



**The Midwestern Association of Plastic Surgeons**

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The Midwestern Association of Plastic Surgeons  
in Conjunction with the Chicago Medical Society

Presents

**The Midwestern Association of Plastic Surgeons  
49<sup>th</sup> Annual Scientific Meeting**

Saturday, May 15, 2010 7:30 a.m. to 5:00 p.m.  
Sunday, May 16, 2010 7:30 a.m. to 12:30 p.m.

Northwestern Memorial Hospital  
Feinberg Pavilion, 3<sup>rd</sup> Floor Conference Center  
251 East Huron Street  
Chicago, Illinois

MIDWESTERN ASSOCIATION OF PLASTIC SURGEONS  
49<sup>th</sup> Annual Meeting

**Educational Purpose and Intended Audience**

- To provide new information on various topics in Plastic Surgery which will help its members provide better care for their patients
- The target audience includes practicing plastic surgeons and plastic surgeons in training (residents and fellows)
- The scope of professional practice includes general plastic surgery, hand & extremity plastic surgery, pediatric plastic surgery, craniomaxillofacial plastic surgery, breast plastic surgery and aesthetic plastic surgery

**Educational Strategies:** At the end of the CME sessions, participants should be able to:

- Incorporate tissue based planning into breast augmentation
- Demonstrate advantages of 3D imaging in breast augmentation
- Identify factors in proper selection between shaped and round implants
- Understand the spectrum of implant related complications
- Identify the primary drivers for breast revision surgery
- Be able to select the correct options in breast implant revision surgery
- Incorporate capsular contracture treatment options in to practice

Based on the professional practice gap in using breast implants for reconstructive and cosmetic purposes, the following strategies will be used to change competence and performance.

- The speaker will use evidence based recommendations based on outcomes studies to stimulate discussion and personal educational evaluation of audience member's current practice performance
- The speaker will advise the target audience on how to use proper patient evaluation to obtain improved outcomes and reflect on long-term results

**Registration Fees**

The registration fee is \$100.00 for members; \$125.00 non non-members; \$25.00 for fellows, residents, and medical students. These fees cover registration, instruction, educational materials, Saturday lunch, Saturday Reception and Awarding of CME credits.

Due to the small staff and very reasonable fees, no Refunds are available for the MAPS Conference except under special or unusual circumstances or hardship.

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\*Deceased

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*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 Chicago Medical Society and the Midwestern Association of Plastic Surgeons. The Chicago Medical Society is accredited by the ACCME to provide continuing medical education for physicians.*

*The Chicago Medical Society designates this educational activity for a maximum of **2 AMA PRA Category 1 Credits™**. Physicians should only claim credit commensurate with the extent of their participation in the activity.*

The Midwestern Association of Plastic Surgeons acknowledges exhibitor sponsorship from Allergan, Angiotech, Avocet, Axis Three, BioForm Medical, KLS Martin, Life Cell, Lumenis, Medicis, Mentor, Newmedical Technology, Novadaq Tech, Porex Medical, Sound Surgical Tech, Stryker, Synthes CMF, TEI and ViOptix and for this activity.

*The following CMS and MAPS CME planning members involved with this activity have no significant financial relationships to disclose:*

|                     |                        |                         |
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| Michael Bentz, MD   | Reuben Bueno, MD       | Julia Corcoran, MD      |
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| Raphael Lee, MD     | Michael Neumeister, MD | John Murray, MD         |
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| Steven Williams, MD |                        |                         |

Dr. Hijjawi, a member of the MAPS Planning Committee, is a paid consultant for LifeCell Corporation.

Dr. Bengtson is a paid consultant for Allergan Medical Corporation, LifeCell Corporation, and Mentor Corporation.

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Roger L. Rodrigues, MD, Chairman, CME Subcommittee on Joint Sponsorship; Hugo A. Alvarez, MD, Member of CME Subcommittee on Joint Sponsorship; Bapu P. Arekapudi, MD, Member of CME Subcommittee on Joint Sponsorship; Marella L. Hanumadass, MD, Member of CME Subcommittee on Joint Sponsorship; and Cecilia Merino, Chicago Medical Society, Director of Education

M. Anita Johnson, MD, Member of CME Subcommittee on Joint Sponsorship, has disclosed that she is a shareholder with the following: Pfizer, Merck, Abbott Laboratories, Bristol Meyers Squibb, and Zimmer Holdings, Inc.

