimulating line up of presenters and topics.

Warm Regards,

Martijn J.A. Malessy, MD, PhD
ASPN Program Chairperson

**ASRM**

American Society for Reconstructive Microsurgery

Keeping the Future Bright!

The ASRM just celebrated 25 years of success and our future is bright. As the interest in microsurgery grows we have seen considerable growth in attendance to our meetings and continued quality programming. The Program Committee is dedicated to continuing to provide attendees with revolutionary topics that address clinicians as well as researchers.

Based on feedback of the 2009 Annual Meeting provided through the online survey, we have maintained the provocative panel presentations, improve the poster presentation format, and increase discussion time. New for this year is a variety of concurrent breakout panels with focused topics and a more interactive format.

The Program Committee is committed to making the ASRM meeting a continued success and to provide you with quality, evidence-based education in an effective format. We have continued the very popular Best Case and Best Save Presentations initiated by Mike Zenn and brought it back to a more social format in the evening. We had great feedback from the attendees at the Disaster of the Masters and Dr. Lawrence Gottlieb will be chairing the Master Series programming again for 2010. This year’s meeting will be one not to be missed!

We are pleased you have joined us in Boca Raton for a fantastic meeting.

Charles E. Butler, MD
ASRM Program Chairperson
**GENERAL ANNOUNCEMENTS**

*Programs subject to change*

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<tr>
<th>Meeting Services and On-site Registration Hours (subject to change)</th>
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<tr>
<td><strong>Tuesday, January 5</strong></td>
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<td><strong>Wednesday, January 6</strong></td>
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**AAHS Poster Presentation Viewing Hours**
The AAHS Poster Presentations will be placed in the *Exhibit Hall in Royal Palm 6-10* room from Thursday, January 7th – Saturday, January 9th. Posters will be displayed on several monitors around the room. Be sure to visit each monitor to view all poster presentations. *Not for credit.*

**ASPN Poster Presentation Viewing Hours**
The ASPN Poster Presentations will be placed in *Exhibit Hall in Royal Palm 6-10* room. Posters will be available for viewing Friday, January 8th – Sunday, January 10th. A special presentation session will take place in *Exhibit Hall in Royal Palm 6-10* room on Saturday, January 9th 4:00 – 5:30pm. *Not for credit.*

**ASRM Digital Poster Presentation Viewing Hours**
The ASRM Poster Presentations will be placed in the *Exhibit Hall in Royal Palm 6-10* room from Saturday, January 9th – Tuesday January 12th. Posters will be displayed on several monitors around the exhibit hall. Be sure to visit every monitor to view all poster presentations. *Not for credit.*

**Commercial Exhibits**
The commercial exhibits will be located in the *Royal Palm 6-10* room. A variety of commercial exhibits are featured at the meeting, enabling the attendees to learn about the technological advances pertaining to upper extremity surgery, neurosurgery and reconstructive microsurgery, and to meet key suppliers. Please refer to the Exhibit Listing in this book.

**Exhibit Hours**

| Thursday, January 7 | 12:30 pm – 3:00 pm |
| Friday, January 8  | 8:00 am – 3:45 pm  |
| Saturday, January 9| 6:30 am – 5:30 pm  |
| Sunday, January 10 | 6:30 am – 3:00 pm  |
| Monday, January 11 | 6:30 am – 12:45 pm |

* Internet stations are located in the exhibit hall and are available to all attendees during the published exhibit hours.

**Speaker Ready Room Hours**
The Speaker Ready Room will be located in the *Veranda Room*. All speakers must submit their presentations no less than two (2) hours prior to their scheduled presentation time.

| Wednesday, January 6 | 6:00 am – 5:00 pm |
| Thursday, January 7  | 6:30 am – 3:30 pm |
| Friday, January 8    | 6:00 am – 5:00 pm |
| Saturday, January 9  | 6:00 am – 3:00 pm |
| Sunday, January 10   | 6:30 am – 3:00 pm |
| Monday, January 11   | 6:30 am – 3:00 pm |
| Tuesday, January 12  | 7:00 am – 4:00 pm |

**Copyright**
All of the proceedings of the annual meeting, including the presentations of scientific papers, are intended solely for the benefit of the membership of the American Association for Hand Microsurgery, American Society for Peripheral Nerve and American Society for Reconstructive Microsurgery. No statement or presentation made at the meeting is to be regarded as dedicated to the public domain. Any statement or presentation is to be regarded as limited publication only and all property rights in the material presented, including common law copyright, are expressly reserved to the speaker or to the American Association for Hand Surgery, American Society for Peripheral Nerve and American Society for Reconstructive Microsurgery. Any sound reproduction, transcript, or other use of material presented at the meeting without the permission of the speaker or American Association for Hand Surgery, American Society for Peripheral Nerve and American Society for Reconstructive Microsurgery is prohibited to the full extent of common law copyright in such material.

**Dress Code**
We encourage meeting attendees to dress casually and comfortably. Jackets and ties are not required for any business or networking events. If you plan to be outdoors in the evening, a jacket may be preferred.

**Message Board**
A message board will be set up near Meeting Services in the foyer. Please refer to the message board for meeting notices and general announcements.

**Special Needs**
AAHS, ASPN, and ASRM fully comply with the requirements of the Americans with Disabilities Act (ADA) and will endeavor to address special needs, as time allows, to enhance your participation.

**THE USE OF CAMERAS OR PHOTOGRAPHIC EQUIPMENT IS NOT PERMITTED DURING THE PRESENTATION OF SCIENTIFIC PAPERS.**
Networking Events

Networking events are offered to promote collaboration in a social environment, and to enhance your meeting experience. Many of the events are included in your registration fee, and we encourage you to purchase tickets for your guests for all networking events. We recommend that you purchase guest tickets in advance, as they will be available on a very limited basis at the meeting. Attendee name badge or a guest ticket is required for all social events.

AAHS Hand Therapist Reception:
Wednesday, January 6: 5:30 pm – 6:30 pm
Cost: Complimentary to AAHS Hand Therapist Attendees
The inclusive nature of AAHS has attracted therapists and maintained their loyalty over many years. Upon completion of specialty day programming, AAHS Therapist attendees are welcomed by the AAHS President, Nicholas Vedder, MD, FACS for a cocktail reception at the Spanish Terrace in the Mizner Center. Includes hosted beverages and light hors d’oeuvres.

Supported by Auxilium Pharmaceuticals, Inc.:  

AAHS Welcome Reception:
Wednesday, January 6: 6:30 pm – 8:30 pm
Cost: 1 ticket included in AAHS registration
Additional tickets available @ $50 each; tickets for children and young adults ages 5 - 20 available @ $25 each.
Reconnect and reflect with fellow meeting-goers at this casual gathering of AAHS attendees on the resort’s Grand Lawn of the Mizner Center. Ticket includes hosted beverages and light hors d’oeuvres.

Supported by Auxilium Pharmaceuticals, Inc.:  

AAHS Awards Dinner Dance:
Friday, January 8: 7:00 pm – 10:00 pm
Cost: 1 ticket included in AAHS registration
Additional adult tickets available @ $125 each; tickets for children and young adults ages 5 - 20 available @ $55 each.
Join us for this annual event being held in the Grand Ballroom A-D of the resort. After we congratulare our award winners, a celebratory dinner with entertainment will commemorate the achievements of 2009. Ticket includes dinner, hosted beverages and musical entertainment.

Supported by Auxilium Pharmaceuticals, Inc.:  

ASPN/ASRM Welcome Reception:
Saturday, January 9: 6:00 pm – 8:00 pm
Cost: 1 ticket included in ASPN and ASRM registration
Additional tickets available @ $50 each; tickets for children and young adults ages 5 - 20 available @ $25 each. Join ASPN and ASRM in the resort’s Cathedral Room and reacquaint yourself with fellow meeting-goers during this casual reception. Ticket includes beverages, light hors d’oeuvres and musical entertainment.

Supported by Accurate Surgical & Scientific Instruments Corporation

ASRM Social Event:
Monday, January 11: 6:30 pm – 8:30pm
Cost: 1 ticket included in ASRM registration
Additional tickets available @ $75 each; tickets for children and young adults ages 5 – 20 @ $45 each.
Tonight we’ll mix and mingle at the resort’s Old Homestead Restaurant while enjoying heavy hors d’oeuvres, beverages and live music and making it a night to remember. Casual attire is appropriate. This event is indoor/outdoor; so please plan accordingly. Ticket includes heavy hors d’oeuvres, beverages and entertainment.

ASRM Guest Fee
Have your guest or spouse join you for ASRM social events, breakfasts and lunches during the official dates of the ASRM meeting (Saturday – Tuesday). Please see ASRM daily schedules for details. ASRM guests are not eligible to claim CME credit. Any attendee that plans to attend general sessions and claim CME credit must be a healthcare professional and register as a regular attendee. Cost $250 per ASRM guest.
Optional Tours and Activities

The concierges of the Boca Raton Resort and Club offer a variety of options for what to do and see while in the area, as well as adult and children’s activities that take place at the resort (for resort guests only). Plan ahead and visit www.bocaresort.com, or call the concierge at 561-447-3000 to learn more about the many possibilities. If you prefer to join in with fellow association members, we’ve made special arrangements for a few private tours that can be reserved in advance. On-site ticket purchases will be limited, and some tours may be unavailable. If tour ticket minimum sales are not met, some tours may be cancelled in which case, all advance reservation payments will be fully refunded.

Deep Sea Fishing:
Offered: Friday, January 8 from 1:00 – 5:00pm or Saturday, January 9 from 1:00 – 5:00pm
Cost: Adult Ticket Only $175.00

South Florida’s coastline offers the most accessible big game fishing anywhere in the United States, and with the Gulf Stream right offshore, a five-minute run gives fishing enthusiasts access to immediate game. Sailfish can actually be caught in sight of the beach, and mahi-mahi, tuna, king mackerel, wahoo, grouper, giant sharks, barracuda, snapper, and many more species are known to inhabit the coastal area as well. Each 50 ft. boat can accommodate up to 6 people for an incredible fishing experience. Departs from the Boca marina. Dress casually in soft-soled shoes, hat, sunglasses and plenty of sunscreen. Includes soft beverages and dry snacks, gratuity, fuel, dockage, equipment, bait and tax.

Everglades and Wild Animal Park:
Offered: Friday, January 8 from 1:00 – 5:00pm or Saturday, January 9 from 1:00 – 5:00pm
Cost: Adult Ticket $69.00; Child under 12 $60.00

Start the adventure with a thrilling 30-minute guided airboat tour of the Florida Everglades. Catch a glimpse of endangered wildlife as you skim across the glassy water with your spirit soaring as you view nature at its finest. Afterwards, enjoy a 1.5 hour self-guided tour through the animal park and experience encounters with alligators, Florida panthers, bobcats and many other indigenous creatures before heading back to the lush landscape of a more civilized world. Drive time each way is approximately 45 minutes. Dress casually in soft-soled shoes, hat, sunglasses and plenty of sunscreen. Includes transportation, guide, guided boat tour, animal park admission for self-guided experiences and gratuities. Beverages and snacks can be purchased at the park on your own. Visit www.evergladestours.com for more information.

AAHS/ASRM 14th Annual Day at the Links:
Saturday, January 9: Shotgun at 12:30pm
Cost: $220.00 per player
Tickets are non-refundable unless the tournament is called due to weather.

Nike Rental Clubs: $91.00, includes tax and 2 sleeves of Nike balls (pay in advance to guarantee availability.) Another memorable golf experience unfolds on the first-class championship course at the Boca Raton Resort and Club. This year’s format is a Shamble, and promises an exciting challenge for all skill levels. Each member of your foursome hits a tee shot. The best drive of the team is selected, and all players play their own ball out from that point. We’re looking forward to seeing you on tournament day, and will pass on more details and instructions in your meeting registration packet. Greens and cart fee, tournament fees and gratuities are all included in the cost.

Intracoastal Mansion Tour:
Offered: Saturday, January 9 from 1:30 – 3:30pm
Cost: Adult Ticket $105.00; Child under 12 $95.00

The Intracoastal waterway provides one of the finest boating experiences in the world and there’s no better way to enjoy the unique beauty of Boca Raton’s own distinctive waterway than aboard a 55 ft. catamaran. Magnificent estate mansions dot the shoreline, many designed in 1927 by Addison Mizner, the original architect of the Boca Raton Resort and Club. Our historical docent will describe the area’s interesting facts and fiction that make this tour so unique. Departs from the resort’s marina. Dress casually in swimsuits, cover-ups, shorts, soft-soled shoes, hat, sunglasses and plenty of sunscreen. Included: narrated tour, beer, wine, bottled water, soft drinks, bar snacks, gratuity and tax.
American Society of Plastic Surgeons
Anne Footle
444 East Algonquian Road
Arlington Heights, IL 60005
phone 847-228-9900
tax 847-228-7099
email memserv@plasticsurgery.org
www.plasticsurgery.org

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email mbennick@amsurgical.com
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Douglas Silber
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Alachua, FL 32615
phone 386-462-6816
tax 386-462-6801
email dsilber@axogeninc.com
www.axogeninc.com

Axogen® Inc. was founded in 2002 to focus on improving peripheral nerve repair. Peripheral nerves provide the pathway for both motor and sensory signals between the central nervous system and muscles or organs throughout the body. Injuries to nerves impact patients in many ways. A traumatic injury to an arm may result in a loss of strength, movement and muscle mass. The removal of the prostate and the cavernous nerves due to prostate cancer may result in erectile dysfunction and/or incontinence. An injury to the facial nerve can result in the patient losing the ability to smile. Every year, several hundred thousand people suffer traumatic injuries or have surgical procedures which may impact the function of their peripheral nerves. Axogen is committed to supporting surgeons in improving the standard of care for these patients.

Ascension Orthopedics
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Leigh Lovato
8700 Cameron Road
Suite 100
Austin, TX 78754
phone 512-836-5001
tax 512-836-5145
email lllovato@ascensionortho.com
www.ascensionortho.com

Ascension Orthopedics is dedicated to combining advanced materials with innovative designs, focusing on extremity surgery, and leading the field in surgeon education. Our founders are pioneers in using advanced materials to combat the debilitating effects of arthritis. Our goal is to provide solutions for all areas of surgery – reconstruction, trauma and tissue regeneration.

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ASSI will feature the Engler Breast Retractor, the Stanger C Breast Retractors and the new Lalone Breast Sizers, the Lalone Percutaneous Bone Clamp with K-wire guide, Face Lift Retractors, Campbell Lip Awl, Matarasso Lipo Roller and SuperCut Face Lift Scissors, ASSI’s Bipolar Scissors, Micro Monopolar Forceps, the Surex Sural Nerve Extractor and Nerve Holding/Cutting Forceps. ASSI’s Hand Crafted Microsurgical Instruments and Clinical Microvascular Clamps.
BioMet Trauma
Booth: 312
Karrie Nelson
100 Interpace Parkway
Parsippany, NJ 07054
phone 973-299-9300
fax 973-316-2452
email karrie.enelson@biomet.com
www.biomedtrauma.com

BioMet Trauma develops and markets a full range of internal and external orthopedic devices used for hand/upper extremity fracture fixation. This includes Variable Pitch Compression Screws, OptiROM, Elbow Fixator, a Proximal Humeral Plating System, Distal Radius Plating System with SphereLock™ Technology, humeral nails and a variety of distal radius fixators.

Checkpoint Surgical, LLC
Booth: 220
Terri Zmina
22901 MillCreek Blvd., Suite 110
Cleveland, OH 44122
phone 216-378-9107
fax 216-378-9116
email tzmina@checkpointsurgical.com

CHECKPOINT SURGICAL™ provides physicians with medical devices to locate, evaluate and protect nerves and muscles during surgery for better patient outcomes. The CHECKPOINT® hand-held stimulator has a wide range of parameters fully controlled by the surgeon to locate and evaluate nerves intra-operatively to help make decisions with confidence.

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email Jennifer.moore@cookmedical.com

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Leslie Ristine
834 Chestnut Street
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phone 215-925-4579
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email lristine@handfoundation.org
www.handfoundation.org

The Hand Rehabilitation Foundation, established in 1975, is a 501(c)3 non profit corporation formed to promote research and education, and disseminate information to physicians and therapists who work with children and adults with hand disorders caused by injury, disease or present at birth.

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Booth: 219
Laura L. DiGangi
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Bedford, MA 1730
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fax 781-280-0668
email ldigangi@hologic.com
www.hologic.com

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fax 609-799-3297
email jtrout@integra-ls.com
www.integra-ls.com

Integra develops, manufactures, and markets medical devices for neuro-trauma and neurosurgery, plastic and reconstructive surgery and general surgery. Integra’s peripheral nerve surgery products include NeuraGen™ for completely severed nerves and NeuralWrap™ for compressed, scarred or partially injured nerves.

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fax 845-405-2075
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www.surgicalscopes.com

Linear Medical Solutions
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Glynn Waller
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Jacksonville, FL
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www.linearsolutions.com
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Booth: 221
Linda Smith
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phone 610-961-6101
fax 610-961-6108
email linda.smith@medartis.com
www.medartis.com

Medartis is recognized around the world as an innovator in the use of Polyaxial screw fixation for the treatment of Distal Radius and Hand fractures. Since 2001, MEDARTIS has continued to develop exceptional implants and elegant instrumentation, finely crafted in the Swiss tradition of Orthopaedics.

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phone 267-364-0556
fax 267-364-0567
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The CME Corner center is a unique service of Medical Communications Media, Incorporated and is intended to provide AAHS members with access to a free CME monograph on the topic of Dupuytren's Contracture. Free copies of the monograph will be available at the exhibit.

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Golden, CO 80401
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Toll-free 888-273-5344
Fax 303-273-6463
email: info@medicalmodeling.com
www.medicalmodeling.com

Medical Modeling specializes in pre-surgical planning and production of physical models, guides and templates engineered to carry out the planned approach. Especially relevant to microvascular surgery, the company’s work with fibula free grafts and osteotomy guides for fibular osteotomies has proven invaluable to many teams performing reconstruction of the mandible or maxilla. Stop by our booth to learn more about our unique product offering.

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Bern Teitz
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Lake Forest, IL 60048
phone 847-549-1410
fax 847-549-1510
email bern@micrins.com
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fax 713-664-8873
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www.microsurgeryusa.com

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email mrrattle@mmi-usa.com
www.mmi-usa.com

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fax 781-890-1556
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www.neurometrix.com

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fax 905-629-0282  
email ztoor@novadaq.com  
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phone 480-503-8010  
fax 480-503-8011  
email Christina@orthoscan.com  
www.orthoscan.com

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fax 972-677-4731  
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www.stryker.com
Surgical Acuity-Kerr Corporation
Booth: 306
Jamie Los
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Email jamie.los@sybrondental.com
www.surgicalacuity.com

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Andrea Puksta
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Phone 610-719-6892
Fax 610-719-6533
Email puksta.andrea@synthes.com
www.synthes.com

Synthes CMF is the sole authorized North American manufacturer and distributor of AO ASIF instruments and implants for internal fixation of craniofacial and mandibular trauma and reconstruction. Our product offering includes distraction osteogenesis devices, resorbable plating, and bone graft substitutes. Synthes CMF also supports North American AO ASIF Continuing Education courses.

Toby Orthopaedics, LLC
Booth: 200
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Coconut Grove, FL 33133
Phone 305-495-3115
Fax 305-768-0269
Email edmex@hotmail.com
www.tobyortho.com

The Guatemala Healing Hands Foundation
Booth: Foyer
Mona Lipson
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Brooklyn, NY 11215
Phone 718-768-5927
Email monalipson@hotmail.com
www.guatemalahands.org

GHHF is a nonprofit organization dedicated to improving the quality and availability of hand care in Guatemala through education, surgery, and therapy. Specializing in the treatment of congenital and hand injuries, we aim to reach the Guatemalan population through medical missions led by a volunteer team of specialized and skilled surgeons, therapists, and dedicated volunteers.

Tri Med, Incorporated
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Valencia, CA 91355
Phone 800-633-7221
Fax 661-254-8485
Email townsend@trimedortho.com
www.trimedortho.com

Founded in 1995, TriMed revolutionized the treatment of distal radius fractures. TriMed® is one of the most dynamic companies in the field of orthopaedics with its Advanced Fixation Technologies™. The company specializes in small fragment and peri-articular fractures fixation and holds numerous patents on its innovative fracture fixation products.

ViOptix, Incorporated
Booth: 206
Denise Yarmlak
44061-B Old Warm Springs Boulevard
Fremont, CA 94538
Phone 510-226-5806 x 217
Fax 510-226-5864
Email yarmlakd@vioptix.com
www.vioptix.com

The ViOptix™ Tissue Oximeter provides continuous, non-invasive, direct, real-time measurements of local tissue oxygen saturation. It is used for post-operative monitoring of flaps and digit replants to assess and monitor tissue, thereby improving medical outcomes and decreasing cost. The system consists of a monitor and sterile single-use optical sensors.
## Future Annual Meeting Locations

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<thead>
<tr>
<th>AAHS</th>
<th>ASPN</th>
<th>ASRM</th>
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<tr>
<td><strong>2011 Annual Meeting</strong></td>
<td><strong>2011 Annual Meeting</strong></td>
<td><strong>2011 Annual Meeting</strong></td>
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<tr>
<td>Ritz Carlton Cancun</td>
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<td><strong>2012 Annual Meeting</strong></td>
<td><strong>2012 Annual Meeting</strong></td>
<td><strong>2012 Annual Meeting</strong></td>
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<td>Red Rock Casino, Resort and Spa</td>
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<td>Red Rock Casino, Resort and Spa</td>
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Overview
After the completion of this program, participants will have an enhanced knowledge of the scope and application of surgical techniques, treatment and management of fractures, arthritis and congenital problems, as well as methods of avoiding problems with distal radius fixation and ways to avoid and manage trauma.

Intended Audience
The 2010 AAHS Annual Meeting is intended for healthcare professionals working in disciplines related to hand surgery, including orthopedic surgeons, plastic surgeons, general surgeons, microsurgeons, hand therapists, nurses and basic scientists.

Overall Learning Objectives
At the end of this activity, participants should be able to:

- Discuss clinical and basic science research on hand and upper extremity problems
- Integrate principles of hand therapy with surgical management of hand and upper extremity problems
- Discuss surgical and nonsurgical principles of managing common hand and upper extremity problems
- Summarize the intellectual discourses in an integrated program with the related surgical societies and resolve conflicts where possible
- Summarize clinical and nonclinical hand therapy issues for a variety of hand problems and fractures
- Exchange the knowledge and expertise of the various specialties involved with hand surgery

Educational Formats/Methodologies
- Original research presented as papers in an open session that will encourage audience participation
- Recognized experts presenting instructional courses and panels on hand and upper extremity problems
- Hand therapy principle emphasized on a special focused day and throughout the meeting
- A combined meeting with outstanding papers contributed by the AAHS, ASPN and ASRM

Accreditation/Designation
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 American Society of Plastic Surgeons® and the American Association for Hand Surgery. The American Society of Plastic Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

The American Society of Plastic Surgeons designates this educational activity for a maximum of 23 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Of the 23 credits, 4.5 have been identified as applicable to Patient Safety.

<table>
<thead>
<tr>
<th>Session</th>
<th>Total AMA PRA Category 1 Credits™ Available</th>
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<tr>
<td>AAHS Annual Meeting General Session</td>
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<tr>
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<tr>
<td>• Courses 104 - 108</td>
<td>1.0 each</td>
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<tr>
<td>• Courses 109 - 110</td>
<td>1.0 each</td>
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<tr>
<td>• Courses 111 - 115</td>
<td>1.0 each</td>
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<tr>
<td>Comprehensive Hand Surgery Review Course</td>
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<tr>
<td>Specialty Day General Session</td>
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<tr>
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<tr>
<td>• Course 101</td>
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<tr>
<td>• Courses 102 - 103</td>
<td>1.0 each</td>
</tr>
<tr>
<td>Total Credits an Attendee can Claim for this Meeting (Including Ticketed Sessions):</td>
<td>23 AMA PRA Category 1 Credits™</td>
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Disclaimer
The views expressed and the subject material presented in the course of any activities sponsored by the American Association for Hand Surgery including lectures, seminars, instructional courses, or otherwise, represent the personal views of the individual participants and do not represent the opinion of the American Association for Hand Surgery. The Society assumes no responsibility for such views or materials, or implied, for the content of any Society sponsored presentations. Further, the Society hereby acknowledges that while its broad purpose is to promote the development and exchange of knowledge pertaining to the practice of microsurgery; it does so only in the context of a private forum without making any representation to the public whatsoever. Accordingly, the Society declares that its primary purpose is to benefit only its members, and responsibility of the Society for acts or omissions of Society members dealing with the public is hereby expressly disclaimed.
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All identified conflicts of interest have been resolved.

Disclosures of all Chairs, Co-Chairs, Speakers, Authors, Moderators, Reviewers, Committee Members, and other appropriate individuals:

- Brian Adams, MD serves as a Consultant to Ascension Orthopedics and Integra Life Sciences. He has also indicated that off-label/unapproved uses are included in his discussion related to wrist implants.
- Edward Akelman, MD serves as a Consultant for Auxilium Pharmaceuticals, Inc.; Recipient of Research Support from Auxilium Pharmaceuticals.
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- Richard Berger, MD is a Recipient of royalties from Small Bone Innovations.
- Randip Bindra, MD is a Speaker for Integra Neurosciences and Small Bone Innovations. He serves as Consultant for Tornier and Acumed and as an Advisor to A.M. Surgical.
- David Bozentka, MD serves as a Speaker for Medartis.
- James Chang, MD is a Recipient of Research Support from Merit Review Federal Grants.
- Tyson Cobb, MD is a Shareholder in American Hand Institute and Consultant to Integra Life Sciences.
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- Priscilla D’Agostino, MD is a Recipient of financial support for the cost of the scientific study without any intellectual property from Wright Medical Technology.
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- Michael Kessler, MD has reported that he has no relevant financial relationships or affiliations to disclose. He has indicated that off-label/unapproved uses are included in his discussion of doxycycline – inhibition of MMP.
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- Ather Mirza, MD is an Advisor and Shareholder in A.M. Surgical, Inc.
- A. Lee Osterman, MD serves as a Consultant to Auxilium, Medartis, and Biomet. He is a Recipient of fellowship support from Synthes and Biomet.
- David Ring, MD, PhD is a Recipient of unrestricted research grants from Tornier and Acumed. He is also a Recipient of study specific grants from Joint Active Systems, Biomet, Stryker Orthopaedic Trauma Association, American Foundation for Surgery of the Hand, and MGH Department of Orthopaedic Surgery. He serves as Consultant to Wright Medical, Tornier, and Acumed. He is a Recipient of honoraria from DePuy, AO North America, and AO International. He is a Recipient of royalties from Hand Innovations, Wright Medical, and Skeletal Dynamics. He has stock options in Illuminos and Mimedex. He is a Recipient of funding for a hand surgery fellowship from AO North America. He serves as Deputy Editor for Review Articles, Journal of Hand Surgery, American and Deputy Editor for Hand and Wrist, Journal of Orthopaedic Trauma.
- Jaiyoung Ryu, MD is a Speaker for Medartis.
- Alexander Shin, MD is a Recipient of Research Support from Integra LifeSciences and from Mayo Foundation. He is also a Recipient of Research Support from the American Society for Surgery of the Hand.
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- Andrew Zhang, MD
- Ioannis Zouzias, MD

ASPS CME Committee/Education staff members and involved AAHS staff members have no relevant financial relationships or affiliations to disclose.
American Association for Hand Surgery

DAY-AT-A-GLANCE
Wednesday, January 6, 2010

6:00am – 5:00pm Speaker Ready Room Veranda 2
6:30am – 6:00pm Meeting Services Royal Palm Pre-Assembly
7:00am – 7:30am Continental Breakfast Addison
7:30am – 2:00pm Specialty Day Program: Examining the Evidence in Hand Surgery Addison
7:30am – 8:30am President and Program Chair Welcome Addison
8:30am – 9:30am Panel: Flexor Tendon Surgery in the 21st Century Addison
9:30am – 10:30am Panel: Medical-Legal Issues in Hand Surgery Addison
10:30am – 10:45am Coffee Break Addison
10:45am – 11:15am Discussion & Debate: Evidence Based Medicine – The Be All And End All? Addison
11:15am – 12:00pm Panel: What is the Evidence in Treating CMC Arthritis? Addison
12:00pm – 1:00pm Lunch Addison
1:00pm – 2:00pm Panel: What is the Evidence in Managing CTS and Ulnar Neuropathy at the Elbow? Addison
2:00pm – 4:00pm AAHS Instructional Course 101 Splinting for Stiffness (Workshop/Lab) Addison
2:30pm – 3:30pm Hand Surgery Endowment Board of Governors Meeting Estate 1
4:00pm – 5:00pm AAHS Instructional Courses 102 Advances in Therapy: What is the Evidence for Treating Distal Radius Fractures Veranda 3 and 4
103 Therapeutic Approaches to Treating Joint Stiffness Addison
5:30pm – 6:30pm Hand Therapists’ Reception Spanish Terrace, Mizner Center
6:30pm – 8:30pm AAHS Welcome Reception Grand Lawn/ Mizner Center
AAHS Meeting Agenda

Wednesday, January 6, 2010 / Specialty Day Program
Examining the Evidence in Hand Surgery

7:00 - 7:30am  Continental Breakfast

Session: President and Program Chair Welcome

7:30 - 8:30am

Invited Speakers:

Nicholas B. Vedder, MD, FACS, AAHS President

Kevin Chung, MD, Program Chair

Peggy Boineau, OTR, CHT, ASHT President

Gretchen Kaiser, OTR, OTR/L, MBA, CHT, Specialty Day Chair

Panel: Flexor Tendon Surgery in the 21st Century
8:30 - 9:30am

Moderator: Peter Arndolio, MD

Invited Panelists: Edward Akelman, MD; Rebecca von der Heyde, PhD(c), OTR/L, CHT

Panel: Medical-Legal Issues in Hand Surgery
9:30 - 10:30am

Moderator: James Chang, MD

Invited Panelists: Ronald Palmer, MD; Mark Rekant, MD; L. Andrew Koman, MD

Panelists will discuss important medical-legal issues including patient selection, risk management, avoidance of complications, and medical record documentation.

Objectives:

1. Practice with an increased awareness of patient communication and the importance of medical record documentation

Patient safety

10:30 - 10:45am  Coffee Break

Discussion & Debate: Evidence Based Medicine – The Be All And End All?
10:45 - 11:15am

Moderator: Jesse Jupiter, MD

Invited Debaters: Robert Szabo, MD, MPH; A. Lee Osterman, MD

This panel will address common clinical problems such as nerve compression, arthritis, and arthropathy from the perspective of what the evidence in our literature suggests as best practice as compared to what techniques have been effective without documentation in Level 1 evidence studies.

The panel will attempt to define the true role of evidence based outcomes as they relate to our specialty.

Objectives:

1. Discuss how evidence based knowledge is generated and its role compared to careful individual experience in decision making for management of problems related to the upper limb

Patient safety

Panel: What is the Evidence in Treating CMC Arthritis?
11:15 - 12:00pm

Moderator: Michael Neumeister, MD

Invited Panelists: Alejandro Badia, MD; Robert Beekenbaugh, MD; Susan Michlovitz, PT, PhD, CHT

12:00 - 1:00pm  Lunch

Past Presidents Lunch (Invitation only)
12:00 - 1:00pm

Panel: What is the Evidence in Managing CTS and Ulnar Neuropathy at the Elbow?
1:00 - 2:00pm

Moderator: David Ring, MD

Invited Panelists: Brent Graham, MD; Joseph Imbriglia, MD; Joy MacDermid, BScPT, PhD

Using a case-based discussion format, panelists will review best evidence for diagnosis, etiology, non-operative, and operative treatment of carpal and cubital tunnel syndrome.

Objectives:

1. Apply best evidence in the diagnosis and treatment of carpal tunnel and cubital tunnel syndrome and discuss areas of debate and directions for future research

Patient safety

Hand Surgery Endowment Board of Governors Meeting
2:30 - 3:30pm

AAHS Instructional Course
2:00 - 4:00pm

101 Splinting for Stiffness (Workshop/Lab)

Chair: Aviva Wolff, OTR, CHT

Instructors: Gretchen Kaiser, OTR, OTR/L, MBA, CHT; Paul Brach, PT, CHT

Review the principles for treating joint stiffness, physiology of soft tissue and soft tissue response to splinting and participate in small group demonstrations of splinting techniques to help manage joint stiffness. Time will be available at the end of the session for roundtable discussion with course facilitators and colleagues to discuss complex cases and application and modifications of presented techniques.

Objectives:

1. Recognize joint versus soft tissue stiffness, different treatment options for joint stiffness and apply appropriate splinting techniques

2. Identify different methods of orthotic fabrication based on biomechanically sound principles and the best available evidence

3. Describe the rationale for the creation of custom orthotics versus issuance of prefabricated options and the costs and current reimbursement patterns for the orthoses presented

AAHS Instructional Courses
4:00 - 5:00pm

1 AMA PRA Category 1 Credits™

102 Advances in Therapy: What is the Evidence for Treating Distal Radius Fractures?

Chair: Tambora Mark, OTR, OTR/L, CHT

Instructors: Kristin Valdes, OTR, OTR/L, CHT; Nancy Wesolowski, OTR, OTR/L, CHT

This course will present a general anatomical and kinetic review of the wrist based on scientific research. Types of distal radius fractures and how they impact the ulna, the distal radioulnar joint, carpal, and other surrounding structures which can be involved with fractures to the distal radius will also be discussed. Patient centered valid and reliable outcomes as well as the evolution and application of internal and external fixation devices to assist hand therapists with fracture management based on scientific research will be emphasized.

Objectives:

1. Describe the evolution of fixation devices for distal radius fractures and the trend of plate fixation as based upon the evidence in the literature

2. Apply recommendations for current therapeutic interventions and time frames as based upon current literature

3. Define precautions and “red flags” associated with the treatment of distal radius fractures

Patient safety

103 Therapeutic Approaches to Treating Joint Stiffness

Chair: Ann Lund, OTR, CHT

Instructors: Cynthia Cooper, MA, OTR/L, CHT; Jeffrey Cowdry, OT/L, CHT

This course is meant to expose both the experienced and beginner therapist to an evaluation of present day practice and better ways to manage the problem and patient. The use of modalities, exercise and functional use of the hand will be blended with the tools therapists need to motivate the patient and achieve the optimal outcome.

Objectives:

1. Practice with an increased awareness of the balance between treatment options and time/economic restraints

2. Discuss “when to say when” (e.g., at what point do you return the patient to the surgeon)

Patient safety

Hand Therapist Reception
5:30 - 6:30pm

Supported by Auxilium Pharmaceuticals, Inc.

AAHS Welcome Reception
6:30 - 8:30pm

Supported by Auxilium Pharmaceuticals, Inc.
# American Association for Hand Surgery

## DAY-AT-A-GLANCE

**Thursday, January 7, 2010**

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<td>9:00am – 9:45am</td>
<td>Session A Panel: Advances in Treating Dupuytren’s Disease</td>
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<tr>
<td>9:45am – 10:15am</td>
<td>Session B Panel: Management of Hand Injuries in Athletes</td>
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<tr>
<td>9:15am – 10:15am</td>
<td>Hand Journal Editorial Board Meeting</td>
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<td>9:45am – 10:45am</td>
<td>Scientific Paper session A1: Policy, Dupuytren’s, Flexor Tendon</td>
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<tr>
<td>10:45am – 11:00am</td>
<td>Scientific Paper session B1: Distal Radius, Nerve, Finger</td>
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<td>10:45am – 11:30am</td>
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<tr>
<td>11:30am – 12:30pm</td>
<td>Session A Panel: Treatment of the PIP Joint</td>
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<td>12:30pm – 3:00pm</td>
<td>Session B Panel: What is New For the DRUJ?</td>
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<td>12:30pm – 3:00pm</td>
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<tr>
<td>1:30pm – 2:30pm</td>
<td>Session A Panel: Soft Tissue Coverage of the Hand</td>
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<td>2:30pm – 3:00pm</td>
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<td>3:00pm – 4:00pm</td>
<td>Instructional Courses</td>
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<td>Life Financial Goals for Physicians and Their Practices</td>
<td>Addison</td>
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AAHS Instructional Courses

Thursday, January 7, 2010

7:00 - 8:00am

1 AMA PRA Category 1 Credit™

104 Wide Awake Hand Surgery
Chair: Donald Lalonde, MD
Instructors: Matthew Concannon, MD; Amanda Higgins, BSScOT, OT

This course will focus on the method of minimal pain local anesthetic injection for the most common hand operations. Major new advantages and practical tips of performing wide awake hand surgery will be outlined. Practical aspects of beginning a wide awake hand surgery practice in the US will be described. Interoperative hand therapy and therapist/surgeon cooperation will be shown.

Objectives:
1. Provide wide awake local anesthesia to more than 95% of their hand surgery patients with the only pain felt being the sensation of one needlestick with a 30 gauge needle
2. Be able to see pain free sedation, free active patient movement of repaired hand structures such as repaired tendons, tendon transfers and hand fractures before the skin is closed which permits adjustments in the repairs for optimal results

Patient safety

105 Treatment of Regional Pain Syndrome: How I Do It
Chair: Catherine Curtin, MD
Instructors: William Dzwierzynski, MD; L. Andrew Koman, MD; Marilou Rubright, MS, OT/L, CHT

Evolving research is beginning to explain the complex pathways related to pain and its perception. Learn to recognize regional pain syndrome and review the current understanding of the pathophysiology and how it relates to the wide array of symptoms seen in patients. Evolving treatments and future directions will be addressed.

Objectives:
1. Recognize complex regional pain syndrome and describe the mechanisms behind the symptoms
2. Describe treatment strategies (pharmacologic, therapy, and surgical)

Patient safety

106 Nerve Transfer Strategies
Chair: Thomas Tung, MD
Instructors: Allen Bishop, MD; Christine Novak, PT, MS, PhD(c)

This course will review the latest understanding of the limitations of nerve regeneration and muscle reinnervation and highlight the most recent advances in nerve transfer reconstruction. Indications and decision making will be illustrated to define the role and functional outcomes of established and more recently developed nerve transfers. Appropriate patient selection, management of complications, and the role of the hand therapist and rehabilitation in improving outcomes of nerve reconstruction techniques will be discussed.

Objectives:
1. Discuss the basic and latest concepts of nerve biology and regeneration and muscle reinnervation and function
2. Practice with sharpened decision making skills to integrate traditional techniques of nerve repair and reconstruction with newer techniques of nerve repair

Patient safety

107 Distal Radius Fracture: The New and Old
Chair: Steven Haase, MD
Instructors: Jesse Jupiter, MD; David Dennison, MD; Nancy Davidson, MOTR/L

This course will provide an evidence-based approach to the treatment of distal radius fractures, reviewing the process from patient selection through postoperative rehabilitation. Instructors will discuss changes to their current practices based on their interpretation of evidence evolving over the past several years. A variety of patient safety issues will be discussed, including appropriate patient selection, avoidance and treatment of complications, and appropriate use of medical devices.

Objectives:
1. Correctly decide which distal radius fractures require fixation and understand how to avoid complications with internal fixation of distal radius fractures
2. Describe strategies for management of unusually complex distal radius fractures and necessary elements in a postoperative rehabilitation program

Patient safety

108 Bioskills Session: Collagenase Injection and Manipulation Training
Chair: A. Lee Osterman, MD
Instructors: Lawrence Hurst, MD; Mark Belaky, MD; Edward Axelman, MD

This course will present the current state of Dupuytren’s diagnosis and treatment. It will offer training in the new techniques of non-operative collagenase injection and manipulation presenting its indications, methods and potential complications.

Objectives:
1. Determine the indications for collagenase injection of Dupuytren’s contracture
2. Describe the technique of collagenase injection and correction of Dupuytren’s contracture and identify potential complications and avoidance strategies

Scientific Paper Session A1: Policy, Dupuytren’s, Flexor Tendon

9:45 - 10:45am

Moderator: David Smith, Jr., MD
Co-moderator: Steven Haase, MD

Institution where the work was prepared: Cleveland Clinic, Cleveland, OH, USA
Chad R. Gordon, DO; A. M. Altij; J. Guthrie; P. Evans; M. Hendroikson; S. Bernard; J. E. Zins

9:50am – 9:55am Perspectives on Hand Transplantation: Knowledge and Attitudes of an Expert Group
Institution where the work was prepared: University of Western Ontario, London, ON, Canada
Agnieszka Hassa, MD, BSc; Douglas C. Ross, MD, MEd, FRCSC; Claire L. Temple, MD, MEd, FRCSC

9:55am – 10:00am The Addition of an Upper-Extremity Curriculum in Medical School Education and Its Assessment
Institution where the work was prepared: Harvard Medical School, Boston, MA, USA
Christine S. Ahn; Charles S. Day

10:00am – 10:05am Policy Discussion

10:05am – 10:10am Case-Controlled Peri-operative Bone-Marrow Mediated Fibrocyte Function in Patients with Dupuytren’s Contracture
Institution where the work was prepared: University of Virginia, Charlottesville, VA, USA
Christopher A. Campbell; Marie Burdick; Angelo Dacus; Raymond Morgan; Robert Steiner

10:10am – 10:15am Clostridial Collagenase for the Treatment of Joint Contractures Caused by Advanced Dupuytren’s Disease
Institution where the work was prepared: Auxilium Pharmaceuticals, Malvern, PA, USA
Catherine Curtin, MD; Nash Naam, MD
AAHS Session B
Panel: Management of Hand Injuries in Athletes
9:00 - 9:45am
Moderator: Dean Sotereanos, MD
Invited Panelists: Daniel Nagle, MD; Paul Brach, PT, CHT
Scientific Paper Session B1: Distal Radius, Nerve, Finger
9:45 - 10:45am

9:45am – 9:50am
Minimally Invasive Plate Osteosynthesis (MIPO) for Distal Radius Fractures with a Volar Locking Plate
Institution where the work was prepared: Komaki City Hospital, Komaki, Japan
Naoya Takada

9:50am – 9:55am
Complications of Low-Profile Dorsal and Volar Locking Plates in the Distal Radius: A Comparative Study
Institution where the work was prepared: Beth Israel Deaconess Medical Center, Boston, MA, USA
YangYang Yu, AB; Melvin C. Mahnhi; Tamara D. Rzecztal; George Mundenhamram, MD; Charles S. Day

9:55am – 10:00am
Ulnar Styloid Fractures – Do They Have to be Fixed?
Institution where the work was prepared: Christine M Kleinert Institute for Hand & Microsurgery, Louisville, KY, USA
M. Fazlur Rahman, MD; Tolga Turkler; Nicholas Reynolds, BA; Ibrahim Kaltche; Sunil M. Thirkanad, MD, Orth

10:00am – 10:05am
Distal Radius Fractures Treated with Pinning and a Non-Bridging External Fixator, the Cross-Pin Fixation System
Institution where the work was prepared: Afher Minza, 290 East Main Street Suite 200, NY, USA
Afher Minza, MD; Mary Kate Reinhart, MS, CNP; Patricia Meyer

10:05am – 10:10am
Distal Radius Discussion

10:10am – 10:15am
Accessory Nerve Transfer: Avoiding Common Mistakes
Institution where the work was prepared: The Medical College of Wisconsin, Milwaukee, WI, USA
Jg Yan, MD; Hari S. Matloub; James R. Sanger

10:15am – 10:20am
Reconstruction of Peripheral Nerve Injuries with Processed Nerve Allograft for Sensory Defects in the Upper and Lower Extremity
Institution where the work was prepared: Steadman-Hawkins Clinic, Vail, CO, USA
Randal W. Viola, MD

10:20am – 10:25am
Nerve Discussion

10:25am – 10:30am
Distal Interphalangeal Joint Arthrodesis with the Herbert Headless Compression Screw
Institution where the work was prepared: The Ohio State University Hospitals, Columbus, OH, USA
Engun Kocak, MD, MS, Raymond J. Kobus, MD

10:30am – 10:35am
Capsulodesis of the Metacarpophalangeal Joint of the Thumb for the Treatment of Hyperextension Deformity in Association with Basal Joint Arthritis
Institution where the work was prepared: Columbia University Medical Center, New York, NY, USA
Iioannis C. Zouzias, MD; Akin Uzumcuoglu; Melvin P. Rosenwasser

10:35am – 10:45am
Finger Discussion
Panel: What is New for the DRUJ?
11:30am - 12:30pm
 Moderator: Richard Berger, MD, PhD
Invited Panelists: Jennifer Moriatis-Wolf, MD; Jorge Orbay, MD
This session will provide specific information at a basic and intermediate level about the current understanding of DRUJ anatomy and mechanics, injury patterns, functional classifications, and safe, reliable treatment techniques.
Objectives:
1. Perform a stability examination of the DRUJ
2. Describe the relationship between distal radius fractures and DRUJ instability

Panel: Evidence in Treating Scaphoid Fractures and Nonunions
1:30 - 2:30 pm
Moderator: Elizabeth Ouellette, MD
Invited Panelists: William Geissler, MD; Eric Hofmeister, MD; Scott Duncan, MD
Panelists will discuss when acute scaphoid fractures should be operated on, length of immobilization, approaches to the scaphoid, and bone grafting to nonunions. Appropriate patient selection and complications avoidance and management will be discussed.
Objectives:
1. Discuss current treatment options of scaphoid fractures with or without nonunion

AAHS Instructional Courses
3:00 - 4:00pm
1 AMA PRA Category 1 Credit™

109 Financial Strategies for Physicians in an Unstable Banking Environment
Instructor: Grant Conway, President, Physicians National Bank
The current credit crisis has diluted or eliminated traditional financing strategies for physicians and their business interests. This discussion will focus on the state of the banking environment with an emphasis on best practices for financing and refinancing student loans, medical malpractice insurance, surgical centers, specialty hospitals and practice financing.
Objectives:
1. Discuss the local and national healthcare financing environment
2. Evaluate current and future financing needs with the objective to structure or restructure most effectively
3. Describe the banking climate as it relates to pending or future business projects

110 Life Financial Goals for Physicians and Their Practices
Instructor: Jeff Palmer, Morgan Stanley Smith Barney
Physicians and therapists are busy individuals that often lack the time to do investment planning with a trusted advisor, and often get “sold” expensive products without a proper plan. This discussion will address many of the needs physicians and therapists have for investment planning to help reduce income taxes and avoid costly pitfalls of insurance that many physicians and therapists are sold. The course will also address practice related issues such as retirement plans for their individual practice or institution.
Objectives:
1. Discuss effective techniques for building retirement savings more quickly and safely
2. Address having a retirement plan that will help retain and attract the best employees and importantly, make sure the plan is compliant with Federal guidelines
3. Discuss alternative investment strategies to combat the dynamic ever-changing global economy

6:00 - 9:00pm AAHS Presidential Dinner (Invitation Only)
Supported by Auxilium Pharmaceuticals, Inc.:
## Day-at-a-Glance
### Friday, January 8, 2010

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<td>112 Management of Fractures and Dislocations About the Elbow</td>
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<td>114 Bioskills Session: Surgical Strategies in Distal Radius Fracture Fixation: Hands-On Workshop</td>
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<td>115 Bioskills Session: Updated Fixation Techniques for Distal Radius Fractures</td>
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<td>Session A Panel: Update on Outcomes Research in Hand Surgery</td>
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<td>9:15am – 10:15am</td>
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<td>Scientific Paper Session B2: Tendinitis, Bone, Replantation</td>
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<td>10:45am – 11:15am</td>
<td>Scientific Paper Session A3: Nerve Compression, Trapezium</td>
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<td>Scientific Paper Session B3: Congenital and Nerve II</td>
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AAHS Instructional Courses

Friday, January 8, 2010

7:00 - 8:00am

1 AMA PRA Category 1 Credit™

111 Treatment of Ulnar Sided Wrist Pain
Chair: Brian Adams, MD
Instructors: Jeffrey Greenberg, MD; Marco Rizzo, MD
A review of the most pertinent anatomy and best imaging techniques for evaluation will provide the basis for applying the best available treatments, including new technologies, for the management of ulnar sided wrist pain.