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Novadaq Tech

Porex Medical

Sound Surgical Tech

Stryker

Synthes CMF

TEI Biosciences

ViOptix, Inc

**SATURDAY MAY 15, 2010**

**7: 00 am** **REGISTRATION**

|                        |  |
|------------------------|--|
| <b>7:30 to 7:40 am</b> | <b>WELCOMING REMARKS</b><br><b>Rajendra Shah, MD</b> |
|------------------------|--|

**Basic Research in Plastic Surgery – Non CME**  
**Moderator: Michael Neumeister, M.D.**

7:40 – 7:47 **Bacterial Biofilms Delay Reepithelialization in a Novel Murine Chronic Wound Model**  
Clark F. Schierle MD, PhD, Thomas A. Mustoe, MD,  
Robert D. Galiano, MD  
Northwestern University

7:48 – 7:55 **Early Growth Response Factor-1: Expression in a Rabbit Flexor Tendon Scar Model**  
Brian M. Derby MD, Chris Chambers PhD, Joel Reichensperger BS,  
 Hans Suchy MS, Michael W. Neumeister MD, FRCSC, FACS  
 Southern Illinois University School of Medicine

7:56 – 8:03 **Integra Application on Denuded Tendon in an Animal Model**  
Diederich Ryan, MD; Hegge Therea; Neumeister Michael; Hulsen John;  
 Bueno Reuben, Jr.  
 Southern Illinois University School of Medicine

8:04 – 8:11 **The Effects of Targeted Reinnervation on Neuroma Formation in a Novel Rat Hindlimb Model**  
Jason H. Ko, MD; Mauricio de la Garza, MD; Paul D. Marasco, PhD;  
 Gregory A. Dumanian, MD; and Todd A. Kuiken, MD, PhD  
 Northwestern University

8:12 – 8:19 **Modified End-to-Side Phrenic Nerve Neurorrhaphy allowing Preservation of Diaphragm Function**  
Yan, J.G., Hettinger, P.C., Zhang, L.L., Matloub, H.S.  
Medical College of Wisconsin

**8:20 – 8:27 Evaluation of Reverse End-to-Side Neurorrhaphies in an Animal Model**  
Santosh S. Kale MD MBA, Susan E. Mackinnon MD,  
Philip P. Johnson PhD, Daniel A. Hunter RA, Alice Y. Tong MS,  
Michael C. Nicoson MD  
Washington University School of Medicine

**8:28 – 8:34 NAC and MgATP Augment Post-irradiation Rhabdomyocyte Survival Following Surfactant Sealing.**  
Alexander Soneru, BS, Jurgen Hannig, PhD, and  
Raphael C. Lee, MD, ScD

**8:35 – 8:42 Adipose Tissue Demonstrates Increased Reactivity to Hypoxia-Reoxygenation in Comparison to Dermal Tissue.**  
Robert C. Fang, MD, Donnie Buck, II, M.D.,  
Mauricio De La Garza, MD, Robert D. Galiano, MD,  
Thomas A. Mustoe, MD.  
Northwestern University

#### **8:43 – 8:53 Questions & Discussion**

#### **Update in Burn Care – Non CME**

**Moderator: Raphael Lee, MD & Joseph Daw, MD**

**8:54 – 9:01 Acute Management of Full Thickness Burns to the Neck**  
Ashley Amalfi, MD, Kelli Webb, MD, Alyssa Moore, PA-C,  
T. Vaughn, Reuben Bueno, MD, Michael W. Neumeister, MD  
SIU School of Medicine

**9:02 – 9:09 Burn Micronutrient Pilot Repletion Study: Characterizing Relationships between Vitamin and Mineral Supplementation and Health Outcomes of Adult Burn Patients**  
Theresa Hegge, MD, C. M. Rollins, RD; Alyssa Moore, PA-C,  
Susan Dodson, RN; Carisa M. Cooney, MPH; Michael Neumeister, MD  
SIU School of Medicine

**9:10 – 9:17 Indirect Calorimetry versus Mathematical Calculations after Burn Injury: Are there improved health outcomes?**  
Natasha Luckey, MD, C. Rollins, RD; Alyssa Moore, PA-C,  
Carisa Cooney, MPH  
SIU School of Medicine