Objectives:
1. Assess the available imaging methods for optimal diagnosis and cost in the evaluation of ulnar sided wrist pain
2. Review current surgical procedures, including arthroscopy and implants, and the most effective rehabilitation program for non-operative and operative management

Patient safety = .75

112 Management of Fractures and Dislocations About the Elbow
Chair: Peter Murray, MD
Instructors: Neal Chen, MD; Georgette Fogg, OT/L, CHT
This course will provide a comprehensive review of fractures and acute ligamentous injuries of the elbow. A detailed analysis of distal humerus fractures, radial head fractures, and olecranon fractures will be given. The course will conclude with a discussion of elbow dislocation and acute ligamentous instability. Appropriate patient selection and avoidance and management of complications will be emphasized.

Objectives:
1. Assess and evaluate complex fractures and instabilities of the elbow
2. Describe new techniques for internal fixation
3. Construct a surgical plan for these injuries

Patient safety = .25

113 Current State of Kienbock’s Disease Treatment
Chair: Kyle Bickel, MD
Instructors: Jeffrey Friedrich, MD
Review the pathophysiology of Kienbock’s Disease and approaches to accurately diagnose and stage the disease. The evidence regarding available treatment strategies will be reviewed with the goal of developing useful treatment parameters for each stage of the disease and identifying the need for further studies. Clinical examples will be shown to instruct the participants in several operative approaches and review outcomes.

Objectives:
1. Accurately stage Kienbock’s Disease and determine an appropriate treatment algorithm based on diagnostic criteria and patient-specific factors

114 Bioskills Session: Surgical Strategies in Distal Radius Fracture Fixation – A Hands-on Workshop
Chair: Randip Bindra, MD
Instructors: David Bozentka, MD; Jaiyoung Ryu, MD
This workshop will present advanced techniques and pitfalls of internal/external fixation. Participants will perform plating and external fixation techniques to treat this common injury in a sawbone model.

Objectives:
1. Select appropriate technique for distal radius fracture fixation based on injury pattern and patient expectations
2. Explain risks and benefits of volar and dorsal plating and external fixation of distal radius fractures
3. Demonstrate ability to apply internal or external fixation in a sawbone model

Supported by educational grants from Medartis and AM Surgical.

medartis® AM® Surgical

115 Bioskills Session: Updated Fixation Techniques for Distal Radius Fractures
Chair: Scott Kozin, MD
Invited Instructors: Miguel Priela-Cruz, MD; A. Lee Osterman, MD; Gary Schwartz, MD
This course will discuss the operative treatment of pediatric distal radius fractures, fragment-specific fracture fixation of distal radius fractures, an innovative approach to radial column fixation of distal radius fractures, and techniques and pearls for volar fixation for distal radius fractures.

Objectives:
1. Distinguish the various radiographic parameters that require operative fixation after distal radius fractures
2. Describe the indications for open reduction and internal fixation for distal radius fractures
3. Compare and contrast various surgical techniques for operative treatment of radius fractures and define the factors that lead to a successful outcome

Supported by an educational grant from TriMed, Inc.
10:45 - 11:15am

**Scientific Paper Session A3: Nerve Compression, Trapezium**

**Moderator:** Wyndell Merritt, MD

**Co-Moderator:** Robert C. Chadderton, MD

**10:45am – 10:50am**

**Decompression of the Ulnar Nerve with an Endoscopic Approach**

*Institution where the work was prepared: Allegheny General Hospital, Pittsburgh, PA, USA*

Ather Mirza, MD; Cunfeng F. Pu; George Small; Robert Weiser; Dean G Sotereanos

**10:50am – 10:55am**

**Assessment of Processed Porcine Extracellular Matrix as a Protective Barrier in a Rabbit Nerve Wrap Model**

*Institution where the work was prepared: Allergy Gen Hospital, Pittsburgh, PA, USA*

Zimon T. Kokkalis, MD; Cunfeng F. Pu; George Small; Robert Weiser; Dean G Sotereanos

**10:55am – 11:00am**

**Nerve Compression Discussion**

**11:00am – 11:05am**

**Trapeziectomy with and without Ligament Reconstruction and Tendon Interposition for Osteoarthritis of the Trapeziometacarpal Joint: A Systematic Review**

*Institution where the work was prepared: Singapore General Hospital, Singapore, Singapore*

Ron Hazani, MD; Josh Elston, BS; Darell Brooks, MD; Bradon J. Wilhelm, MD

**11:05am – 11:10am**

**Thumb Carpometacarpal Osteoarthritis: Trapeziectomy Versus Trapeziectomy With PI2 Arthroplasty**

*Institution where the work was prepared: Sunderland Royal Hospital, Sunderland, United Kingdom*

Michael Maru, MD; Prithie Jettoo

**11:10am – 11:15am**

**Trapezium Discussion**

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**Danyo Lecture: Transformation of Medical Education and Transformation of Health Care – A Critical Link**

**Lecturer:** Richard Berger, MD

As the healthcare crisis in the US worsens, it is apparent that substantial changes are necessary. Along with this is a need to dramatically change the manner in which healthcare professionals stay current with valid, evidence-based information. This information must be reflected on and implemented in a manner to improve competence, performance in patient outcomes, and objectively evaluate for effectiveness.

**Objectives:**

1. Discuss the transparency of competence
2. Describe means of directed self learning and define adult learning steps

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**AAHS Session B**

**Panel: Advances in the Treatment of the RA Hand**

**8:30 - 9:15am**

**Moderator:** W.P. Andrew Lee, MD

**Invited Panelists:** Robert Goitz, MD; Vincent R. Hentz, MD; Ann Lund, OTR, CHT

The panel will present expert opinions on management of common rheumatoid hand conditions, including conservative versus operative treatment, surgical pearls, and postoperative rehabilitation. Emphasis will be placed on review of evidence, or lack thereof, supporting current practice.

**Objectives:**

1. Discuss updates on the treatment approaches of expert surgeons and therapists in common rheumatoid conditions

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**Scientific Paper Session B2: Tendinitis, Bone, Replantation**

**9:15 - 10:15am**

**Moderator:** Scott Kozin, MD

**Co-moderator:** Mary Nordlie, MS, OT, CHT

**9:15am – 9:20am**

**Drilling for Epicondylitis**

*Institution where the work was prepared: Baptist Medical Center, Jacksonville, FL, USA*

John Drewniany, MD

**9:20am – 9:25am**

**Evaluation of a Novel Suture, Fiberloop, Using Locking and Nonlocking Tendon Repair**

*Institution where the work was prepared: Vanderbilt University Medical Center, Nashville, TN, USA*

Michael Cash, MD; Joseph M. Sherrill, MD; Thanapong Waiyawinyu; Thomas Hunt, MD; R. Bruce Shack, MD; Wesley P. Thayer

**9:25am – 9:35am**

**Tendinitis Discussion**

**9:35am – 9:40am**

**Osteotomy of the 1st Metacarpal with Trapezioplasty: An Alternate Treatment for Rhizarthrosis**

*Institution where the work was prepared: The Hand Institute, Miami, FL, USA*

Jorge L. Orbay, MD; Igor R Indriago

**9:40am – 9:45am**

**Diagnostic Value of DRUJ Arthroscopy**

*Institution where the work was prepared: Dept. of Orthopaedic Surgery, School of Med., Keio Univ., Tokyo, Japan*

Toshiyasu Nakamura, MD, PhD; K Sato; M. Okazaki; Y Toyama; H Iegami

**9:45am – 9:50am**

**Bone Discussion**

**9:50am – 9:55am**

**Bridging the Gap in Hand Replantation: The Use of the Common Digital Artery**

*Institution where the work was prepared: University of Louisville, Louisville, KY, USA*

Ron Hazani, MD; Josh Elston, BS; Darell Brooks, MD; Bradon J. Wilhelm, MD

**9:55am – 10:00am**

**A Single Institution Experience of Hand Surgery Litigation in a Major Replantation Center**

*Institution where the work was prepared: NYU / Bellevue Hospital, New York, NY, USA*

Nicholas Batiscan; Geo Tabbal; Sheryl Sharma

**10:00am – 10:05am**

**The Prevalence of Multiple Diagnoses in the Upper-Extremity**

*Institution where the work was prepared: Beth Israel Deaconess Medical Center, Boston, MA, USA*

Christine S. Ahn; Brian S. Ahn; Yangyang Yu, AB; Melvin C. Makhni; Charles S. Day

**10:05am – 10:15am**

**Replantation Discussion**

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**Scientific Paper Session B3: Congenital and Nerve II**

**10:45 - 11:15am**

**Moderator:** James Hoehn, MD

**Co-Moderator:** Susan Michlovitz, PT, PhD, CHT

**10:45am – 10:50am**

**Long Term Follow-up of the Treatment of Triphalangeal Thumb**

*Institution where the work was prepared: ErasmusMC University, Rotterdam, Netherlands*

Steven E.R. Hovius, Professor; Michiel Zuidam, MD; Ruud Selles

**10:50am – 10:55am**

**What Is the Risk of Fanconi Anemia in Children with Thumb and Radius Anomalies?**

*Institution where the work was prepared: Children’s Hospital Boston and Harvard Medical School, Boston, MA, USA*

Heather Rosen, MD, MPH; Michelle L. Webb, BS; Amir H. Taghinia, MD; Joseph Upton, MD; Brian I. Labow, MD

**10:55am – 11:00am**

**Congenital Discussion**

**11:00am – 11:05am**

**Detecting Sensory Signal in Peripheral Nerve by Intravascular Electrodes with Pressure Manipulation in Rats**

*Institution where the work was prepared: Johns Hopkins University School of Medicine, Baltimore, MD, USA*

Xiaofeng Jia, MD; PhD; Andrew Y. Kim; Youngsook Choi; Gehua Zhen, MD; Nitish V. Thakor; Dawn LaPorte; Gene Deune
AAHS Instructional Course
Comprehensive Hand Surgery Review Course
1:00 - 5:20pm
4 AMA PRA Category 1 Credits™

Chair: Peter Jebson, MD

Course Overview: The faculty of the Comprehensive Hand Surgery Review Course will provide an overview of the relevant subject material that is assessed on board examinations, the certificate of added qualification in hand surgery certification examination, and resident in-training examinations.

Learning Objectives:
1. Discuss non-operative and operative treatment approaches for various commonly encountered disorders of the hand and wrist
2. Practice with an enhanced understanding of the indications for surgical treatment, the post-operative rehabilitation, expected outcomes, and potential complications of the most common bone, joint, nerve, and soft tissue disorders involving the hand and wrist
3. Practice with an improved knowledge regarding the etiology, clinical presentation, physical examination findings, and diagnostic imaging features of various common disorders of the hand and wrist
4. Practice with an improved competency with respect to recognizing various uncommon and/or unusual clinical conditions of the hand and wrist including; tumors, infections, and congenital differences

Patient safety

Tumors of the Hand and Wrist
1:00 - 1:20pm
Edward Athanasian, MD

This talk will discuss the clinical and diagnostic imaging features, histopathology, and treatment principles for the most common benign and malignant bone and soft tissue tumors affecting the hand and wrist.

Compressive Neuropathies & CRPS
1:20 - 1:40pm
Christopher Pederson, MD

In this lecture carpal tunnel syndrome and cubital tunnel syndrome will be reviewed. Physical examination and diagnostic modalities will be reviewed. The last portion of the presentation will review the diagnosis, treatment, and long term sequelae of complex regional pain syndrome.

Thumb Basal Joint Arthritis and Inflammatory Arthritis
1:40 - 2:00pm
Gregory Merrell, MD

This lecture will address the fundamentals of diagnosis and treatment for thumb basal joint arthritis, as well as an overview of rheumatoid arthritis and inflammatory arthritis of the hand and wrist. Critical success factors necessary to obtain favorable outcomes will be emphasized.

Distal Radius Fractures
2:00 - 2:20pm
David Bozentka, MD

The diagnosis and management of distal radius fractures will be reviewed. Specific attention will be given to outcome based research in determining the best treatment for specific fracture types. Finally, a review of malunion management will be provided.

Distal Radioulnar Joint (DRUJ)
2:20 - 2:40pm
Peter Jebson, MD

A comprehensive review of disorders of the DRUJ including the clinical evaluation, diagnostic imaging options and interpretation, and indications for operative versus non-operative treatment.

Scaphoid Fractures and Non-Unions, Kienbocks Disease
2:40 - 3:00pm
Robert Goitz, MD

A review of the clinical features, diagnostic challenges, operative and non-operative treatment options, and a contemporary approach to the patient with acute scaphoid fracture or established non-union. The talk will also provide an overview to the diagnosis and treatment of Kienbock’s disease.

Carpal Instability, Wrist Arthritis
3:00 – 3:20pm
Jose Ortiz, Jr., MD

A review of the anatomy and mechanics of the wrist as it relates to carpal instability, including a review of the diagnostic and treatment of common patterns of instability. This talk will also review the management of common patterns of wrist arthritis which develop from long-standing carpal instability.

Fractures of the Metacarpals and Phalanges
3:40 - 4:00pm
Jerome Chao, MD

Metacarpal and phalangeal fractures are among the most common injuries seen in the hand. A thorough review of the anatomy and biomechanics of these injuries will be provided. The treatment choices of closed management, percutaneous pinning, plate fixation, and intramedullary rodding will be reviewed along with their technical nuances.

Flexor & Extensor Tendon Injuries
4:00 - 4:20pm
Loree Kalliainen, MD

This presentation will review the principles of the evaluation of the patient with an extensor or flexor tendon injury in the hand. The technical aspects of tendon repair will be discussed as well as the biomechanical rationale behind the development of the current post-operative rehabilitation protocols. The basic science of tendon healing will be outlined.

Infections of the Hand
4:20 - 4:40pm
E. Gene Deune, MD

This lecture will involve a comprehensive review of infections of the hand with up to date information regarding the clinical features and treatment principles such that participants will feel more comfortable treating patients with these maladies.

Congenital Hand Differences
4:40 - 5:00pm
Robert Havlik, MD

This talk will review the most common congenital hand differences of the upper extremity including the embryology, diagnosis, and treatment. Associated syndromes will be reviewed along with long-term outcomes, and associated complications.

Tendonopathies and Dupuytren’s Contracture
5:00 - 5:20pm
Miguel Pirela-Cruz, MD

Tendonopathies of the hand and wrist and Dupuytren’s contracture are among the most common problems seen in hand surgery. An overview of the pathophysiology of these conditions will be provided as well as specific non-operative and operative treatment recommendations.

AAHS Awards Dinner and Dance
7:00 - 10:00pm
## DAY-AT-A-GLANCE
### Saturday, January 9, 2010

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<td>AAHS Digital Poster Viewing</td>
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<td>7:00am – 8:00am</td>
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<td>202 Endoscopic Cubital and Carpal Tunnel Release</td>
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<td>203 Advances in Brachial Plexus Paralyses Reconstruction</td>
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<td>204 Current Approaches to Functional Muscle Transfer to the Extremity Following Nerve Injury</td>
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<td>205 Intraoperative Neurophysiology</td>
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<td>9:30am – 9:45am</td>
<td>AAHS/ASPN/ASRM Presidents Welcome</td>
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<td>9:45am – 11:00am</td>
<td>AAHS/ASPN/ASRM Joint Presidential Keynote Lecture and Panel: The Surgeon’s Role in Global Health Paul Farmer, MD, PhD</td>
<td>Royal Palm 1-5</td>
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<td>11:00am – 12:00pm</td>
<td>AAHS/ASPN/ASRM Joint Outstanding Papers</td>
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American Association for Hand Surgery

Saturday, January 9, 2010

6:30 - 7:00am  Continental Breakfast with Exhibits

AAHS/ASPN/ASRM Instructional Courses
7:00 - 8:00am

1  AMA PRA Category 1 Credit™

201  Congenital Hand Differences: How I Do It
Chair: Amit Gupta, MD
Instructors: David Netscher, MD; Peggy Boinne, OTR, CHT

202  Endoscopic Cubital and Carpal Tunnel Release
Chair: M. Ather Mirza, MD
Instructors: Daniel Nagle, MD; Tyson Cobb, MD

This course will focus on two major nerve compression syndromes of the upper extremity. Areas of entrapment, treatment methodologies, surgical technique, research results, and related patient safety issues will be discussed.

Objectives:
1. Accurately assess and determine the degree of injury associated with an incomplete injury
2. Determine the appropriate management of the partially injured nerve

Patient safety

203  Advances in Brachial Plexus Paralyses Reconstruction
Chair: Susan Mackinnon, MD
Instructors: Gregory Borschel, MD; Ida Fox, MD

This session will describe physical examination of patients with both upper and lower brachial plexus injuries, while interpreting key points of the physical examination and electrodiagnostics studies will be discussed. Surgical management of upper and lower brachial plexus injuries will be presented including nerve grafts, nerve transfer, and tendon transfers.

Objectives:
1. Evaluate and manage patients with brachial plexus injuries
2. Identify a specific algorithm for surgical treatment of both upper and lower plexus injuries using combinations of nerve graft, nerve transfer, and tendon transfers

204  Current Approaches to Functional Muscle Transfer to the Extremity Following Nerve Injury
Chair: Neil F. Jones, MD
Instructors: Allen Bishop, MD; Milan Stevanovic, MD; Gregory Dumanian, MD

This course will discuss the indications, patient selection and surgical techniques for tendon transfers to restore wrist flexion and extension; and functioning free muscle transfers to restore extrinsic flexor and extensor muscle function in the forearm; and reconstruction of biops and triops muscle function in the upper arm to restore elbow flexion and extension. Attendees will also be introduced to the evolving techniques of using multiple nerve transfers for targeted re-innervation of muscles to control myoelectric upper extremity prosthesis.

205  Intraoperative Neurophysiology
Chair: David Houlden, PhD
Instructors: Leo Happel, PhD; Allen Van Beek, MD

Intraoperative neurophysiologic studies (nerve action potentials, stimulus evoked EMG, somatosensory evoked potentials and others) can help improve decision making during a variety of nerve operations, yet they are often under used. The rationale and technical considerations (including pitfalls) for neurophysiologic studies will be explained in classical and case studies. Practical applications will be emphasized.

Objectives:
1. Describe the rationale and methods of assessing functional integrity of nerve during surgery
2. Identify methods for nerve localization and nerve protection during surgery

206  Obstetric Brachial Plexus Lesions
Chair: Martijn Malëssy, MD; Wiliem Pondaag, MD

All aspects concerning primary nerve surgery for infants with an obstetric brachial plexus lesion will be discussed, including pre-operative and intra-operative assessment strategies for the severity of the lesion. Nerve surgical reconstruction schemes and results will be provided.

Objectives:
1. Describe the early selection process for nerve surgery
2. Explain the pros and cons of preoperative and intraoperative ancillary investigations
3. Set up a nerve surgical reconstruction plan for different types of lesions

AAHS/ASPN/ASRM Joint Panel: Partial Nerve Injuries – Clinical Dilemmas
8:15 - 9:15am

Moderator: Allen Van Beek, MD
Invited Panels: Susan Mackinnon, MD; Peter Amadio, MD; Thomas Trumble, MD; L. Scott Levin, MD; Christine Novak, PT, MS, PhD(c)

This panel will focus on the diagnosis and management of difficult partial nerve injuries associated with sharp, blunt, tearing, electroutocion and multiple pellet injuries. The partially injured nerve presents the surgeon with difficult dilemmas regarding diagnosis, timing of repairs and method used for the surgical intervention. The panelists will discuss their experiences with the partially injured nerves and will discuss some cases presented by the moderator for their treatment suggestions.

Objectives:
1. Accurately assess and determine the degree of injury associated with an incomplete injury
2. Determine the appropriate management of the partially injured nerve

Patient safety

9:15 - 9:30am  Break with Exhibits

AAHS/ASPN/ASRM Joint Presidential Keynote Lecture and Panel:
The Surgeon’s Role in Global Health
9:45 - 11:00am

Moderators: Nicholas B. Vedder, MD, FACS
Panelists: Howard M. Clarke, MD, PhD; William A. Zamboni, MD
Invited Lecturer: Paul Farmer, MD, PhD

Dr. Farmer is a medical anthropologist and physician and holds an M.D. and PhD from Harvard University. He is Maude and Lillian Presley Professor of Social Medicine in the Department of Global Health and Social Medicine at Harvard Medical School, where he is also Chair, and a founding director of Partners In Health, an international non-profit organization that provides direct health care services and undertakes research and advocacy activities on behalf of those who are sick and living in poverty.

Dr. Farmer’s work draws primarily on active clinical practice and focuses on community-based treatment strategies for infectious diseases in resource-poor settings, health and human rights, and the role of social inequalities in determining disease distribution and outcomes. He is Chief of the Division of Global Health Equity at Brigham and Women’s Hospital (BWH) in Boston, and served for ten years as medical director of a charity hospital, the Hôpital Bon Sauveur, in rural Haiti. Dr. Farmer is a leader in global health.

AAHS/ASPN/ASRM Joint Outstanding Papers
11:00 - 12:00pm

AAHS Outstanding Papers
11:00am - 11:07am  AlloMatrix Demineralized Bone Graft in a Distal Radial Fracture Model. A Prospective Randomized Controlled Clinical Trial
Institution where the work was prepared: Cliniques Universitaires St-Luc, Brussels, Belgium
Priscilla d’Agostino, MD; Olivier JRG Barbier
11:07am - 11:14am  Long-Term Evaluation of Pyrolytic Carbon Implant Arthroplasty in the Proximal Interphalangeal Joint of the Hand
Institution where the work was prepared: Mayo Clinic, Rochester, MN, USA
Chun-Cheng Hsu; Steven Moran; Marco Rizzo, MD; Robert D. Beckenbaugh
11:14 – 11:20am  Discussion

ASPN Outstanding Papers
11:20 – 11:27am  A Peripheral Nerve Repair Model Using IRMI in Rats
Institution where the work was prepared: Medical College of Wisconsin, Milwaukee, WI, USA
Maida A. Perkins, MD, MS; Rupeng Li, MD; Christopher P. Pawela, PhD; James S. Hyde, PhD; Ji-Geng Yan, MD, PhD; Hari S. Mathoub, MD
11:27am – 11:34am  Glial Cell Line-Derived Neurotrophic Factor Augments Preferential Motor Reinnervation in Transgenic Mice
Institution where the work was prepared: Washington University School of Medicine, St. Louis, MO, USA
Rahul Kasukurthi, BA; Biology; Ying Yan; Amy Moore; Wilson Z. Ray; Katherine Santosa; Daniel Hunter; Michael C. Nicolson, MD; Santoshi Kale, MD; Terence M. Miyakata, MD; Susan Mackinnon
11:34am – 11:40am  Discussion

ASRM Outstanding Papers
11:40am – 11:47am  Performasomes of the DIEP Flap: 3D, 4D CT Angiographic Studies of Lateral vs Medial Perforators
Corrine Wong, Schaub T, Mojailal A, Bailey S, Brown S and Saint-Cyr M, Department of Plastic Surgery, UT Southwestern Medical Center, Dallas, Texas
11:47am – 11:54am  A Clinical Report of Successful Composite Midfacial Allotransplantation
Bohdan Pomahac, Pribaz J, Anino D, Orgill DP, Sampson C, Eriksson E, Caterson S and Chun Y, (1)Plastic Surgery, Harvard Medical School, Brigham and Women’s Hospital, Boston, MA, (2)ENT, Harvard Medical School, Brigham and Women’s Hospital, Boston, MA
11:54am-12:00pm  Discussion
Intended Audience
The 2010 AAHS/ASPN/ASRM Combined Day is intended for healthcare professionals and researchers working in the fields of hand surgery, peripheral nerve and/or neural regeneration, and microneurovascular surgery and other complex reconstructions.

Overall Learning Objectives
At the end of this activity, participants should be able to:
- Discuss clinical and basic science research
- Summarize the intellectual discourses in an integrated program with the related surgical societies and resolve conflicts where possible

Educational Formats/Methodologies
- Original, outstanding research presented as papers contributed by the AAHS, ASPN and ASRM in an open session that will encourage audience participation
- Recognized experts presenting instructional courses and panels

Accreditation/Designation
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 American Society of Plastic Surgeons® and the American Association for Hand Surgery, the American Society for Peripheral Nerve and the American Society for Reconstructive Microsurgery. The American Society of Plastic Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

The American Society of Plastic Surgeons designates this educational activity for a maximum of 4.0 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Of the 4 credits, .5 have been identified as applicable to Patient Safety.

Patient Safety = .5

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<th>Session</th>
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<tr>
<td>AAHS/ASPN/ASRM Combined Day General Sessions</td>
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| AAHS/ASPN/ASRM Combined Day Instructional Courses
  • Courses 201 - 206                           | 1.0 each                                   |
| Total Credits an attendee can claim for the Combined Day: 4.0 AMA PRA Category 1 Credits™ |

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The views expressed and the subject material presented in the course of any activities sponsored by the American Association for Hand Surgery, American Society for Peripheral Nerve, and American Society for Reconstructive Microsurgery including lectures, seminars, instructional courses, or otherwise, represent the personal views of the individual participants and do not represent the opinion of the AAHS, ASPN, or ASRM. The Societies assume no responsibility for such views or materials, or implied, for the content of any Society sponsored presentations. Further, the Societies hereby acknowledge that while their broad purpose is to promote the development and exchange of knowledge pertaining, they do so only in the context of a private forum without making any representation to the public whatsoever. Accordingly the Societies declare that their primary purpose is to benefit only their members, and responsibility of the Societies for acts or omissions of Society members dealing with the public is hereby expressly disclaimed.

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American Association for Hand Surgery
American Society for Peripheral Nerve
American Society for Reconstructive Microsurgery
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All identified conflicts of interests have been resolved.

Disclosures of all Chairs, Co-Chairs, Speakers, Authors, Moderators, Reviewers, Committee Members, and other appropriate individuals:

- Tyson Cobb, MD is a Shareholder in American Hand Institute and Consultant to Integra Life Sciences.
- Priscilla D’Agostino, MD is a Recipient of financial support for the cost of the scientific study without any intellectual property from Wright Medical Technology.
- Chung-Chen Hsu, MD is a Consultant to Ascension; he is also a Recipient of royalties from Ascension.
- Susan Mackinnon, MD is a Recipient of royalties from Synovis.
- Ather Mirza, MD is an Advisor and Shareholder in A.M. Surgical, Inc.

The following Chairs, Co-Chairs, Speakers, Authors, Moderators, Reviewers, and other appropriate individuals reported they have no relevant financial relationships or affiliations to disclose:

- Peter Amadio, MD
- Allen Bishop, MD
- Peggy Boineau, OTR, CHT
- Gregory Borshel, MD
- Howard Clarke, MD, PhD
- Gregory Dumanian, MD
- Paul Farmer, MD, PhD
- Ida Fox, MD
- Amit Gupta, MD
- Leo Happel, PhD
- David Houlden, MD
- Neil F. Jones, MD
- Rahul Kasukurthi, MD
- L. Scott Levin, MD
- Martijn Malessy, MD, PhD
- Michael McGuire, MD
- Daniel Nagle, MD
- David Netscher, MD
- Christine Novak, PT, MS, PhD
- Maida Parkins, MD
- Bohdan Pomahac, MD
- Willem Pondaag, MD
- Thomas Trumble, MD
- Allen Van Beek, MD
- Nicholas Vedder, MD
- Corrine Wong, MD
- William Zamboni, MD

ASPS CME Committee/Education staff and involved AAHS, ASPN, ASRM staff members have no relevant financial relationships or affiliations to disclose.
American Association for Hand Surgery
American Society for Peripheral Nerve
American Society for Reconstructive Microsurgery

DAY-AT-A-GLANCE
Saturday, January 9, 2010

6:00am – 3:00pm Speaker Ready Room
6:30am – 5:30pm AAHS/ASRM Digital Poster Viewing
6:30am – 5:30pm Exhibits
6:00am – 4:00pm Meeting Services
6:30am – 7:00am AAHS/ASRM/ASPN Continental Breakfast with Exhibitors
7:00am – 8:00am AAHS/ASPN/ASRM Instructional Courses
8:15am – 9:15am AAHS/ASRM/ASPN Joint Panel:
Partial Nerve Injuries – Clinical Dilemmas
9:15am – 9:30am Break with Exhibits
9:30am – 9:45am AAHS/ASPN/ASRM Presidents Welcome
9:45am – 11:00am AAHS/ASPN/ASRM Joint Presidential Keynote Lecture and Panel:
The Surgeon’s Role in Global Health
Paul Farmer, MD, PhD
11:00am – 12:00pm AAHS/ASRM Joint Outstanding Papers
12:00pm – 5:00pm ASRM Master Series
12:30pm AAHS/ASRM Golf Tournament
1:30pm – 5:30pm ASPN Programming
5:00pm – 6:00pm Young Micorsurgeons Reception (Invitation only)
6:00pm – 8:00pm ASPN/ASRM Welcome Reception
AAHS/ASPN/ASRM Instructional Courses

7:00 - 8:00am

201 Congenital Hand Differences: How I Do It
Chair: Amit Gupta, MD
Instructors: David Netscher, MD; Peggy Boineau, OTR, CHT

202 Endoscopic Cubital and Carpal Tunnel Release
Chair: M. Alier Mirza, MD
Instructors: Daniel Nagle, MD; Tyson Cobb, MD
This course will focus on two major nerve compression syndromes of the upper extremity. Areas of entrapment, treatment methodologies, surgical technique, research results, and related patient safety issues will be discussed.
Objectives:
1. Identify the diagnostic methodology for cubital tunnel syndrome and carpal tunnel syndrome
2. Discuss the surgical techniques and outcomes of endoscopic cubital tunnel release and endoscopic carpal tunnel release

203 Advances in Brachial Plexus Paralyses Reconstruction
Chair: Susan Mackinnon, MD
Instructors: Gregory Borschel, MD; Ida Fox, MD
This session will describe physical examination of patients with both upper and lower brachial plexus injuries, while interpreting key points of the physical examination and electrodiagnostics studies will be discussed. Surgical management of upper and lower brachial plexus injuries will be presented including nerve grafts, nerve transfer, and tendon transfers.
Objectives:
1. Evaluate and manage patients with brachial plexus injuries
2. Identify a specific algorithm for surgical treatment of both upper and lower plexus injuries
3. Using combinations of nerve graft, nerve transfer, and tendon transfers

204 Current Approaches to Functional Muscle Transfer to the Extremity Following Nerve Injury
Chair: Neil F. Jones, MD
Instructors: Allen Bishop, MD; Milan Stevanovic, MD; Gregory Dumanian, MD
This course will discuss the indications, patient selection and surgical techniques for tendon transfers to restore wrist flexion and extension; and function of forearm flexor and extensor muscle function in the forearm; and reconstruction of biceps and triceps muscle function in the upper arm to restore elbow flexion and extension. Attendees will also be introduced to the evolving techniques of using multiple nerve transfers for targeted re-innervation of muscles to control myoelectric upper extremity prostheses.

205 Intraoperative Neurophysiology
Chair: David Houdlen, PhD
Instructors: Leo Happel, PhD; Allen Van Beek, MD
Intraoperative neurophysiological studies (nerve action potentials, stimulus evoked EMG, somatosensory evoked potentials and others) can help improve decision making during a variety of nerve operations, yet they are often under used. The rationale and technical considerations (including pitfalls) for neurophysiological studies will be explained in classical and case studies. Practical applications will be emphasized.
Objectives:
1. Describe the rationale and methods of assessing functional integrity of nerve during surgery
2. Identify methods for nerve localization and nerve protection during surgery

206 Obstetric Brachial Plexus Lesions
Chair: Martijn Mallessy, MD; Willem Pondaag, MD
All aspects concerning primary nerve surgery for infants with an obstetric brachial plexus lesion will be discussed, including pre-operative and intra-operative assessment strategies for the severity of the lesion. Nerve surgical reconstruction schemes and results will be provided.
Objectives:
1. Describe the early selection process for nerve surgery
2. Explain the pros and cons of preoperative and intraoperative ancillary investigations
3. Set up a nerve surgical reconstruction plan for different types of lesions

AAHS/ASPN/ASRM Joint Panel: Partial Nerve Injuries – Clinical Dilemmas
8:15 - 9:15am
Moderator: Allen Van Beek, MD
Invited Panelists: Susan Mackinnon, MD; Peter Amadio, MD; Thomas Trumble, MD; L. Scott Levin, MD; Christine Novak, PT, MS, PhD(c)
Overview
After the completion of this program, participants will have an enhanced knowledge of the pathophysiology and the management of chronic pain, including the scope and application of surgical techniques used in treating different chronic pain syndromes and recurrent entrapment neuropathy.

Intended Audience
The 2010 ASPN Annual Meeting is intended for surgeons, researchers and other healthcare professionals working in disciplines related to peripheral nerve and/or neural regeneration.

Overall Learning Objectives
At the end of this activity, participants should be able to:
■ Describe and discuss the pathophysiology and the management of chronic pain
■ Analyze and discuss the different options of managing patients with recurrent entrapment neuropathy
■ Examine the emerging technologies in the management of nerve injuries
■ Explain and discuss new advances in understanding the concept of pain
■ Describe and discuss the evolving management of different pain syndromes

Educational Formats/Methodologies
■ Scientific presentations on current and recent advances in defining the concept of pain
■ Lectures from invited experts on specific topics related to the management of chronic pain syndromes
■ Panel discussions on new approaches to identifying and managing failed or recurrent entrapment neuropathies
■ Instructional courses on different topics related to nerve biology, pathophysiology and injury

Accreditation/Designation
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 American Society of Plastic Surgeons® and American Society for Peripheral Nerve. The American Society of Plastic Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

The American Society of Plastic Surgeons designates this educational activity for a maximum of 14 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

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<tr>
<th>Session</th>
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<tr>
<td>ASPN Annual Meeting General Session</td>
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<tr>
<td>(Including Ticketed Sessions): 14 AMA PRA Category 1 Credits™</td>
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Disclaimer
The views expressed and the subject material presented in the course of any activities sponsored by the American Society for Peripheral Nerve including lectures, seminars, instructional courses, or otherwise, represent the personal views of the individual participants and do not represent the opinion of the ASPN. The Society assumes no responsibility for such views or materials, or implied, for the content of any Society sponsored presentations. Further, the Society hereby acknowledges that while its broad purpose is to promote the development and exchange of knowledge pertaining to the peripheral nerve, it does so only in the context of a private forum without making any representation to the public whatsoever. Accordingly the Society declares that its primary purpose is to benefit only its members, and responsibility of the Society for acts or omissions of Society members dealing with the public is hereby expressly disclaimed.

Jointly Sponsored by

American Society of Plastic Surgeons
American Society for Peripheral Nerve
Disclosure Policy and Disclosures
The American Society of Plastic Surgeons (ASPS) requires all instructors, planners, reviewers, managers, and other individuals in a position to control or influence the content of an activity to disclose all relevant financial relationships or affiliations. All identified conflicts of interest must be resolved and the educational content thoroughly vetted by ASPS for fair balance, scientific objectivity, and appropriateness of patient care recommendations. ASPS also requires faculty/authors to disclose when off-label/unapproved uses of a product are discussed in a CME activity or included in related materials.

All identified conflicts of interest have been resolved.

Disclosures of all Chairs, Co-Chairs, Speakers, Authors, Moderators, Reviewers, Committee Members, and other appropriate individuals:

- Michael Dorsi, MD has reported that he has no relevant financial relationships or affiliations to disclose. He has also indicated that off-label/unapproved uses are included in his discussion of gabapentin and pregabalin agents used to treat neuropathic pain.
- Aaron Filler, MD is a Shareholder in NeuroGrafix.
- Christopher Frost, MD has reported that he has no relevant financial relationships or affiliations to disclose. He has indicated that off-label/unapproved uses are included in his discussion of the use of poly (3,4-ethylenedioxythiophene) (PEDOT) polymerized needle electrodes in in-vivo nerve conduction studies.
- Dong Geun Lee, MD is a Speaker at Chungbuk National University.
- Raphael Lee, MD has reported that he has no relevant financial relationships or affiliations to disclose. He has indicated that off-label/unapproved uses are included in his discussion of verapamil, a calcium antagonist used to degrade neurofibromas.
- Susan Mackinnon, MD is a Recipient of royalties from Synovis.
- Rajiv Midha, MD is a Recipient of Research Support from CIHR.
- Beata Przybyla, MD is a Speaker for Cleveland Clinic.
- Robert Spinner, MD is a Recipient of royalties for work licensed through Mayo Clinic to a privately held company for contributions related to the use of nerve signal modulation. Mayo clinic receives royalties and owns equity in this company. The company does not currently license or manufacture any drug or device in the medical field.
- Melanie Urbanchek, MD has reported that she has no relevant financial relationships or affiliations to disclose. She has indicated that off-label/unapproved uses are included in her discussion of rat decellularized nerve as scaffold for myoblast cell culture.
- Renata Weber, MD is a Consultant for Axogen.

The following Chairs, Co-Chairs, Speakers, Authors, Moderators, Reviewers and other appropriate individuals reported they have no relevant financial relationships or affiliations to disclose:

- Peter Amadio, MD
- James R. Bain, MD
- Allan Belzberg, MD
- Gregory Borschel, MD
- Keith Brandt, MD
- Grzegorz Brzezicki, MD
- Paul Cederna, MD
- Ming Chan, MD
- Abhishek Chatterjee, MD
- Jonathan Cheng, MD
- Howard Clarke, MD, PhD
- Mark Clemens, MD
- J. Henk Coert, MD, PhD
- M. James Cooper, MD
- Ivica Ducic, MD
- Brent Egeland, MD
- Gregory Evans, MD
- Rohit Garg, MD
- Amir Ghaznavi, MD
- Tessa Gordon, MD
- Riccardo Guinta, MD
- Leo Happel, PhD
- Keiko Hasegawa, MD
- Antony Hazel, MD
- Marie-Noelle Hebert-Blouin, MD
- David Houlden, MD
- Patrick Houvet, MD
- Jonathan Isaacs, MD
- Arkadiusz Jundzill, MD
- Rahul Kasukurthi, MD
- Stephen W.P. Kemp, MD
- James M. Kerns, MD
- Peter F. Kolz, MD
- Adil Ladak, MD
- L. Scott Levin, MD
- Jenny Lin, MD
- Keshav Magge, MD
- Martijn Malessy, MD, PhD
- Daniel Master, MD
- Michael McGuire, MD
- Antonio Merolli, MD
- Michael Nicoson, MD
- Christine Novak, PT, MS, PhD
- Michael Novikov, MD
- Maida Parkins, MD
- Willem Pondaag, MD
- Gennodij Raivich, MD, DSc
- L. E. Ramos, MA, OTR/L
- Wilson Ray, MD
- Brian Rinker, MD
- Shimon Rochkind, MD
- Andres Rodriguez, MD
- Nicholas Rose, MD
- Douglas Ross, MD
- Gedge Rosson, MD
- Katherine Santosa, MD
- Thomas Scholz, MD
- Kirsten Schroeder, MD
- James Shin, MD
- Annemieke Stokvis, MD
- Takehiko Takagi, MD
- Giorgio Terenghi, MD
- Julia Terzis, MD, PhD
- Sarah Walsh, MD
- Huan Wang, MD
- Joel Wietfeldt, MD
- Lynda Yang, MD, PhD
- Andrew Yee, MD

ASPS CME Committee/Education staff and involved ASPN staff members have no relevant financial relationships or affiliations to disclose.
American Society for Peripheral Nerve
DAY-AT-A-GLANCE
Friday, January 8, 2010

6:00am – 5:00pm  Speaker Ready Room  Veranda 2
6:30am – 6:00pm  Meeting Services  Royal Palm  Pre-Assembly
8:00am – 3:45pm  Exhibits  Royal Palm 6-10
9:45am – 12:00pm  ASPN Council Meeting  Veranda 3
12:30pm – 1:00pm  ASPN Business Meeting (Members Only)  Estate
1:00pm – 1:15pm  ASPN President and Program Chair Welcome  Estate
1:15pm – 1:45pm  Presidential Lecture:  The History of Obstetrical Brachial Plexus Palsy  Estate
1:45pm – 2:45pm  Scientific Paper Session 1: Topics in Clinical Nerve Research I  Estate
1:00pm – 3:45pm  ASPN Poster Viewing  Royal Palm 6-10
2:45pm – 3:25pm  Invited Lecture: The Making of Successful Axonal Regeneration: Genes, Molecules and Signal Transduction Pathways  Estate
3:25pm – 3:50pm  Joint AAHS/ASPN Break with Exhibits  Royal Palm 6-10
3:50pm – 5:00pm  Scientific Paper Session 2: Stem Cells and Regeneration  Estate
Friday, January 8, 2010

ASPN Council Meeting
9:45am - 12:00pm

ASPN Business Meeting
12:30 - 1:00pm

President and Program Chair Welcome
1:00 - 1:15pm

Howard Clarke, MD, PhD, ASPN President

Martijn Maleyss, MD, PhD, Program Chair

Presidential Lecture:
The History of Obstetrical Brachial Plexus Palsy
1:15 - 1:45pm

Howard Clarke, MD, PhD, ASPN President

Many physicians and researchers are unaware of the historical background of the area in which they work. A better understanding of this background can be both stimulating in and of itself and produce new insights. This lecture will review the history of obstetrical brachial plexus palsy and its treatment from the first recorded instance to the present era.

Objectives:
1. Discuss the historical context of the treatment of obstetrical brachial plexus palsy

Scientific Paper Session 1: Topics in Clinical Nerve Research I
1:45 - 2:45pm

Moderator: Howard Clarke, MD, PhD, ASPN President

Co-Moderator: Lynda Young, MD, PhD

1:45 - 1:50pm

Understanding the Pathogenesis of Carpal Tunnel Syndrome
Institution where the work was prepared: University of California, Irvine, Irvine, CA, USA
Antony Hazel, BS; Mary Bathen, Jason Kang, Tahseen Mozaffar; Ranjan Gupta

1:50pm - 1:55pm

Inter-relationships of Carpal Tunnel Syndrome with Body Mass Indices in the Massive Weight Loss Population
Institution where the work was prepared: University of Rochester Medical Center, Rochester, NY, USA
Peter F. Kolz, MD; Robert Fargione; Rui Chen; Susan Messing; Jeffrey A Gusenoff

1:55pm - 2:00pm

High-Resolution Ultrasonography of the Cutaneous Nerve Branches in the Hand and Wrist
Institution where the work was prepared: Erasmus University Medical Center, Rotterdam, Netherlands
Annemieke Stoelvis, MD, MSc; J.W. van Neck; C.F. van Dijke; A. van Wamel; J.H. Coert

2:00pm - 2:05pm

Discussion

2:05pm - 2:10pm

Evaluation of the Scratch Collapse Test in Peroneal Nerve Compression
Institution where the work was prepared: Washington University, St. Louis, MO, USA
Jonathan Cheng, MD; T. Justin Gillematter, MD; Susan E. Mackinnon, MD

2:10pm - 2:15pm

A Systematic Review of Surgical Treatments for Common Peroneal Nerve Injury
Institution where the work was prepared: McMaster University, Hamilton, Canada
Michael James Cooper, MD; Carolyn M. Levis Department of Surgery (Division of Plastic Surgery); Amitabh Chauhan McMaster University Medical School

2:15pm - 2:20pm

Obturator to Femoral Nerve Transfer
Institution where the work was prepared: Johns Hopkins, Baltimore, MD, USA
Allan J. Belzberg, MD, FRSCSC; Ashley Campbell; Frederick Eckhauser, MD; James Campbell, MD

2:20pm - 2:25pm

Discussion

2:25pm - 2:30pm

Determining the Zone of Peripheral Nerve Injury: Intraoperative Nerve Cuff Electrodiagnosis
Institution where the work was prepared: Metro Health Medical Center, Cleveland, OH, USA
Daniel Lee Master, MD; Nathan Bohnett, MS; Laura Armbruster, MS; Katie Polasek, MD; Dustin Tyler, PhD; Harry Hope, MD

2:30pm - 2:35pm

Objective Quantification of Scapular Kinematics in Persons with Shoulder Deficits Using an Infrared Motion Capture System
Institution where the work was prepared: Washington University School of Medicine, St. Louis, MO, USA
Andrew Yue; William E. James; Susan E. Mackinnon; Justin M. Brown

2:35pm - 2:40pm

Prostate Cancer to the Lumbosacral Plexus: MRI Evidence to Support Direct Spread
Institution where the work was prepared: Mayo Clinic, Rochester, MN, USA
Marie-Noëlle Hébert-Blouin, MD; Amirg S. Hanna, MD; Kimberly K. Armani; Robert J. Spinner

2:40pm - 2:45pm

Discussion

Lecture: The Making of Successful Axonal Regeneration: Genes, Molecules and Signal Transduction Pathways
2:45 - 3:25pm

Lecturer: Gennadij Raivich, MD, DSc

This lecture will provide an overview of the problems encountered in successful peripheral nerve regeneration, including the need for immediate reconnection, time course for functional recovery and replacement strategies for trauma-induced gaps in connection.