**New aesthetic breast & body contouring – Non CME**

**Moderator: Raphael Lee, MD & Joseph Daw, MD**

**9:18 – 9:25 Does Liposuctioning of the Abdomen Affect Cosmetic Abdominoplasty Outcome?**

Shannon D. Armstrong, MD, Keith C. Neaman MD, Marissa Baca BS,  
Douglas L. VanderWoude MD, John D Renucci, MD  
GRMERC/MSU – Grand Rapids, MI

**9:26 – 9:33 Experience with a Multi-Disciplinary Aesthetic Center at An Academic Medical Center**

Daniel Schmid M.D., Venkat Rao M.D., MBA, Summer Hanson M.D.  
University of Wisconsin

**9:34 – 9:41 Use of Superomedial Pedicle Breast Reduction and Vertical Short Scar Technique for Significant Macromastia**

J.David Hayes, MD; Anuja K. Antony, MD  
University of Illinois at Chicago, Department of Plastic and  
Reconstructive Surgery

**9:42 – 9:52 Questions & Discussion**

**9:53 – 10:15 BREAK**

**Potpourri (Craniofacial – Hand –Burn – Breast - Flaps) – Non CME**

**Moderator: Reuben Bueno, MD**

**10:16 – 10:23 Komedoplast - A New Paradigm for International Craniofacial Surgery Missions: The First 100 Patients Treated**

Jeffrey Weinzweig, MD, Stephen Baker, DDS, MD, Joseph Losee, MD,  
Peter Taub, MD, Robert Menard, MD, Raymond Harshbarger, MD, Mark  
Smith, MD, Frank lyn Cladis, MD, Marion Starks, MD, Wieslawa de  
Pawlikowski, MD, Andreas Wiegering, MD, John Duncan, MD,  
Division of Plastic Surgery, Illinois Masonic Medical Center

**10:24 – 10:31 Guitar Hero: Novel Physical & Occupational Therapy for Severe Hand Burns**

Christian Jones, MD, J. White, M. D. Pierce, G. Cockrell, R. Korentager;  
University of Kansas Medical Center



**10:32 – 10:39 The Effect of Low Molecular Weight Heparin and Procedure Type on Re-Operative Hematoma**

Pamela Portschy, MD, George Dreszer, MD, Chris Pannucci, MD, Jennifer A. Swanson MD, MPH, Nicholas Kim, BS, and Loree Kalliainen, MD for the VTEP Study Network  
Regions Hospital, St. Paul Minnesota  
University of Michigan

**10:40 – 10:47 Can Oncologic Safety Be Married to a Predictably Viable Mastectomy Skin Flap?**

Tim Bruce, SMS, David L. Larson, M.D., Zainab Basir, M.D.  
Medical College of Wisconsin

**10:48 – 10:55 Development of a Novel Adhesive Resorbable Plating and Bonding System for Craniofacial Reconstruction: Analysis of Frontal and Orbital Osteotomy Fixation**

Jeffrey Weinzweig, MD, Jeffrey Manchio, MD, Shawkat Sati, MD, Sonu Jain, MD, Kip Panter, PhD, Qian Wu, MD, Anshuman Shrivastava, PhD, Stephen McCarthy, PhD

**10:56 – 11:03 Perforator-based Regional Flaps for the Closure of Anterolateral Thigh (ALT) Donor Site Defects**

S. Agarwal, BS; Lucio Pavone, MD; D. Kwan, MD; J.E. Park, MD; L.J. Gottlieb, MD, FACS  
University of Chicago Medical Center

**11:04 – 11:14 Questions and Discussions**

**11:15 – 12:15 Incorporating What's new in breast augmentation?**

Bradley Bengtson, M.D.