Objectives:
1. Describe the cellular and molecular basis of functional repair following peripheral nerve trauma, including what goes right when it's successful and what goes wrong when it fails
2. Discuss the cellular and molecular signals – transcription factors, adhesion molecules, growth factors – and their interplay, driving successful axonal regeneration

Scientific Paper Session 2: Stem Cells and Regeneration
3:50 - 5:00pm

Moderator: Gennadij Raivich, MD, DSc

Co-Moderator: Tessa Gordon, PhD

3:50pm - 3:55pm

In vitro Secretion of NGF by Epineural Tube Filled with Bone Marrow Derived Stromal Cells
Institution where the work was prepared: Cleveland Clinic, Cleveland, OH, USA
Beata Frybyla, PhD; Grzegorz Brzezicki; Maria Siemionow

3:55pm - 4:00pm

In Vitro Differentiation of Marrow Derived Mesenchymal Stem Cells Results in Temporal Expression of Schwann Cell Markers and Promotion of Neurite Outgrowth
Institution where the work was prepared: University of Alberta, Edmonton, AB, Canada
Adil Ladak, MD; Tessa Gordon; Jaret Olson; Edward Tredget

4:00pm - 4:10pm

Discussion

4:10pm - 4:15pm

Analysis of Sphere Derived From Injured Adult Peripheral Nerves Establishment of a Novel Schwann Cell Culture System Derived from Injured Adult Peripheral Nerve
Institution where the work was prepared: Takehiko Takagi, Tokyo, Japan
Takehiko Takagi; Ken Ishii; Shinshuke Shibata; Akimasa Yasuda; Narihito Nagoshi; Hanako Saito; Hirotaka James Okano; Yoshiaki Toyama; Masaya Nakamura; Hideyuki Okano

4:15 pm - 4:20pm

Skin-derived Stem Cells Act by a Variety of Mechanisms to Promote Regeneration Following Peripheral Nerve Injury
Institution where the work was prepared: University of Calgary, Calgary, AB, Canada
Sarah K. Walsh, BSc; Rajiv Midha, MD, MSc

4:20pm - 4:30pm

Discussion

4:30pm - 4:35pm

Epineural Sheath Patch and Bone Marrow Stromal Cells (BMSC) Demonstrate Neuroprotective Properties After Dorsal Root Ganglion (DRG) Inflammation in Rat Model
Institution where the work was prepared: Cleveland Clinic, Cleveland, OH, USA
Grzegorz Brzezicki, MD; Krzysztof Siemionow, MD; Aleksandra Klimczak, PhD; Maria Siemionow, MD, PhD, DSc

4:35pm - 4:40pm

Institution where the work was prepared: Aesthetic and Plastic Surgery Institute, UC Irvine, Orange, CA, USA
Thomas Scholz, MD, Michael Pharoan; Gregory R.D. Evans, MD

4:40pm - 5:00pm

Discussion

6:00 - 7:00pm ASPN President’s Reception (Invitation Only)
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<td>Pre-Assembly</td>
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<td>6:30am – 5:30pm</td>
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<td>6:30am – 5:30pm</td>
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<td>Following Nerve Injury</td>
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<td>205 Intraoperative Neurophysiology</td>
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<td>206 Obstetric Brachial Plexus Lesions</td>
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<td>8:15am – 9:15am</td>
<td>AAHS/ASPN/ASRM Joint Panel:</td>
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<td>Partial Nerve Injuries – Clinical Dilemmas</td>
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<td>9:15am – 9:30am</td>
<td>Break with Exhibits</td>
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<td>9:45am – 11:00am</td>
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<td>The Surgeon’s Role in Global Health</td>
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<td>Paul Farmer, MD, PhD</td>
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<td>11:00am – 12:00pm</td>
<td>AAHS/ASPN/ASRM Joint Outstanding Papers</td>
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<td>1:30pm – 2:30pm</td>
<td>Lecture: Gene Therapy –</td>
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<td>A Strategy to Repair the Peripheral Nerve Lesion</td>
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<td>2:30pm – 3:30pm</td>
<td>Scientific Paper Session 3: Factors Affecting Functional Recovery</td>
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<td>Following A Nerve Lesion</td>
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<td>3:30pm – 4:00pm</td>
<td>Break with Exhibits</td>
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<td>4:00pm – 5:30pm</td>
<td>Scientific Poster Session</td>
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<td>6:00pm – 8:00pm</td>
<td>ASPN/ASRM Welcome Reception</td>
<td>Cathedral Room</td>
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This panel will focus on the diagnosis and management of difficult partial nerve injuries associated with sharp, blunt, tearing, electrocution and multiple pellet injuries. The partially injured nerve presents the surgeon with difficult dilemmas regarding diagnosis, timing of repairs and method used for the surgical intervention. The panelists will discuss their experiences with the partially injured nerves and will discuss some cases presented by the moderator for their treatment suggestions.

Objectives:
1. Accurately assess and determine the degree of injury associated with an incomplete injury.
2. Determine the appropriate management of the partially injured nerve.

Patient safety = .25
3:15pm - 3:20pm
Following Peripheral Nerve Ischemia/Reperfusion Injury

3:10pm - 3:15pm
Huan Wang, MD, PhD; Marie-Noelle Hebert-Blouin; Anthony J. Zachary Sandbulte
Richmond, VA, USA
Commonwealth University Health System,

Tessa Gordon, PhD; Neil Tyreman; Mukaila Raji, MD, MSc
Alberta, Edmonton, AB, Canada

Takehiko Takagi; Masaya Nakamura; Masayuki Yamada; Keigo Hikishima; Suketaka Momoshima; Kanehiro Fujiyoshi; Shinsuke Shibata; Hirokatsu James Okano, PhD; Yoshiaki Toyama; Hideyuki Okano
Institution where the work was prepared: Takehiko Takagi, DC Chuang, MD
Memorial Hospital, Chang Gung University, Taipei, Taiwan

2:40pm - 2:45pm
Diffusion Tensor Peripheral Nerve Tractography
Institution where the work was prepared: Takehiko Takagi, Tokyo, Japan
Takehiko Takagi; Masaya Nakamura; Masayuki Yamada; Keigo Hikishima; Sukekata Momoshima; Kanehiro Fujiyoshi; Shinsuke Shibata; Hirokatsu James Okano, PhD; Yoshiaki Toyama; Hideyuki Okano

2:45pm - 2:50pm
Discussion

2:50pm - 2:55pm
Factors Responsible for Poor Functional Recovery after Peripheral Nerve Lesions
Institution where the work was prepared: University of Alberta, Edmonton, AB, Canada
Tessa Gordon, PhD; Neil Tyram; Mukaia Rq, MD; MSc

2:55pm - 3:00pm
Chronically Denervated Verses Fresh Nerve Graft
Institution where the work was prepared: Virginia Commonwealth University Health System, Richmond, VA, USA
Jonathan Isaacs, MD; Satya Mallu; Scott Adams; Zachary Sandbuttle

3:00pm - 3:05pm
Nerve Regeneration in the Scarred and Ischemic Limb
Institution where the work was prepared: Mayo Clinic, Rochester, MN, USA
Huan Wang, MD, PhD; Marie-Noelle Hebert-Blouin; Anthony J. Zachary Sandbulte

3:05pm - 3:10pm
The Effect of Cigarette Smoking on Functional Recovery Following Peripheral Nerve Ischemia/Reperfusion Injury
Institution where the work was prepared: University of Kentucky, Lexington, KY, USA
Brian Rinker, MD; Betty F. Fink; Neil G. Barry; Joshua A. Fife; Maria E. Milan; Ashley R. Stoker; Peter T. Nelson

3:15pm - 3:20pm
Phototherapy for Preservation of Denervated Muscle in Complete Peripheral Nerve Injury
Institution where the work was prepared: Faculty of Life Science, Bar-Ilan University, Ramat Gan, Israel
Shimon Rochkind, MD; Asher Shainberg, PhD

3:20pm - 3:25pm
Anabolic Steroid as a Strategy in Reversing Denervation Atrophy
Institution where the work was prepared: Virginia Commonwealth University, Richmond, VA, USA
Jonathan Isaacs, MD; Satya Mallu; Scott Adams; Kerry Loveland; Ross Wodicka

3:25pm - 3:30pm
Discussion

3:30 - 4:00pm  Break with Exhibits

Special Session: Scientific Posters
4:00 - 5:30pm
For institutions

Not for credit

Ultrasoundographic Assessment of Digital Nerve Injuries
Institution where the work was prepared: Jacobi Hospital, Albert Einstein/ Montefiore Medical Center, Bronx, NY, USA
Keshav Randeep Maggi, MD; Ralph William Liebling; Hilary Uman; James Kessler; Mauricio de la Lama

Surgical Intervention for Traumatic Brachial Plexus Injuries in the Pediatric Population, Excluding Perinatal Injuries
Institution where the work was prepared: Johns Hopkins School of Medicine, Baltimore, MD, USA
Michael J. Dorsi, MD; Allan J. Belzberg, MD

Case Report of Saturday Night Palsy after Briefly Lying on Her Front
Institution where the work was prepared: Chungbuk National University Hospital, Cheongju, South Korea
Dong Geun Lee, MD, PhD

Processed Allograft Versus Cold Preservation on Nerve Regeneration: A Comparison Study
Institution where the work was prepared: Washington University, St. Louis, MO, USA
Michael C. Nicolson, MD; Amy M. Moore; Kristopher Chenard; Katherine Santosa; Matthew MacEwan; Rahul Kasukurthi; Daniel Hunter; Philip Johnson; Susan Mackinnon; Gregory Borschel

Does Nerve Block by Lidocaine or Ropivacaine Cause Neurotoxicity in Diabetic Rats?
Institution where the work was prepared: Rush University Medical Center, Chicago, IL, USA
James M. Kerr, PhD; A. Buvanendran, MD; B. Wageman, BA; D. Williams, BS, M. Sublette, J.S. Kra, PhD

Opportunity Cost in Comparing Open Versus Endoscopic Carpal Tunnel Surgery: A Pooled Analysis
Institution where the work was prepared: Dartmouth Hitchcock Medical Center, Lebanon, NH, USA
Abhishek Chatterjee, MD, MRA; Brian C. Leung, MD; Harold T. Bar, MS; Samuel R. G. Finlayson, MD, MPH; Joseph M. Rosin, MD

Combining an External Fixator and an Artificial Nerve-guide for the Treatment of a Complex Digital Injury
Institution where the work was prepared: The Catholic University, Rome, Italy
Antonio Merolli, MD; Arturo Militerno, MD; Vitale Cilli, MD; Lorenzo Rocchi, MD; Francesco Catalano, MD, Prof

Cyclic Voltammetric and In Vivo Analysis of PEDOT Coated Electrode Fidelity for Use in Neural Prosthetics
Institution where the work was prepared: The Catholic University, Rome, Italy
Christopher M. Frost, Student; Melanie G. Urbanchek, MS, PhD; Kate Ewing; BSE; Sarah M. Richardson-Bums; Brent Engeland, MD; Benjamin Wei, MD; Paul S. Cederna, MD

Axon Counts of Potential Nerve Transfer Donors for Peroneal Nerve Reconstruction
Institution where the work was prepared: McMaster University, Hamilton, ON, Canada
Michael James Cooper, MD; Carolyn M Levis

Induced Involvement of Cutaneous Neurifibromas with PKC and NFKB Inhibition
Institution where the work was prepared: University of Chicago, Chicago, Illinois, IL, USA
Raphael C. Lee

Nerve Transfer for Treatment of Peroneal Nerve Palsy: A Feasibility Study
Institution where the work was prepared: St. Joseph's Health Care, London, ON, Canada
Douglas C. Ross, MD; ME, FRSC; Tom Miller, MD; Yshai Rosenblatt, MD

ASPN/ASRM Welcome Reception
6:00 - 8:00pm
# American Society for Peripheral Nerve

## DAY-AT-A-GLANCE

**Sunday, January 10, 2010**

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<td>Meeting Services</td>
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<td>303 Nerve Tumors: Work-up and Treatment</td>
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<td>304 Reinnervating Muscle: From the Lab to the Clinic</td>
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<td>305 Adult Brachial Plexus Lesions</td>
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<tr>
<td>9:45am – 11:00am</td>
<td>Scientific Paper Session 4: Obstetrical and Adult Brachial Plexus Lesions</td>
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<td>11:00am – 11:45am</td>
<td>Lecture: The Peripheral Nervous System and Tissue Engineering of Nerve Repair</td>
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<td>12:15pm – 1:00pm</td>
<td>ASPN Council Meeting</td>
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<td>1:00pm – 2:30pm</td>
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<td>2:30pm – 2:45pm</td>
<td>Break with Exhibits</td>
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<td>2:45pm – 4:00pm</td>
<td>Scientific Paper Session 6: Topics in Clinical Nerve Research II</td>
<td>Estate</td>
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<tr>
<td>4:00pm – 4:15pm</td>
<td>Closing Remarks and Presentation of Awards</td>
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</table>
**Sunday, January 10, 2010**

### 6:30 - 7:00am  Breakfast with Exhibits

### Instructional Courses

**7:00 - 8:00am**

1 AMA PRA Category 1 Credit™

#### 301 Failed Surgery for Entrapment Syndromes: What To Do?

**Chair:** Allen Van Bieke, MD

Discussion will center on diagnosis of failed surgery, intervention when failure occurs, and preventing failure following nerve entrapment surgery.

**Objectives:**
1. Apply principles of best practice to nerve entrapment surgery

#### 302 The Role of MRI in Diagnostics of Traumatic Lesions and Entrapment Syndromes

**Chair:** Aaron Filler, MD

Current practice for managing nerve injuries and entrapments often does not include imaging such as MRI. Discuss the evidence on the utility and value of nerve imaging information as well as the problems and limitations.

**Objectives:**
1. Better recognize nerve image findings
2. Identify when to consider ordering a nerve image and how to change surgical plans based on nerve image findings

#### 303 Nerve Tumors: Work-up and Treatment

**Chair:** Robert Spinner, MD

Advances in management of benign peripheral nerve lesions have occurred in the past two decades that have improved our diagnosis and treatment as well as our understanding of the mechanisms of those processes. This discussion highlights important developments related to benign intraneural and extraneural lesions.

**Objectives:**
1. Describe indications for observation, biopsy, resection and adjuvant treatment
2. Distinguish benign from malignant lesions

#### 304 Reinnervating Muscle: From the Lab to the Clinic

**Chair:** Teissa Gordon, PhD
**Instructors:** Ming Chan, MD; Rajiv Midha, MD

Become aware of the detrimental consequences of prolonged delays between diagnosis of nerve injuries requiring operative repair and the surgical repair. Instructors will present experimental findings from animal and human studies which demonstrate that brief electrical stimulation at the time of surgical repair accelerates axon regeneration and target reinnervation and that stem cells that are directed to Schwann cell phenotypes can promote regeneration through chronically denervated distal nerve stumps.

**Objectives:**
1. Appreciate the consequences of prolonged delays between diagnosis of nerve injury requiring operative repair and the surgical repair
2. Make more informed judgments of the timing of surgical repair of peripheral nerve injuries

#### 305 Adult Brachial Plexus Lesions

**Chair:** Allen Belzberg, MD

**Invited Instructors:** Thomas Tung, MD; Michael Dorsi, MD

Surgical decision making concerning the repair of brachial plexus injury will be reviewed. Highlights will include types of exposures, intra-operative investigations and intra-operative decision making. Options for repair of various injuries utilizing novel approaches will be presented. Finally, some of the controversies incuding the timing of surgical exploration will be discussed.

**Objectives:**
1. Describe the various surgical exposures of the brachial plexus
2. Determine the best timing to perform brachial plexus surgery
3. Appreciate the various options for surgical repair of a brachial plexus injury

### 8:00 - 8:15am  Breakfast with Exhibits

### ASPN/ASRM Joint Panel: You Accidently Cut a Nerve – Now What Do You Do?

**Moderator:** Paul Cederna, MD

**Panelists:** Keith Brandt, MD; Gregory Evans, MD, FACS; Jonathan Cheng, MD

### 9:45 - 11:00am

**Moderator:** Robert Spinner, MD

**Co-Moderator:** Willem Pondaag, MD

#### 9:45am - 9:50am

Suprascapular Nerve Reconstruction in Obstetrical Brachial Plexus Palsy Revisited: Spinal Accessory Nerve Transfer vs CS Nerve Grafting

**Institution where the work was prepared:** The Hospital for Sick Children and the University of Toronto, Toronto, ON, Canada

Howard M. Clarke, MD, PhD, FRCS(C); Raymond Tse, Jeffrey R. Marcus; Christine G. Curtis

#### 9:50am - 9:55am

The Role of Exclusive Spinal Accessory Neurotisation in the Treatment of Shoulder Contracture in Upper Obstetrical Brachial Plexus Lesions

**Institution where the work was prepared:** Dept. for Plastic Surgery and Hand surgery, TU München, München, Germany

Riccardo E. Giunta; Thomas Holzbach; Angelika Enders, MD, Michael Marton; Machens Hans-Güther; Wolfgang Müller-Felber

#### 9:55am - 10:00am

Shoulder Function Following Primary Axillary Nerve Reconstruction in Obstetrical Brachial Plexus Patients

**Institution where the work was prepared:** Eastern Virginia Medical School, Norfolk, VA, USA

Julia K. Terzis, MD, PhD; Zinon T. Kokkalis, MD

#### 10:00am - 10:10am  Discussion

#### 10:10am - 10:15am

Kinetik Evaluation of Upper Limb Weight Bearing in Infants with Obstetrical Brachial Plexus Palsy

**Institution where the work was prepared:** Ste-Justine University Hospital Centre, Montreal, QC, Canada

Dominique M. Tremblay, MD; Archana P. Sangole, PhD; Jenny C. Lin, MD, PhD

#### 10:15am - 10:20am

Body Image in Children with Brachial Plexus Injury

**Institution where the work was prepared:** Miami Children’s Hospital and NYU Hospital for Joint Diseases. Miami and New York, FL, USA

Lorna E. Ramos, MA, OTR/L; John A. I. Grossman, MD, FACS; Israel Alfonso, MD; Andrew E. Price, MD

#### 10:20am - 10:25am

Quality of Life – A Valuable Outcome Parameter in Brachial Plexus Lesions

**Institution where the work was prepared:** Dept. for Plastic Surgery and Hand surgery, TU München, München, Germany

Riccardo E. Giunta; Marie Henledien; Joseph Alpakos; Hans-Güther Machens

#### 10:25am - 10:35am  Discussion

#### 10:35am - 10:40am

Nerve Transfers for Elbow Flexion in Avulsion Injuries of Brachial Plexus

**Institution where the work was prepared:** Solovyov University Hospital, Yaroslavl, Russia

Mikhail L. Novkov, MD, Timur E. Torn

#### 10:40am - 10:45am

Selective Contralateral C7 Transfer in Posttraumatic Brachial Plexus Injuries: A Report of 56 Cases

**Institution where the work was prepared:** Eastern Virginia Medical School, Norfolk, VA, USA

Julia K. Terzis, MD, PhD; Zinon T. Kokkalis, MD

#### 10:45am - 10:50am

Comparison of Nerve Transfers and Nerve Grafting for Upper Plexus Palsy: A Meta-analysis of Outcomes

**Institution where the work was prepared:** Hospital for Special Surgery, New York, NY, USA

Rohil Garg; Gregory A. Merrell; Scott W. Wolfe, MD

#### 10:50am - 11:00am  Discussion

### Lecture: The Peripheral Nervous System and Tissue Engineering of Nerve Repair

**Lecturer:** Giorgio Terenghi, PhD

The lecture describes new ideas of bioengineering for the construction of an “artificial nerve” that can be used in the future for the treatment and repair of nerve injury gap in patients with traumatic nerve injuries of the peripheral nervous system. The lecture will describe the best type of biomaterial available for this task, their properties and modification using extracellular matrix molecules and surface modification. The use of transplanted glial cells within the conduits will also be discussed, together with the possible application of adult stem cells derived from either bone marrow or adipose tissue.

**Objectives:**
1. Describe the indications for an improved method to repair traumatic nerve injuries in the peripheral nervous system
11:45am - 12:15pm  Lunch with Exhibits

ASPN Council Meeting
12:15 - 1:00pm

Scientific Paper Session 5: The Nerve Gap, Allografts and Conduits
1:00 - 2:30pm

Moderator: Giorgio Terenghi, PhD
Co-Moderator: Rajiv Midha, MD

1:00pm - 1:05pm
Electrophysiology Following Neural Regeneration through Conducting Polymer-Lined Hydrogel Conduit
Institution where the work was prepared: University of Michigan, Ann Arbor, MI, USA
Brent M. Egeland, MD; Mohammad Reza Abidian, MD; Melaine G. Urbanchek; Rachel Mifiani; Eugene Darshish Daneshvar; Kirsten A. Schroeder; Katie A. Ewing; Yamini Jadcherla; William M. Kuzon, MD, PhD; Daryl R. Kipke, MD; Paul S. Cederna

1:05pm - 1:10pm
An Assessment of a Silk Fibroin Nerve Conduit used for Peripheral Nerve Repair
Institution where the work was prepared: University of Pittsburgh, Pittsburgh, PA, USA
Amir Mohan Gharavi, MD; Lauren E. Kokia; Sami Tuffaha; Michael Lovett; David L. Kaplan, PhD; Kacoy G. Marra, MD

1:10pm - 1:15pm
Is Nerve Growth within a Conduit Enhanced by the Presence of Adipocyte Derived Stem Cells?
Institution where the work was prepared: Southern Illinois University School of Medicine, Springfield, IL, USA
Joel Wietfeldt, MD; Reuben A. Bueno Jr, MD; Christopher B. Chambers, PhD; Brian E. Moore, MD; Michael W. Neumeister, MD

1:15pm - 1:20pm
Augmenting the Regeneration of Peripheral Nerve Gap with the Use of Allogenic Epineurium with Donor Derived Bone Marrow Stromal Cells
Institution where the work was prepared: Cleveland Clinic Plastic Surgery Department, Cleveland, OH, USA
Arkadiusz Jundzill, MD; Gregorz Brzezicki, MD; Aleksandra Klimczak, PhD; James Gatherwright, MS; Maria Siemionow, MD, PhD, DSc

1:20pm - 1:30pm
Discussion

1:30pm - 1:35pm
Evaluation of Schwann Cell Expression Profiles After Implantation into Cold-Preserved Nerve Allografts
Institution where the work was prepared: Washington University School of Medicine, St. Louis, MO, USA
Katherine B. Santosa, BA; Nityha J. Jesuraj, BS; Amy M. Moore; Rahul Kasukurthi; Wilson Z. Ray, MD; Daniel A. Hunter; Eric R. Flagg, BS; Philip Johnson; Susan E. Mackinnon; Thomas H. Tung, MD

1:35pm - 1:40pm
The Role of Direct and Indirect Pathway in Allograft Rejection
Institution where the work was prepared: Washington University, St. Louis, MO, USA
Wilson Z. Ray, MD; Santosh Kale, MD; Rahul Kasukurthi, BA; Biology; Amy M. Moore; Katherine B. Santosa, BA; Esther Marie Fapp, BA; Daniel A. Hunter; Susan Mackinnon

1:40pm - 1:45pm
Injection of Motor and Sensory Schwann Cells into Cold-Preserved Nerve Allografts to Enhance Nerve Regeneration
Institution where the work was prepared: Washington University School of Medicine, St. Louis, MO, USA
Katherine B. Santosa, BA; Nityha J. Jesuraj, BS; Amy M. Moore; Rahul Kasukurthi; BA; Wilson Z. Ray, MD; Eric R. Flagg, BS; Dan Hunter, RA; Gregory Borscheil, MD; Shelly Sakiyama-Elbert, PhD; Philip Johnson, PhD; Susan E. Mackinnon

1:45pm - 1:50pm
Reconstruction of Sensory and Motor Nerve Injuries in the Upper Extremity with Processed Acellular Human Nerve Allograft
Institution where the work was prepared: Montefiore Medical Center/Albert Einstein College of Medicine, Bronx, NY, USA
Renata V. Wilber

1:50pm - 2:00pm
Discussion

2:00pm - 2:05pm
Decellular Nerves Support Myoblast Cell Expansion in the Presence of PEDOT
Institution where the work was prepared: University of Michigan, Ann Arbor, MI, USA
Melanie G. Urbanchek, MS, PhD; Ziya Baghmanli, MD; Brent M. Egeland, MD; Lisa M. Larkin; Antonio Piramo, PhD; William M. Kuzon; Paul S. Cederna, MD

2:05pm - 2:10pm
Sensory Recovery Follows Nerve Regeneration through a Nerve Graft Coated with an Electrically Conductive Polymer
Institution where the work was prepared: University of Michigan, Ann Arbor, MI, USA
Kirsten A. Schroeder; Melanie G. Urbanchek, PhD; Yamini Jadcherla; Katie A. Ewing, BSE; Brent M. Egeland, MD; Mohammad R. Abidian, PhD; Paul S. Cederna, MD

2:10pm - 2:15pm
Complete Peripheral Nerve Injury: Correlation between Length of the Nerve Grafts and Functional Recovery
Institution where the work was prepared: Tel Aviv Sourasky Medical Center, Tel Aviv University, Tel Aviv, Israel
Shimon Rischkinds, MD; Malvina Alon; Shlomo Davidovich; Leonid Shchekhterov; Vassil Mann

2:15pm - 2:30pm
Discussion
Scientific Paper Session 6: Topics in Clinical Nerve Research II

2:45 - 4:00pm

Moderator: Allan Belzberg, MD

2:45pm - 2:50pm
Cold Intolerance in Surgically Treated Neuroma Patients: A Prospective Follow Up Study
Institution where the work was prepared: Erasmus University Medical Center, Rotterdam, Netherlands
Annemieke Stokvis, MD, MSc; Aleid C.J. Ruijs; J.W. van Neck; J.H. Coert

2:50pm - 2:55pm
Novel Intraoperative Application of Cyanoacrylate for the Prevention of Painful Neuroma Formation
Institution where the work was prepared: Columbia University, New York, NY, USA
James Shin, BA; Yelena Akelina, DVM; Caroline Yao; Maria Codmanu, MD; Robert Strauch, MD

2:55pm - 3:00pm
Cost-effectiveness of Pathology Analysis Following Neuroma Excision: Is There a Rationale?
Institution where the work was prepared: Georgetown University Hospital, Washington, DC, USA
Ivica Dacic, MD, PhD; Ali Al-Attar

3:00pm - 3:10pm
Discussion

3:10pm - 3:15pm
Concomitant Brachial Plexus and Spinal Cord Injury: an Underestimated Association
Institution where the work was prepared: Mayo Clinic, Rochester, MN, USA
Marie-Noëlle Hébert-Blouin, MD; Eileen Pirila, MD; Peter C. Rhee, DO; Allen T. Bishop, MD; Alexander Y. Shin; Robert J. Spinner

3:15pm - 3:20pm
Involuntary, Electrically Excitable Nerve Transfer for Denervation: Results from an Animal Model
Institution where the work was prepared: University Hospitals Case Medical Center, Cleveland, OH, USA
Daniel Lee Master, MD; Thomas Cowan, MS; Sreenath Narayan, MS; Robert Kirsch, PhD; Harry Hoyen, MD

3:20pm - 3:25pm
A Model of Reversible Paralysis for the Evaluation of Novel Autonomous Brain-Body Interface Using Functional Electrical Stimulation in the Upper Extremity
Institution where the work was prepared: Plastic Surgery Research Lab, Massachusetts General Hospital, Boston, MA, USA
Keiko Hasegawa, MD; Helene Moorman, BS; Robert Ajemian, PhD; Reuben J. Slater, MD; Neelakantan Sunder, MD; Emiliano Bizzi, MD/PhD; Jonathan M. Winograd, MD

3:25pm - 3:35pm
Discussion

3:35pm - 3:40pm
The Reconstructive Rubik’s Cube: A Novel Algorithm for the Treatment of Facial Paralysis
Institution where the work was prepared: Georgetown University Medical Center, Washington, DC, USA
Mark W. Clemens, MD; Steven P. Davison, DDS, MD

3:40pm - 3:45pm
Sympathetic Innervation of the Human Foot
Institution where the work was prepared: Johns Hopkins University School of Medicine, Baltimore, MD, USA
Gedge D. Rosson, MD; Ahmet Hoke, MD; Zijie Zhang, MD, PhD; Eric H. Williams, MD; Christopher G. Williams, MD; Elizabeth Allen, MD; A. Lee Dellon, MD

3:45pm - 3:50pm
Denervation of the Lateral Humeral Epicondyle for “Tennis Elbow”
Institution where the work was prepared: Hoag Hospital, Newport Beach, CA, USA
Nicholas Rose, MD; Scott Forman; A. Lee Dellon, MD

3:50pm - 4:00pm
Discussion

Closing Remarks and Presentation of Awards
4.00 - 4.15pm
Overview
After the completion of this program, participants will have an enhanced knowledge of the scope, practice and application of microsurgical techniques in breast, upper/lower extremity and head and neck reconstruction. Included will be specifics of patient and flap selection, inset techniques, and avoidance and management of complications.

Intended Audience
The 2010 ASRM Annual Meeting is intended for surgeons and other healthcare professionals engaged in the practice of clinical reconstructive microneurovascular surgery and other complex reconstructions and/or involvement in research into and teaching of microneurovascular surgery.

Overall Learning Objectives
At the end of this activity, participants should be able to:

- Discuss state-of-the-art techniques in microsurgery and complex reconstruction
- Effectively implement interdisciplinary interaction and cooperative learning among colleagues in professional practice
- Interact professionally with micro surgeons from various countries worldwide for the beneficial exchange of medical knowledge and surgical techniques.
- Analyze current reconstructive practices and evaluate professional effectiveness with respect to best practices and patient safety
- Differentiate new knowledge and emerging techniques in complex reconstruction and translate into clinical practice

Educational Formats/Methodologies
- Peer-reviewed oral presentations in an open forum allowing for ample interaction, questions, and discussion
- Oral lectures focused on specific topics and delivered by known experts worldwide
- Participation in interactive, topic-based instructional course breakout panels delivered by a number of recognized leaders offering a variety of different information and techniques
- Combined lectures, instructional courses, and panels focused on common issues to members of the ASRM, ASPN and AAHS
- Interactive, open forum informational panels on specific complex microsurgical topics from leading experts including didactic information, techniques, and patient safety aspects

Accreditation/Designation
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 American Society of Plastic Surgeons® and American Society for Reconstructive Microsurgery. The American Society of Plastic Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

The American Society of Plastic Surgeons designates this educational activity for a maximum of 30.25 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Of the 30.25 credits, 3 have been identified as applicable to Patient Safety.

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<td>TOTAL CREDITS AN ATTENDEE CAN CLAIM FOR THIS MEETING (INCLUDING TICKETED SESSIONS): 30.25 AMA PRA Category 1 Credits™</td>
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Disclaimer
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American Society for Reconstructive Microsurgery
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All identified conflicts of interests have been resolved.

Disclosures of all Chairs, Co-Chairs, Speakers, Authors, Moderators, Reviewers, Committee Members, and other appropriate individuals:

- Alex Keller, MD is a Consultant and a shareholder for ViOptix.
- Joseph Serletti, MD is a Consult for Neronyx Corporation and a Shareholder for Johnson and Johnson.
- Joseph Tamburrino, MD is a Consultant for Novadaq.

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- Evan Garfein, MD
- MM Gebhard, MD
- David S. Geller, MD
- Alexandru, Georgescu, MD
- Grace Gerald, MD
- G. Germann, MD
- Sarah Gibson, MD
- Laurence T. Glickman, MD
- Mehrdad Golian, MD
- Shigeru Goto, MD
- Philippe Grimbelt, MD
- P. Grimbelt, MD
- Vikas Gulani, MD
- Lifei Guo, MD
- Eyal Gur, MD
- Geoffrey Gurtner, MD
- Moustapha Hamdi, MD
- Matthew M Hanasono, MD
- Thomas Hayakawa, MD
- David Hirsch, MD
- M. Hivelin, MD
- Mikael Hivelin, MD
- Stefan Hofer, MD
- William Y., Hoffman, MD
- D., Horn MD
- Jung-Ju Huang, MD
- Chong-Wei Huang, MD
- Helen G. Hui-Chou, MD
- Javier Ibañez, MD
- Amir, Inbal, MD
- Marcos R.O. Jaeger, MD
- Michael Januszyn, MD
- Andrew Jawa, MD
- Donna C. Jones, MD
- Luke S. Jones, MD
- Jesse Jupiter, MD
- Huang-Kai, Kao, MD
- C., Kaufman, MD
- Mahlon Alder, Kerr-Valentine, MD
- J. Kiefer, MD
- Alexander Klimczak, MD
- Sharon L., Kolasinski, MD
- Ewa Komorowska-Timek, MD
- Stephen J. Kovach, MD
- T. Kremer, MD
- Debra KuKuruga, MD
- Yur-Ren Kuo, MD
- Richard H. Kutz, MD
- Luis Landin, MD
- P. Lang, MD
- L. Lantieri, MD
- W.P. Andrew, Lee, MD
- Kah Woon Leo, MD
- Pablo Leon, MD
- David Leshem, MD
- Salvatore C. Lettieri, MD
- L. Scott Levin, MD
- Jamie Levine, MD
- Joan E. Lipa, MD
- Boris Livshits, MD
- Maria M. LoTempio, MD
- David W. Low, MD
- Joy MacDermid, MD
ASPS CME Committee/Education staff members and involved ASRM staff members have no relevant financial relationships or affiliations to disclose.
**American Society for Reconstructive Microsurgery**  
**DAY-AT-A-GLANCE**  
**Saturday, January 9, 2010**

<table>
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<th>Time</th>
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<th>Location</th>
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<tr>
<td>6:00am – 3:00pm</td>
<td>Speaker Ready Room</td>
<td>Veranda 2</td>
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<td>6:00am – 4:00pm</td>
<td>Meeting Services</td>
<td>Royal Palm</td>
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<td>6:30am – 5:30pm</td>
<td>Exhibits</td>
<td>Royal Palm 6-10</td>
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<tr>
<td>6:30am – 7:00am</td>
<td>Continental Breakfast with Exhibits</td>
<td>Royal Palm 6-10</td>
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<td>6:30am – 5:30pm</td>
<td>ASRM Digital Poster Viewing</td>
<td>Royal Palm 6-10</td>
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<td>7:00am – 8:00am</td>
<td>AAHS/ASPN/ASRM Instructional Courses</td>
<td>Royal Palm 1-5</td>
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<td></td>
<td>201 Congenital Hand Differences: How I Do It</td>
<td>Galeria South</td>
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<td>202 Endoscopic Cubital and Carpal Tunnel Release</td>
<td>Galeria North</td>
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<td>203 Advances in Brachial Plexus Paralyses Reconstruction</td>
<td>Addison</td>
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<td>204 Current Approaches to Functional Muscle Transfer to the Extremity Following Nerve Injury</td>
<td>Estate</td>
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<td>205 Intraoperative Neurophysiology</td>
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<td>206 Obstetric Brachial Plexus Lesions</td>
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<tr>
<td>8:15am – 9:15am</td>
<td>AAHS/ASPN/ASRM Joint Panel: Partial Nerve Injuries – Clinical Dilemmas</td>
<td>Royal Palm 1-5</td>
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<td>9:15am – 9:30am</td>
<td>Break with Exhibits</td>
<td>Royal Palm 6-10</td>
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<td>9:30am – 9:45am</td>
<td>AAHS/ASPN/ASRM Presidents Welcome</td>
<td>Royal Palm 1-5</td>
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<td>9:45am – 11:00am</td>
<td>AAHS/ASPN/ASRM Joint Presidential Keynote Lecture and Panel: The Surgeon's Role in Global Health</td>
<td>Royal Palm 1-5</td>
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<td>Paul Farmer, MD, PhD</td>
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<td>11:00am – 12:00pm</td>
<td>AAHS/ASPN/ASRM Joint Outstanding Papers</td>
<td>Royal Palm 1-5</td>
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<tr>
<td>11:45am – 12:45pm</td>
<td>Young Microsurgeons Group Committee Meeting</td>
<td>Veranda 3</td>
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<td>12:00pm – 5:00pm</td>
<td>ASRM Master Series</td>
<td>Addison</td>
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<td>5:00pm – 6:00pm</td>
<td>Young Microsurgeons Group Reception (Invitation Only)</td>
<td>Amalfi Terrace/ Yacht Club</td>
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<td>6:00pm – 8:00pm</td>
<td>ASPN/ASRM Welcome Reception</td>
<td>Cathedral Room</td>
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This panel will focus on the diagnosis and management of difficult partial nerve injuries associated with sharp, blunt, tearing, electrocution and multiple pellet injuries. The partially injured nerve presents the surgeon with difficult dilemmas regarding diagnosis, timing of repairs and method used for the surgical intervention. The panelists will discuss their experiences with the partially injured nerves and will discuss some cases presented by the moderator for their treatment suggestions.

Objectives:
1. Accurately assess and determine the degree of injury associated with an incomplete injury
2. Determine the appropriate management of the partially injured nerve

Patient safety

204 Current Approaches to Functional Muscle Transfer to the Extremity Following Nerve Injury
Chair: Neil F. Jones, MD
Instructors: Allen Van Beek, MD; Milan Stevanovic, MD; Gregory Dumanian, MD
This course will discuss the indications, patient selection and surgical techniques for tendon transfers to restore wrist flexion and extension; and functioning free muscle transfers to restore extrinsic flexor and extensor muscle function in the forearm; and reconstruction of biopsies and tripeus muscle function in the upper arm to restore elbow flexion and extension. Attendees will also be introduced to the evolving techniques of using multiple nerve transfers for targeted re-innervation of muscles to control myoelectric upper extremity prostheses.

205 Intraoperative Neurophysiology
Chair: David Houdolden, PhD
Instructors: Leo Happel, PhD; Allen Van Beek, MD
Intraoperative neurophysiological studies (nerve action potentials, stimulus evoked EMG, somatosensory evoked potentials and others) can help improve decision making during a variety of nerve operations, yet they are often underused. The rationale and technical considerations (including pitfalls) for neurophysiological studies will be discussed in classical and case studies. Practical applications will be emphasized.

Objectives:
1. Describe the rationale and methods of assessing functional integrity of nerve during surgery
2. Identify methods for nerve localization and nerve protection during surgery

206 Obstetric Brachial Plexus Lesions
Chair: Martin Malekky, MD; Willem Pondaag, MD
All aspects concerning primary nerve surgery for infants with an obstetric brachial plexus lesion will be discussed, including pre-operative and intra-operative assessment strategies for the severity of the lesion. Nerve surgical reconstruction schemes and results will be provided.

Objectives:
1. Describe the early selection process for nerve surgery
2. Explain the pros and cons of preoperative and intraoperative ancillary investigations
3. Set up a nerve surgical reconstruction plan for different types of lesions

AAHS/ASPN/ASRM Joint Panel: Partial Nerve Injuries – Clinical Dilemmas
8:15 - 9:15am
Moderator: Allen Van Beek, MD
Invited Panelists: Susan Mackinnon, MD; Peter Amadio, MD; Thomas Trumble, MD; L. Scott Levin, MD; Christine Novak, PT, MS, PhD(c)
Young Microsurgeons Group Committee Meeting

11:45 - 12:45pm

ASRM Master Series in Microsurgery: “Disasters of the Masters”

12:00 - 5:00pm

4.5 AMA PRA Category 1 Credits™
Chair: Lawrence Gottlieb, MD

Course Overview: This year’s Master Series in Microsurgery will highlight complications and problems. An international panel of renown Masters of Microsurgery will present disasters that they have created, show us how they dealt with disasters they inherited and teach us how to avoid disasters.

Breast/Perforator – Phillip Blondeel, MD

Facial Paralysis – Eyal Gur, MD

Hand & Upper Extremity – Michael Neumeister, MD

Lower Extremity – Michael Klebuc, MD

Head & Neck – Peter Neligan, MD

Face – Julian Pribaz, MD

Functional Muscle for Upper Extremity – Milan Stevanovic, MD

Young Microsurgeons Group Reception (Invitation Only)

5:00 - 6:00pm

ASPN/ASRM Welcome Reception

6:00 - 8:00 pm
Supported by Accurate Surgical & Scientific Instruments Corporation
DAY-AT-A-GLANCE
Sunday, January 10, 2010

6:30am – 3:00pm Speaker Ready Room Veranda Room
6:30am – 5:00pm Meeting Services Royal Palm Pre-Assembly
6:30am – 3:00pm ASRM Digital Poster Viewing Royal Palm 6-10
6:00am – 3:00pm Exhibits Royal Palm 6-10
6:30am – 8:00am Breakfast with Exhibits Royal Palm 6-10
6:30am – 7:00am 2009 New Member Breakfast Valencia
7:00am – 7:10am ASRM Presidential/Program Chair Welcome: Royal Palm 1-5
William A. Zamboni, MD, President
Charles E. Butler, MD, Program Chair
7:10am – 7:15am New Member Welcome Royal Palm 1-5
Peter C. Neligan, MD
7:15am – 8:15am ASRM Concurrent Scientific Paper Presentations
A1 Breast Royal Palm 1-5
A2 Extremities/Miscellaneous Addison
8:15am – 9:15am ASPN/ASRM PANEL: Royal Palm 1-5
You Accidentally Cut a Nerve-Now What Do You Do?
9:15am – 10:50am PANEL: Young Microsurgeons Group Complex
9:15am – 9:35am Break with Exhibitors Royal Palm 6-10
9:35am – 10:50am Case Presentations: Does Experience Change
What You Do? Royal Palm 1-5
10:50am – 11:45am ASRM Concurrent Scientific Paper Presentations
B1 Head and Neck Royal Palm 1-5
B2 Breast Outcomes Addison
11:45am – 12:15pm Lunch with Exhibits Royal Palm 6-10
12:15pm – 1:00pm Godina Lecture: Royal Palm 1-5
Yur-Ren Kuo, MD, PhD, FACS
1:15pm – 2:30pm ASRM Concurrent Break Out Panels
401 Tracheoesophageal Reconstruction Galeria South
402 Surgical Options, Techniques and Outcomes
for Post Operative Extremity Lymphaedema Galeria North
403 Advances in Soft Tissue Reconstruction of Addison
Lower Extremity Defects
404 Alternative (Non-Abdominal Based) Perforator
Flap Breast Reconstruction Veranda 3 and 4
4:15pm – 6:15pm Best Case/Best Save Programming Royal Palm 1-5
A-2: Extremities & Miscellaneous

Moderators: Michael Neumeister, MD; Keith E. Brandt, MD

* Designates residents/fellow paper presentations

7:15 am - 7:20 am  
**A Comparison of the Outcome of Vascularized Fibular Grafts for the Reconstruction of Large Segmental Defects of the Humerus and Femur**  
Institution where the work was prepared: Massachusetts General Hospital, Boston, MA, USA  
Lara Sh, Jesse Jupit, MD; Michael Yaremchuk, Andrew Jawa, MD

7:20 am - 7:25 am  
**Lower Extremity Replantation. Experience in 14 cases**  
Institution where the work was prepared: clínica cavadás, valencia, Spain.  
pedro C. Cavadás, MD; PhD; Luis Landin, Javier Ibañez; Ignacio Roger, Peter Nuthamba

7:25 am - 7:30 am  
**Evaluating Competency in Microsurgery: A New Validated Instrument**  
Institution where the work was prepared: University of Western Ontario, London, ON, Canada  
Ray C. Ross; Claire L. F. Temple

7:30 am - 7:34 am  
**Discussion**

7:34 am - 7:39 am  
**New Insight into an Old Paradigm: Wrapping and Dangling with Lower Extremity Free Flaps**  
Institution where the work was prepared: Brigham & Women's Hospital, Boston, MA, USA  
Emily Ridgway, MD; Jason S. Cooper, Richard H. Kutz; Lilei Guo

7:39 am - 7:44 am  
**The Vastus Intermedius Periosteal (VIP) Flap: a Novel Flap for Osteoinduction**  
Institution where the work was prepared: Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA  
Rian A. Mearicks, MD; CM Runyan; DC Jones; JA Taylor

7:44 am - 7:49 am  
**Further Modification: How Could “Kiss” Perforator Flaps Achieve in Donor-site?**  
Institution where the work was prepared: Shanghai Ninth People's Hospital, Shanghai Jiaotong University, Shanghai, China  
Yi Xin Zhang, MD; Danru Wang; Yee Siang Ong, MRCS, (Edin); Yunliang Qian, MD

7:49 am - 7:53 am  
**Discussion**

7:53 am - 7:58 am  
**Surgical and Reconstructive Management and Quality of Life of Mandibular Osteoradionecrosis: 10 Year Experience at the University of California San Francisco**  
Institution where the work was prepared: University of California San Francisco, San Francisco, CA, USA  
Edward P. Chang, MD; Pablo Leon; William Y. Hoffman; Brian L. Schmidt

7:58 am - 8:03 am  
**Is There a True Shortage of Microsurgery Trained Plastic Surgeons or is There a Shortage Secondary to Poor Incentives and Shortage of Reimbursement**  
Institution where the work was prepared: Cleveland Clinic Foundation, Cleveland, OH, USA  
Wong Moon, MD; Kevin El-Hayek, MD; Randall Yetman, MD; Maria Siemionow, MD, PhD; DSc

8:03 am - 8:08 am  
**Temporary Autologous Perfusion Prolongs Time to Transfer Free Composite Tissue Flap**  
Institution where the work was prepared: Albert Einstein College of Medicine/Montefiore Medical Center, Bronx, NY, USA  
Sreelana Veljic, MD; Gila Weinstein, MD; Hamilton H. Shay, MD; David S. Geller, MD; Rona V. Weber

8:08 am - 8:13 am  
**Discussion**
ASRM/ASPN Panel: You Accidentally Cut a Nerve – Now What Do You Do?

8:15 - 9:15 am
Moderator: Paul Cederna, MD
Panelists: Keith Brandt, MD; Gregory Evans, MD, FACS; Jonathan Cheng, MD

9:15 - 9:35 am Break with Exhibitors

ASRM Panel: Young Microsurgeons Group Complex Case Presentations: Does Experience Change What You Do?

9:35 - 10:50 am
Moderator: William A. Zamboni, MD
Junior Panelists
Rob Whittlefield, MD - Head and Neck
Steven Kovach, MD - Lower Extremity
Michel Saint-Cyr, MD - Hand
Liza Wu, MD - Breast

Senior Panelists
Gregory Evans, MD - Head and Neck
Randy Sherman, MD - Lower Extremity
William Pederson, MD - Hand
Phillip Bloudeel, MD - Breast

During this unique session, young microsurgeons will present complex and challenging cases followed by an interactive discussion of management options with Senior Discussants.

Objectives:
1. Discuss the indications for free tissue transfer
2. Manage complications of free tissue transfer

Patient safety ▶

ASRM Concurrent Scientific Paper Presentations: B1- B2
10:50- 11:45 am

B-1: Head and Neck

Moderators: Peter C. Neligan, MD; Matthew Hanasono, MD

* Designates residents/fellow paper presentations

10:50 am - 10:55 am
Russian Experience in Free Bilateral Muscle Transfer to the Face for Moebius Syndrome
Institution where the work was prepared: Solovoj University Hospital, Division of Plastic Surgery and Re, Yaroslavl, Russia; Mikhail L. Novikov, MD

10:55 am - 11:00 am
Facial Paralysis Reanimation by Contiguous Muscle Transfer: A Review of 327 Patients
Institution where the work was prepared: Long Island Plastic Surgical Group, Garden City, NY, USA; Roger L. Simpson, MD; Payman Danielpour; Laurence T. Glickman; Geoffrey T. Pilarsdorf, BS

11:00 am - 11:05 am
Free Flap Reconstruction and Static Correction of Facial Nerve Paralysis: Results of a One-Stage Approach
Institution where the work was prepared: Beth Israel Medical Center, New York, NY, USA; Emily M. Clarke-Pearson, MD; Mark L. Smith, MD

11:05 am - 11:09 am Discussion

11:09 am - 11:14 am
Four methods for Treating Esophageal fistula
Institution where the work was prepared: E-De Hospital /I-Shou University, Kaohsiung, Taiwan; Hung-Chi Chen, MD; FACS; Samir Mardini, MD; Shih-heng Chen, MD; Yu-Hsih Tang, MD, PhD

11:14 am - 11:19 am
Microsurgical Replantation of Seven Complete Scalp Avulsions: Is One Artery Enough?
Institution where the work was prepared: Vietnam-Germany University Hospital, Hanoi, Vietnam; Ha Nguyen, MD; Anh Bu; Luis Bermudez, MD

11:19 am - 11:23 am Discussion

11:23 am - 11:28 am
Using Pneumatic Computerized Tomography for Quantitative Intracranial Vestibular Volumes Evaluation in Patients after Suboccipital Fissure Release and Microvascular Free Flaps Reconstruction
Institution where the work was prepared: Chang Gung Memorial Hospital, Taoyuan, Taiwan; Chang-Cheng Chang; Huang-Kai Kao; Jung-Ju Huang; Chung-Kan Tsao; Ming-Huai Cheng; Fu-Chan Wei

11:28 am - 11:33 am
CAD-Cam Mandibular Reconstruction – Decreased Operative Time, Increased Accuracy
Institution where the work was prepared: Montefiore Medical Center, Bronx, NY, USA; Evan Garetin, MD; David Hirsch; Jamie Levine, MD

11:33 am - 11:37 am Discussion

B-2: Breast Outcomes

Moderators: Andrea Pusic, MD; Howard Langstein, MD

* Designates residents/fellow paper presentations

10:50 am - 10:55 am
Development of an Instrument to Assess Women’s Satisfaction with Breast Reconstruction – Step 1: Item Generation
Institution where the work was prepared: University of Western Ontario, London, ON, Canada; Doug Ross; C. L. F. Temple; Joy MacDermid; E. Francis Cook

10:55 am - 11:00 am
Psychosocial Assessment of Patients before Reconstructive Breast Surgery: A Comparison of Delayed, Salvage, and Immediate Reconstruction Patients
Institution where the work was prepared: Johns Hopkins University School of Medicine, Baltimore, MD, USA; Greski D. Rossou; MD; Sachin M. Shridharani; MD; Basak Basdag; NHS; Saheli M. Stapleton; Jaime I. Flores; MD; Michele A. Marahan; MD; Michael Magarakis, MD; Andrea L. Pusic

11:00 am - 11:05 am Discussion

11:03 am - 11:08 am *Laser-Assisted Indocyanine Green Angiography: A New Frontier In DIEP Breast Reconstruction
Institution where the work was prepared: University of Utah, Salt Lake City, UT, USA; Mahlon Alder Kerr-Valentic, MD; Jayant P. Agarwal, MD

11:08 am - 11:13 am
Intra-operative Perfusion Mapping to Prevent Complications in Immediate Breast Reconstruction
Institution where the work was prepared: Stanford University, Stanford, CA, USA; Ewa Komorowska-Timek; Geoffrey Gurtner

11:13 am - 11:18 am
Establishing a Perforator Free Flap Program De Novo
Institution where the work was prepared: Rambam Medical Center, Haifa, Israel; Eran D. Bar-Meir; MD; Dana Egozi; MD; Boris Livshits; MD; Sima Ben-Shitrit; RN; Yehuda Ullmann, MD

11:18 am - 11:21 am Discussion

11:21 am - 11:26 am
Simultaneous Contralateral Breast Adjustment in Unilateral DIEP Breast Reconstruction – Are We Satisfied?
Institution where the work was prepared: Tel Aviv Medical Center, Tel Aviv, Israel; Yoav Barnea, MD; Amir Inbal, MD; Arik Zaretinski, MD; Aharon Amir, MD; David Leshem, MD; Beny Meilik, MD; Ehud Miller, MD; Jerry Weiss, MD; Eyal Gut, MD

11:26 am - 11:31 am
Are there still any indications of microsurgery techniques in aesthetic breast surgery?
Institution where the work was prepared: Plastic Surgery Department-Gent University Hospital, Gent, Belgium; Moustapha Hamd, MD, PhD

11:31 am - 11:36 am *Routine Use of Fibrin Sealants in Microsurgery
Institution where the work was prepared: Mayo Clinic, Rochester, MN, USA; Elizabeth M. Nesset; MD; Salvatore C. Lettieri, MD

11:36 am - 11:40 am Discussion

11:45 - 12:15pm Lunch with Exhibitors

Godina Lecture
12:15 - 1:00pm

Invited Lecturer: Yur-Ren Kuo, MD, PhD, FACS

“Marko Godina was distinguished by his tireless energy, his impeccable logic, his boundless optimism, and his constant good humor and courtesy” – G. Lister

It is these qualities that are sought after in choosing the ASRM Godina Lecturer, honoring Dr. Marko Godina, an unrivaled leader and innovator in reconstructive microsurgery whose life was tragically cut short at the young age of 43. Established by the trustees of the Marko Godina Fund, this distinguished lecturership highlights a young, upcoming microsurgeon who has demonstrated leadership, innovation and ongoing commitment to our field in the best traditions of Dr. Godina. It is a pleasure to introduce Yur-Ren Kuo, MD, PhD, FACS as the 2009 Godina Traveling Fellow.
ASRM Concurrent Break Out Panels
1:15 - 2:30pm

1.25 AMA PRA Category 1 Credits™

401 Tracheoesophageal Reconstruction
Panelists: Peirong Yu, MD; Hung Chi Chen, MD; Gregory Reece, MD
Description: This session will discuss the techniques of pharyngoesophageal reconstruction and tracheostoma reconstruction.
Objective:
1. Describe a step by step process to reconstruct pharyngoesophageal defects

Patient safety

402 Surgical Options, Techniques and Outcomes for Post-Operative Extremity Lymphoedema
Panelists: David Chang, MD; Ming-Huei Cheng, MD; Isao Koshima, MD; Scott Sullivan, MD
Description: This session will cover the outcome and physiology of vascularized groin lymph node transfers for the venous drainage, and how they may apply this novel technique to the patients with postmastectomy upper extremity lymphedema.
Objective:
1. Discuss the outcome and physiology of vascularized groin lymph node transfer for the venous drainage
2. Apply this novel technique to the patients with postmastectomy upper extremity lymphedema.

403 Advances in Soft Tissue Reconstruction of the Lower Extremity Defects
Panelists: L. Scott Levin, MD, FACS; Lawrence Coien, MD; A. Lee Delton, MD; Raymond Dunn, MD
This session will review current wound care and operative strategies to manage diabetic lower extremity wounds.
Objectives:
1. Manage diabetic foot ulceration involving multiple regions of the foot
2. Discuss the biomechanical abnormalities that need to be addressed to ensure long term results

404 Alternative (Non-Abdominal Based) Perforator Flap Breast Reconstruction
Panelists: Steven Kronowitz, MD; Joshua Levine, MD; Moustapha Hamdi, MD, PhD; Michael Zenn, MD
Description: This course will focus on perforator alternatives to TRAM flaps, while describing the options and patient selection process. Case examples will be used to discuss common applications and pitfalls.
Objectives:
1. Evaluate patients for a wider range of flaps
2. Identify the technical difficulties of these choices

2:30 - 2:50pm Break with Exhibitors

ASRM Concurrent Break Out Panels
2:50 - 4:05pm

1.25 AMA PRA Category 1 Credits™

405 Refinements in Mandibular Reconstruction
Panelists: Howard Langstein, MD; Giorgio De Santis, MD; Matthew Hanasono, Joseph Disa, MD
Description: This course will focus on how the reconstruction of oncologic mandibular defects with vascularized bone has become the gold standard with most surgeons favoring the fibular osteocutaneous free flap. Controversy arises when the patient is not a suitable candidate for free fibular reconstruction. This presentation will identify which defects may be reconstructed with soft tissue free flaps alone and which defects may need alternative vascularized bone flaps. The use of preoperative virtual planning and medical model making for increased accuracy and speed will also be introduced.
Objectives:
1. Identify cases in which segmental defects of the mandible can be reconstructed with soft tissue free flaps.
2. Identity alternatives to free fibular reconstruction in patients who are not suitable candidates (e.g., lower extremity peripheral vascular disease)
3. Identify cases in which preoperative flap design with medical models may be advantageous

406 Reconstruction of Complex Abdominal Wall Defects

Panelists: Donald Baumann, MD; Charles E. Butler, MD; Gregory Dumanian, MD; Milan Stevanovic, MD

407 Revising Free Flap Breast Reconstructions: Techniques to Optimize Outcomes
Panelists: Philip Blondeel, MD; Pierre Chevray, MD, PhD; Joan Lipa, MD, MSc, FRCS; Robert L. Walton, MD, FACS

408 Current Options and Techniques for Vascularized Bone Flaps for Extremity and Pelvic Reconstruction
Panelists: J. Brian Boyd, MD, FRCS, FACS; Allen Bishop, MD; David Chang, MD; Marco Innocenti, MD; L. Scott Levin, MD, FACS

Best Case/Best Save Programming
4:15 - 6:15pm
Moderator: Michael Zenn, MD
Submissions of microsurgical salvage cases performed during the last year will be presented and a panel of experts will critique the submitted cases. Attendees' votes will be tabulated to select the best case and the best save for the Best Microsurgical Save of the Year Award and the Best Microsurgical Case of the Year Award to be presented at the conclusion of the session.

This activity is supported by educational grants from Synovis, MCA

7:00 - 10:00pm Presidential Dinner (invitation only)
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<td>6:30am – 8:30am</td>
<td>Breakfast with Exhibitors</td>
<td>Royal Palm 6-10</td>
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<tr>
<td>6:30am</td>
<td>Past Presidents Breakfast (Invitation Only)</td>
<td>Cathedral</td>
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<td>7:00am – 8:15am</td>
<td>Concurrent Break Out Panels</td>
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<tr>
<td>409</td>
<td>Advances in Perforator Flap Head and Neck Reconstruction</td>
<td>Galeria South</td>
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<td>410</td>
<td>Optimizing Efficacy in Microsurgical Breast Reconstruction</td>
<td>Galeria North</td>
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<tr>
<td>411</td>
<td>Reconstruction of Extremity Sarcoma Defects</td>
<td>Veranda 4</td>
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<td>412</td>
<td>Vaginal and Perineal Reconstruction</td>
<td>Addison</td>
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<td>8:30am – 9:45am</td>
<td>PANEL: Advances in Head and Neck Reconstruction</td>
<td>Royal Palm 1-5</td>
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<td>9:45am – 10:05am</td>
<td>Break with Exhibitors</td>
<td>Royal Palm 6-10</td>
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<td>10:05am – 11:15am</td>
<td>ASRM Concurrent Scientific Paper Presentations</td>
<td>Royal Palm 1-5</td>
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<td>C1 Extremities</td>
<td>Addison</td>
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<tr>
<td>11:15am – 12:00pm</td>
<td>Buncke Lecture: Susumu Tamai, MD, PhD</td>
<td>Royal Palm 1-5</td>
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<tr>
<td>12:00pm – 12:30pm</td>
<td>Lunch with Exhibitors</td>
<td>Royal Palm 6-10</td>
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<tr>
<td>12:30pm – 1:15pm</td>
<td>Presidents Invited Lecture: John Fildes, MD</td>
<td>Royal Palm 1-5</td>
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<tr>
<td>12:45pm – 4:45pm</td>
<td>ASRM Digital Poster Viewing</td>
<td>Royal Palm Pre-Assembly</td>
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<tr>
<td>1:15pm – 2:15pm</td>
<td>ASRM Concurrent Scientific Paper Presentations</td>
<td>Royal Palm 1-5</td>
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<td></td>
<td>D1 Breast</td>
<td>Addison</td>
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<td>D2 Nerve and Torso</td>
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<tr>
<td>2:15pm – 2:30pm</td>
<td>Break</td>
<td>Royal Palm Pre-Assembly</td>
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<tr>
<td>2:30pm – 3:15pm</td>
<td>Presidents Address: William A. Zamboni, MD</td>
<td>Royal Palm 1-5</td>
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<tr>
<td>3:30pm – 4:45pm</td>
<td>Concurrent Break Out Panels</td>
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<tr>
<td>413</td>
<td>Cutting Edge Solutions for Facial Paralysis</td>
<td>Galeria South</td>
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<td>414</td>
<td>Soft Tissue Reconstruction of Spinal Defects Reconstruction</td>
<td>Galeria North</td>
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<tr>
<td>415</td>
<td>Microsurgical Advances in Hand and Forearm Reconstruction</td>
<td>Veranda 4</td>
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<td>416</td>
<td>Management of Partial Mastectomy Defects: Indications, Timing and Techniques</td>
<td>Addison</td>
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<tr>
<td>5:30pm – 6:30pm</td>
<td>Godina Alumni Reunion (Invitation Only)</td>
<td>Palm Court</td>
</tr>
<tr>
<td>6:30pm – 8:30pm</td>
<td>ASRM Social Event</td>
<td>Old Homestead Restaurant /Boca Raton Resort</td>
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Monday, January 11, 2010

6:30 - 8:30am  Breakfast with Exhibitors

6:30  Past Presidents Breakfast (Invitation Only)

ASRM Concurrent Break Out Panels
7:00 - 8:15am

1.25 AMA PRA Category 1 Credits™

409 Advances in Perforator Flap Head and Neck Reconstruction
Panelists: Peter C. Neligan, MD; Stefan Hofer, MD; Steven Morris, MD; Julian Pribaz, MD

Description: The essence of the free perforator flap for head and neck reconstruction is not the flap itself but what you do with it. This course will review local perforator flaps that have been around for a long time but have been reclassified as a result of the development of free perforator flap surgery. Panelists will discuss the meticulous planning necessary and how to keep the required functionality and aesthetic unit principles in mind to achieve optimal outcomes.

Objective:
1. Practice with full confidence in the vascularity of perforator flaps for the head and neck area by making a meticulous plan to achieve optimal outcomes.

410 Optimizing Efficacy in Microsurgical Breast Reconstruction in Academic and Non-Academic Practices
Panelists: Keith E Brandt, MD; Frederick J. Duffy, MD; Gabriel M. Kind, MD; Joseph M. Sarokli, MO, FACS

This panel will take an in-depth look at the entire practice of breast reconstruction from referrals to billings and collections to provide the best practice patterns for 2010. Patient selection, design and staging of various reconstructive procedures, performance enhancements of common procedures, efficient post-operative management and guidelines for optimizing reimbursement will be discussed.

Objectives:
1. Plan the optimal management program to minimize the total number of procedures required
2. Optimally stage and/or potentially combine procedures to achieve the best result.

411 Reconstruction of Extremity Sarcoma Defects
Panelists: E. Gene Deunne, MD; Michael Sauerbier, MD, PhD; Justin Sacks, MD; Hans Steinau, MD

412 Vaginal and Perineal Reconstruction
Panelists: Jeffrey Friedman, MD; Charles E. Butler, MD; Hoornan Soltanian, MD; Christopher Salgado, MD

Description: This course will review problems encountered in acquired perineal and vaginal deformities and discusses how to optimize the use and technical performance of available flap techniques.

Objectives:
1. Practice with an increased awareness of the available techniques applicable to pelvic/vaginal deformity and wounds.

Panel: Advances in Head and Neck Reconstruction
8:30 - 9:45 am

8:30 - 9:00 am  Virtual Planning, Intra-Operative Navigation and the Use of 3-D Modeling for Midface Reconstruction: Roman Skovacki, MD

8:05 - 8:30 am  Free Bone Flap Reconstruction of the Facial Skeleton: Eduardo Rodriguez, MD

8:30 am - 9:00 am  Non-Standard Perforator Flaps for Head and Neck Reconstruction: Fu Chian Wei, MD, FACS

Management of the Difficult, Irradiated, Re-operate Neck: Peirong Yu, MD

Description: The session will describe advances in head and neck reconstruction and, in particular, the role of perforator flaps in those reconstructions. Panelists will also discuss recent advances in head and neck reconstruction, including the management of osteoradionecrosis.

Objectives:
1. Recognize when perforator flaps might be applied in head and neck reconstruction
2. Manage difficult head and neck reconstruction

Patient safety is a priority.

9:45 - 10:05am  Break with Exhibitors

ASRM Concurrent Scientific Paper Presentations: C1-C2
10:05 - 11:15am

C-1: Extremities

Moderators: L. Scott Levin, MD, FACS; Alexander Georgescu, MD
* Designates residents/fellow paper presentations

10:05 am - 10:10 am  Free Flap Reconstruction in Management of Locally Recurrent Soft Tissue Sarcoma after Failure of Multimodality Treatment
Institution where the work was prepared: Mount Sinai Hospital/University Health Network, Toronto, Canada
Stefan O.P. Hofer, MD, PhD, FRCS(C); Antionette A. Van Driel; Majid A. Al-Yamani; Anthony Griffin; Benjamin M. Deheshi; Peter C. Ferguson; Jay S. Wunder

10:10 am - 10:15 am  *Functional Outcome after Flap Reconstruction Following Upper Limb Soft Tissue Sarcoma Resection
Institution where the work was prepared: Mount Sinai Hospital and University Health Network, Toronto, Canada
Caroline E. Payne, MD, MSc, FRCS; Stefan O.P. Hofer, MD, PhD, FRCS(C); Peter C. Ferguson, MD, FRCS(C); Benjamin M. Deheshi, FRCS(C); Jay S. Wunder, MD, FRCS(C)

10:15 am - 10:20 am  *Economic Flap Design of Split Anterolateral Thigh Cutaneous Flap on Lower Extremity Reconstruction
Institution where the work was prepared: Chang Gung Memorial Hospital, Taoyuan, Taiwan
Chun-Cheng Hsu; Yu-Te Lin, medical, doctor; Cheng-Hung Lin, MD; C.H. Lin

10:20 am - 10:24 am  Discussion

10:24 am - 10:29 am  Supraepigastrial Pedicle Perforator Flap: Clinical Results and Vascular Anatomy
Institution where the work was prepared: University of Texas, Southwestern Medical Center, Dallas, TX, USA
Alexander T. Nguyen, MD; Corrine Wong; Ali Mojallali, MD; Michel Saint-Cyr, MD

10:29 am - 10:34 am  The Use of Upper Medial Thigh Perforator Flap for Soft Tissue Reconstruction
Institution where the work was prepared: Asan Medical Center, University of Ulsan, Seoul, South Korea
Joon Pio Hong, MD, PhD, MBA

10:34 am - 10:37 am  Discussion

10:37 am - 10:42 am  *Quadriceps Muscle Function Following Harvest of the Rectus Femoris Muscle as a Pedicle Flap for Complex Groin Wound Reconstruction
Institution where the work was prepared: University of Rochester, Rochester, NY, NY, USA
Hani Sbitany, MD; Peter F Koltz; John A Girotto; Stephen J Vega; Howard N Langstein

10:42 am - 10:47 am  Selection of the Recipient Vein in Microvascular Reconstruction of the Lower Extremity: Analysis of 362 Consecutive Cases
Institution where the work was prepared: Chang Gung Memorial Hospital, Taipei, Taiwan
Cheng-Hung Lin, MD; Andrés Rodrigo Lorenzo, MD; Chih-Hung Lin, MD; Yu-Te Lin, MD; Fo-Chen Wei, MD

10:47 am - 10:52 am  Pitfalls in Reconstruction of Heel Defects Due to Ground Landmine Explosions
Institution where the work was prepared: Guilhane Military Medical Academy, Ankara, Turkey
Serdar Ozurt, Fatih Zor; Ismail Sahin; Muhitdin Eski; Mustafa Nisanci; Mustafa Deveci; Selcuk Isik

10:52 am - 10:57 am  *Choosing the Ideal Flap for Soft Tissue Coverage of Distal Forearm, Dorsum and First Wrist Space of the Hand
Institution where the work was prepared: The Bunke Microsurgery Clinic, San Francisco, CA, USA
Joseph Bou - Merhi; Rudy F. Buntic, MD; Brian Parrett; Gregory M. Buncke; Bauback Safa; Darrell Brooks

10:57 am - 11:01 am  Discussion

11:01 am - 11:06 am  Gene Expression Analysis in Ischemia Reperfusion Injury Treated with Hyperbaric Oxygen Reveals Retinol Saturase Involvement
Institution where the work was prepared: University of Nevada School of Medicine, Las Vegas, NV, USA
Ross Stutman, MD; William Zambroni

11:06 am - 11:11 am  Surgical Angiogenesis – a new Approach in Allogenic Joint Transplantation to Prevent Immunosuppression
Institution where the work was prepared: Mayo Clinic, Rochester, MN, USA
Thomas Kremmer, MD; Wouter Willems, MD; Patricia F. Friedrich; Guilherme Giusti, MD; Allen T. Bishop, MD

11:11 am - 11:14 am  Discussion
The Harry Buncke Lectureship has been created with the support of the California Pacific Medical Center to honor Dr. Buncke’s remarkable contributions to the field of microsurgery. Dr. Harry Buncke has played a major role in the development of our specialty and has helped develop several microsurgical laboratories across the globe. He has influenced countless residents and fellows as well as numerous department chairs throughout the world. It is with great appreciation that we are able to honor Dr. Harry Buncke with his leadership due to funding provided by the California Pacific Medical Center. It is our pleasure to introduce Susumu Tamai, MD, PhD as the 2010 Buncke Lecturer.

Title: “Forty Years of Research and Clinical Practice in Reconstructive Microsurgery; A Review of My Tenure at Nara Medical University”

Two clinical experiences of replanting and revascularizing incompletely amputated thighs in human beings in 1958 and 1959 taught us that “an amputated limb could be replanted only if the main vessels were successfully anastomosed after cleansing and debridement of the wounds, as early as possible after the injury”. These were the spark that touched off an extensive project of experimental surgery on limb replantation. Thereafter, this project continued until 1980, a 20 year period. In 1960, after the report of Jacobson’s microvascular anastomosis, we introduced this technique for our experiments on free muscle transplantation in dogs. This work culminated in the world’s first replantation of an amputated thumb in 1956. Since then, our microsurgical research and clinical practice in limb/digit replantations and free tissue transfers developed significantly during the next 30 years of my practice.

Objectives:
1. Discuss innovations in microsurgical research and clinical practice for limb/digit replantations and free tissue transfers

This activity is supported by educational grants from other grantor: 501c organization the California Pacific Medical Center.
D-2: Nerve & Torso
Moderators: Paul Cecelma, MD; Gregory R. D. Evans, MD, FACS
* Designates residents/fellow paper presentations

1:15 pm - 1:20 pm
Microsurgical Management of War Wounds
Institution where the work was prepared: Militar Central Hospital, BOGOTA, Colombia
Luis Bermudez, MD; Luis Nieto, MD

1:20 pm - 1:25 pm
*Laparoscopic Harvest of the Epigastric Artery and Vein Combined with Microsurgical Anastomosis for Testicular Autotransplantation
Institution where the work was prepared: Baylor College of Medicine, Houston, TX, USA
Stephen Higuera, MD; Daniel A. Hatef, MD; Michael Hsieh, MD; Lawrence Cisek, md; Jeffrey Friedman, md; Lior Heller, MD

1:25 pm - 1:30 pm
Surgical Treatment for Persistent Pain after Abdominal Wall and/or Breast Reconstruction
Institution where the work was prepared: Johns Hopkins University, Baltimore, MD, USA
Eric H. Williams, MD; Gedge D. Rosson; A. Lee Dellon, MD, PhD

1:30 pm - 1:35 pm
Discussion

1:35 pm - 1:40 pm
*Reconstruction of No-man-land Defects after Resection of Malignancies
Institution where the work was prepared: Mayo Clinic, Rochester, MN, USA
Nho V. Tran; turkan Erol Karabekmez, MD; Craig H. Johnson; Duyman Ahmed; Steven L. Moran; Allen T. Bishop; Ricky P. Clay

1:40 pm - 1:45 pm
*Reconstruction of Extensive Abdominal Wall Defects with Large Microvascular Tensor Fascia Latae Flap
Institution where the work was prepared: Department of Plastic Surgery, Helsinki University Hospital, Helsinki, Finland
Eikki Tukiainen, MD, prof; Ari Loipanen, MD

1:45 pm - 1:50 pm
Rigid Sternal Fixation in the Management of Pediatric Post-Median Sternotomy Mediastinitis: A 19-Year Study
Institution where the work was prepared: University of Chicago Hospitals, Chicago, IL, USA
Sheileeth Agarwal, BS; Michelle C. Roughton; David H. Song; Lawrence J. Gottlieb

1:50 pm - 1:55 pm
Discussion

2:15-2:30pm Break

Presidents Address
2:30 - 3:15pm
Lecturer: William A. Zamboni, MD

ASRM Concurrent Break Out Panels
3:30 - 4:45pm
1.25 AMA PRA Category 1 Credits™

413 Cutting-Edge Solutions for Facial Paralysis
Panelists: Michael Zenn, MD; Eyal Gur, MD; Michael Klebuc, MD; Ronald M. Zuker, MD, FRCSC
Description: This course will review current practice for facial animation and discuss challenges and creative solutions to common problems.
Objectives:
1. Practice with an increased awareness of new options for facial reanimation
Patient safety

414 Soft Tissue Reconstruction of Spinal Defects
Panelists: Joseph J. D Isa, MD; Melissa Crosby, MD; Donald Baumann, MD
Description: This session will describe the importance of multidisciplinary approaches to spinal defects in cancer patients. The course will also focus on the description of spinal defects and implications of spinal hardware, while discussing different flap options for reconstructing spinal defects and the role of VAC therapy in spinal wounds.
Objectives:
1. Construct an algorithmic and multidisciplinary approach to spinal reconstruction
2. Identify the spinal wounds requiring flap reconstruction and examine the different flap options for various spinal wounds

415 Microsurgical Advances in Hand and Forearm Reconstruction
Panelists: Michael W. Neumeister, MD; Gunter Germann, MD; Michael Sauerbier, MD; Milan Stevanovic, MD

416 Management of Partial Mastectomy Defects: Indications, Timing and Techniques
Panelists: Elisabeth Beahm, MD; Neil A. Fine, MD, FACS; Moustapha Hamdi, MD, PhD; Aldona J. Spiegel, MD
This session will present cases and selection criteria for use of distal flaps for partial breast reconstruction.
Objectives:
1. Discuss the variety of options available for partial breast reconstruction.

5:30 - 6:30pm Godina Alumni Reunion (Invitation Only)

6:30 - 8:30pm ASRM Social Event
American Society for Reconstructive Microsurgery
DAY-AT-A-GLANCE
Tuesday, January 12, 2010

7:00am – 4:00pm  Speaker Ready Room  Veranda 2

7:00am – 2:00pm  Meeting Services  Royal Palm
Pre-Assembly

7:00am – 12:00pm  ASRM Digital Poster Viewing  Royal Palm
Pre-Assembly

7:00am – 8:00am  Business Meeting (members only)  Royal Palm 1-5

6:30am – 8:30am  Breakfast  Royal Palm
Pre-Assembly

8:00am – 9:15am  Concurrent Break Out Panels
417  Risk, Benefit, Cost Effectiveness and Outcomes
Of Face Transplant  Galeria South
418  Rationale Approaches to Perforator Selection in
Abdominal-Based Flap Breast Reconstruction  Galeria North
419  Advances in Sternal and Chest Wall Reconstruction  Addison

8:00am – 9:30am  ASRM Council Meeting  Veranda 4

9:30am – 10:45am  ASRM Scientific Paper Presentations
E Basic Science  Royal Palm 1-5

10:45am – 12:00pm  PANEL: Hot Topics in Breast Reconstruction  Royal Palm 1-5

1:00pm – 5:45pm  Clinical Update in Reconstructive
Transplantation: Where Do We Stand?  Addison
ASRM Concurrent Break Out Panels
8:00- 9:15am
1.25 AMA PRA Category 1 Credits™

417 Risk, Benefit, Cost Effectiveness and Outcomes of Face Transplants
Panelists: Maria Siemionow, MD, PhD, DSc; Lawrence Gottlieb, MD; Elliot Rose, MD; Robert L. Walton, MD, FACS
Description: This session will examine the comparative data on medical indications, patient selection, long-term morbidity, and financial impact of autogenous CTA facial transplantation versus stage autogenous reconstruction of severely disfigured faces.
Objective:
1. Evaluate the medical indications and cost factors in deciding between CTA facial transplant and staged autogenous reconstruction for severely disfiguring facial deformities.

418 Rationale Approaches to Perforator Selection in Abdominal-Based Flap Breast Reconstruction
Panelists: Michel Saint-Cyr, MD, FRCS (c); Steven Kronowitz, MD; Alanna Rebecca, MD; Gagee Ross, MD
Description: This session will look at CT angiogram or MR angiogram of the anterior abdominal wall for DIEP flap planning, classifications of abdominal wall vessels based on radiographic imagine and the use of preoperative CT scan to predict DIEP flap weights.
Objectives:
1. Analyze the potential benefits of preoperative imaging of the anterior abdominal wall and the radiographic classifications of the abdominal wall.

419 Advances in Sternal and Chest Wall Reconstruction
Panelists: David H. Song, MD; Scott Oates, MD; Dennis Orgill, MD
Description: This session will look at the full spectrum of diagnosis and treatment of sterna non-unions.
Objectives:
1. Describe the accepted treatment protocols for debridement and bone grafting.
2. Describe technical refinements in breast reconstruction
3. Analyze the options for sterna fixation and the importance of osteosynthesis.

ASRM Scientific Paper Presentation: E
9:30 - 10:45am
Basic Science
Moderators: Maria Siemionow, MD; David Mathes, MD
* Designates residents/fellow paper presentations

9:30 am - 9:35 am
Infection: the Only Serious Adverse Event in CTA to the Face
Institution where the work was prepared: Hospital Henri Mondor (aphp), CRETEIL, France
L. Lantierl, Jean Paul Meningaud; Philippe Grimbert, MD, PHD; M. Hivelin, MD; Marc David Benjoar

9:35 am - 9:40 am
“New Composite Tissue Allotransplantation Survival by T-cell regulation in a Rodent Hind-Limb Allotransplantation Model”
Institution where the work was prepared: Cleveland Clinic, Cleveland, OH, USA
Christian A. Radu, MD; J. Kiefer; D. Horn; S. Baumester, MD; M. Rebel, MD; MM Gebhard, MD; F. Fändrich, MD; T. Kremer, MD; G. Germann, MD, PhD

9:40 am - 9:45 am
Update on the Louisville Hand Transplant Experience
Institution where the work was prepared: Christine M Kleinert Institute, Louisville, KY USA
Warren C. Breidenbach; Kv Ravindra, MD; B. Blair, RN, MSN, Jl Buell, MD; C. Kaufman, PhD

9:45 am - 9:50 am
“Dendritic Cells Prolong Allograft Survival through Induction of T-cell Regulation and TGF-â Expression in a Rodent Hind-Limb Allotransplantation Model”
Institution where the work was prepared: Chang Gung Memorial Hospital-Kaohsiung Medical Center, Kaohsiung, Taiwan
Yue-Ren Kuo, MD, PhD, FACS, Chong-Wei Huang; Shigeru Goto; Chun-Ting Wang; Chien-Chang Chen; Fu-Chan Wei; W. P. Andrew Lee, MD

9:50 am - 9:54 am
Mesenchymal Stem Cells Prolong Composite Tissue Allotransplantation Survival by T-cell regulation in a Swine Model
Institution where the work was prepared: Chang Gung Memorial Hospital-Kaohsiung Medical Center, Kaohsiung, Taiwan
Yue-Ren Kuo, MD, PhD, FACS; Hsiang-Shun Shih; Chien-Chang Chen; Chung-Hwei Huang; Chun-Ting Wang; Fu-Chan Wei; W. P. Andrew Lee, MD

10:04 am - 10:09 am
Outcomes of Face Transplantation
Institution where the work was prepared: Department of Hand-, Plastic- and Reconstructive Surgery, Heidelberg University, Germany
Christian A. Radu, MD; J. Kiefer; D. Horn; S. Baumester, MD; M. Rebel, MD; MM Gebhard, MD; F. Fändrich, MD; T. Kremer, MD; G. Germann, MD, PhD

10:18 am - 10:23 am
“Donor-Derived Transplant Acceptance-Inducing Cells in Composite Tissue Allotransplantation”
Institution where the work was prepared: Cleveland Clinic, Cleveland, OH, USA

10:36 am - 10:41 am
“Vascularized Free Fibula Composite Tissue Allograft (CTA) Survival with Tacrolimus Monotherapy in Non-Human Primates”
Institution where the work was prepared: University of Maryland School of Medicine, Baltimore, MD, USA
Helen G. Hui-Chou, MD; Arthur J. Nam; Matthew G. Stanwick; Cinthia B. Drachenberg; Debra Kukuruga; Steven Shipley, DVM

10:45 am - 12:00pm
Panel: Hot Topics in Breast Reconstruction
10:45 - 12:00pm
Moderator: Joseph M. Serletti, MD
Breast Reconstruction and Radiation Therapy: Steve Kronowitz, MD
Pre-Operative Perforator Mapping: Maurice Nabhadebian, MD
Adjunctive Fat Grafting for Revising Autologous Breast Reconstruction: Roger Khouri, MD
Comparative Outcomes of Non-abdominal Based Free Flap Breast Reconstruction: Robert Allen, MD
Description: Expert panelists will review current practices in patient selection for breast reconstruction, including how to identify patients at risk for complications. Panelists will also discuss how properly selected patients can be matched with techniques to maximize aesthetic outcomes in breast surgery.
Objectives:
1. Identify patients best suited for a particular technique in breast reconstruction
2. Describe technical refinements in breast reconstruction

Panel: Discussion
10:45 - 12:00pm
Participants: Fatih Zor, MD; Mehmet Bozkurt; Alexander Klimczak; Dileep Nair; Christian A. Radu, MD; J. Kiefer; D. Horn; S. Baumester, MD; M. Rebel, MD; MM Gebhard, MD; F. Fändrich, MD; T. Kremer, MD; G. Germann, MD, PhD

Panel: Discussion
10:54 am - 11:00pm
Participants: Fatih Zor, MD; Mehmet Bozkurt; Alexander Klimczak; Dileep Nair; Christian A. Radu, MD; J. Kiefer; D. Horn; S. Baumester, MD; M. Rebel, MD; MM Gebhard, MD; F. Fändrich, MD; T. Kremer, MD; G. Germann, MD, PhD

Panel: Discussion
11:04 am - 11:10pm
Participants: Fatih Zor, MD; Mehmet Bozkurt; Alexander Klimczak; Dileep Nair; Christian A. Radu, MD; J. Kiefer; D. Horn; S. Baumester, MD; M. Rebel, MD; MM Gebhard, MD; F. Fändrich, MD; T. Kremer, MD; G. Germann, MD, PhD

Panel: Discussion
11:10 am - 11:15pm
Participants: Fatih Zor, MD; Mehmet Bozkurt; Alexander Klimczak; Dileep Nair; Christian A. Radu, MD; J. Kiefer; D. Horn; S. Baumester, MD; M. Rebel, MD; MM Gebhard, MD; F. Fändrich, MD; T. Kremer, MD; G. Germann, MD, PhD

Panel: Discussion
11:15 am - 11:20pm
Participants: Fatih Zor, MD; Mehmet Bozkurt; Alexander Klimczak; Dileep Nair; Christian A. Radu, MD; J. Kiefer; D. Horn; S. Baumester, MD; M. Rebel, MD; MM Gebhard, MD; F. Fändrich, MD; T. Kremer, MD; G. Germann, MD, PhD

Panel: Discussion
11:20 pm - 11:25pm
Participants: Fatih Zor, MD; Mehmet Bozkurt; Alexander Klimczak; Dileep Nair; Christian A. Radu, MD; J. Kiefer; D. Horn; S. Baumester, MD; M. Rebel, MD; MM Gebhard, MD; F. Fändrich, MD; T. Kremer, MD; G. Germann, MD, PhD

Panel: Discussion
11:25 pm - 11:30pm
Participants: Fatih Zor, MD; Mehmet Bozkurt; Alexander Klimczak; Dileep Nair; Christian A. Radu, MD; J. Kiefer; D. Horn; S. Baumester, MD; M. Rebel, MD; MM Gebhard, MD; F. Fändrich, MD; T. Kremer, MD; G. Germann, MD, PhD

Panel: Discussion
11:30 pm - 11:35pm
Participants: Fatih Zor, MD; Mehmet Bozkurt; Alexander Klimczak; Dileep Nair; Christian A. Radu, MD; J. Kiefer; D. Horn; S. Baumester, MD; M. Rebel, MD; MM Gebhard, MD; F. Fändrich, MD; T. Kremer, MD; G. Germann, MD, PhD

Panel: Discussion
11:35 pm - 11:40pm
Participants: Fatih Zor, MD; Mehmet Bozkurt; Alexander Klimczak; Dileep Nair; Christian A. Radu, MD; J. Kiefer; D. Horn; S. Baumester, MD; M. Rebel, MD; MM Gebhard, MD; F. Fändrich, MD; T. Kremer, MD; G. Germann, MD, PhD

Panel: Discussion
11:40 pm - 11:45pm
Participants: Fatih Zor, MD; Mehmet Bozkurt; Alexander Klimczak; Dileep Nair; Christian A. Radu, MD; J. Kiefer; D. Horn; S. Baumester, MD; M. Rebel, MD; MM Gebhard, MD; F. Fändrich, MD; T. Kremer, MD; G. Germann, MD, PhD

Panel: Discussion
11:45 pm - 11:50pm
Participants: Fatih Zor, MD; Mehmet Bozkurt; Alexander Klimczak; Dileep Nair; Christian A. Radu, MD; J. Kiefer; D. Horn; S. Baumester, MD; M. Rebel, MD; MM Gebhard, MD; F. Fändrich, MD; T. Kremer, MD; G. Germann, MD, PhD

Panel: Discussion
11:50 pm - 11:55pm
Participants: Fatih Zor, MD; Mehmet Bozkurt; Alexander Klimczak; Dileep Nair; Christian A. Radu, MD; J. Kiefer; D. Horn; S. Baumester, MD; M. Rebel, MD; MM Gebhard, MD; F. Fändrich, MD; T. Kremer, MD; G. Germann, MD, PhD

Panel: Discussion
11:55 pm - 12:00pm
Participants: Fatih Zor, MD; Mehmet Bozkurt; Alexander Klimczak; Dileep Nair; Christian A. Radu, MD; J. Kiefer; D. Horn; S. Baumester, MD; M. Rebel, MD; MM Gebhard, MD; F. Fändrich, MD; T. Kremer, MD; G. Germann, MD, PhD
Clinical Update in Reconstructive Transplantation: Where Do We Stand  
1:00 - 5:35pm

The following scientific session has been endorsed by the American Society For Reconstructive Transplantation

Chair: David Mathes, MD

Description: Discuss the latest clinical updates and technical issues surrounding composite tissue transplantation. This session will feature invited presentations and scientific papers on critical aspects and innovations in reconstructive transplantation, as well as updates from all the current CTA programs in the United States. A panel discussion will highlight various aspects of establishing a CTA program, featuring critical topics such as the IRB, screening and selecting the right patients, and complications in reconstructive transplantation.

Objectives:
- Review current research and technique related to composite tissue transplantation
- Discuss the role of the IRB in establishing a CTA program
- Practice with an improved awareness of and response to related patient safety issues, including patient selection and avoidance and management of complications
- Describe the latest technical advances in hand and face transplantation for both the donor and recipient operations

Introduction
1:00 - 1:10pm

Welcome: Stefan Schneeberger, MD

Keynote Address: Pioneering Transplantation—What it Takes  
1:10 - 1:40pm

Chair: Stefan Schneeberger, MD
Invited Speaker: Raimund Margreiter, Innsbruck Austria

Establishing a CTA Program: An interactive Discussion
Chairs: Linda Cendales, MD; L. Scott Levin, MD

The IRB: Help or Hurdle  
1:40 - 1:55pm

Vijay Gorantla, MD

Screening and Selecting the Right Patient’s for CTA  
1:55 - 2:10pm

Christina Kaufman, MD

Complications in Reconstructive Transplantation: What now?  
2:10 - 2:25pm

Laurent Lantieri, MD

Round-table discussion  
2:25 - 2:50pm

2:50 - 3:00pm  Break

Clinical Update on Clinical CTA Program Update in the US  
Chairs: Maria Siemionow, MD; David Mathes, MD

Louisville Hand Transplant Program Update  
3:00 - 3:15pm

Warren Breidenbach, MD

Pittsburgh Hand Transplantation Program Update  
3:15 - 3:30pm

W.P. Andrew Lee, MD

Cleveland Clinic Facial Transplantation Program Update  
3:30 - 3:40pm

Maria Siemionow, MD

Brigham Facial Transplantation Program Update  
3:45 - 3:55pm

Bohdan Pomahac, MD

3:55 - 4:45pm  Break

Scientific Paper Presentations: F  
4:15 - 4:40pm

Moderator: Justin Sachs, MD & Co-Moderator: Eduardo Rodriguez, MD

Technical Aspects of CTA Transplantation  
Chairs: Joseph Serletti, MD; Robert Walton, MD

Technical Issues in Hand Transplantation  

The Hand Transplant Donor Operation  
4:40 – 4:55pm

Rodrigo Banegas, MD

The Hand Transplant Recipient Operation  
4:55 – 5:10pm

Kodi Azari, MD

Technical Issues in Facial Transplantation  

The Facial Donor Operation  
5:10 – 5:20pm

Risal Djohan, MD

The Facial Recipient Operation  
5:20 – 5:35pm

Julian Pribaz, MD

Closing Remarks  
5:35 - 5:45pm