- Incorporate tissue based planning into breast augmentation
- Demonstrate advantages of 3D imaging in breast augmentation
- Indentify factors in proper selection between shaped and round implants

**12:15 – 12:20 Questions & Discussions**

**12:20 – 01:20 Lunch**

## **Breast Reconstruction – Non CME**

**Moderators: Steven Williams, MD & John Hajjawi, MD**

**1:21 – 1:28 Outcomes following tissue expander breast reconstruction in patients with pre-reconstruction radiation**

Akhil K. Seth, MD, Elliot M. Hirsch, MD, John Y.S. Kim, MD,  
Gregory A. Dumanian, MD, Thomas A. Mustoe, MD, Neil A. Fine, MD  
Northwestern University Feinberg School of Medicine

**1:29 – 1:36 Breast MRI Helps Define the Blood Supply to the Nipple-Areolar Complex**

Iris A. Seitz MD, PhD; Sarah M. Friedewald, MD; Jonathon Rimler, BS;  
Loren S. Schechter, MD, FACS  
University of Chicago Medical Center

**1:37 – 1:44 Predictive value of Intraoperative Fluoroscopy on Free flap Viability**

Suhair Maqusi, MD, Anuja Antony  
University of Illinois at Chicago

**1:45 – 1:52 Patient Satisfaction after Post-mastectomy Reconstruction (PMRS) Influence of Complication Rate, Reconstructive Technique and Adjuvant Radiation (PMRT)**

K. V. Albuquerque, David Sieber, MD, M. Hiro, R. Durazo, V. Cimino,  
Loyola University Medical Center

**1:53 – 2:00 Prospective Randomized Trial Using Near-infrared Spectroscopy Tissue Oximetry for Monitoring of Unilateral Autologous Free Tissue Breast Reconstruction**

Aaron T. Pelletier, MD, Charles Y. Tseng, MD, Shailesh Agarwal, BS,  
Julie E. Park, MD, David H. Song, MD, MBA  
The University of Chicago Medical Center

**2:01 – 2:08 Pre-mastectomy Sentinel Lymph Node Biopsy in Patients Desiring Immediate, Autologous Tissue Breast Reconstruction**

S. Agarwal, BS; Chad M Teven, BS; N. Jaskowiak, MD; IA Seitz MD PhD; DH Song MD MBA FACS  
University of Chicago Medical Center

**2:09 – 2:16 Hematoma rate with and without tumescent solution in patients undergoing mastectomy with immediate tissue expander reconstruction**

Akhil K. Seth, MD, Elliot M. Hirsch, MD, John Y.S. Kim, MD,  
Gregory A. Dumanian, MD, Thomas A. Mustoe, MD, Neil A. Fine, MD  
Northwestern University Feinberg School of Medicine

**2:17 – 2:27 Questions & Discussions**

**2:28 – 3:28 Revisional Breast Surgery**

Bradley Bengtson, M.D.

- Understand the spectrum of implant related complications
- Identify the primary drivers for breast revision surgery
- Be able to select the correct options in breast implant revision surgery
- Incorporate capsular contracture treatment options in to practice

**3:29 – 3:34 Questions & Discussion**

**3:35 – 3:50 BREAK**

**Trunk Reconstruction – NON CME**

**Moderator: John Murray, MD**

**3:51 – 3:58 The Incidence of Methicillin-Resistant Staphylococcus Aureus (MRSA)**

**in Pressure Sores**

Donald W. Buck II M.D., Haley Goucher B.S.,

Victor L. Lewis Jr., M.D.

Northwestern University, Feinberg School of Medicine

**3:59 – 4:06 Microsurgical Penile Replantation Facilitated by Postoperative Medical Castration**

Jeffrey D. Larson, MD, University of Wisconsin Hospitals and Clinics

Timothy W. King, MD, PhD

University of Wisconsin Hospitals and Clinics

**4:07 – 4:14 Is There A Simple, Definitive, And Cost Efficient Way To Diagnose Osteomyelitis In The Pressure Ulcer Patient?**

Jarom Gilstrap, SMS, David L. Larson, M.D., Kevin Simonelic, JMS,

William Carrera, M.D.

**4:15 – 4:22 Assessing the Safety and Efficacy of Combined Plastic and Pelvic Surgery**

Sammy Sinno BS, Dr. Samir Shah, Dr. Kimberley Kenton, Dr. Victor Cimino

Loyola University Medical Center

**4:23 – 4:30 Utility of the Fragility Index to predict complications after Pressure Ulcer Reconstruction**

Andrew Silver B.S, Victor L. Lewis Jr., M.D.

St. Louis University Medical School

**4:30 – 4:40 Questions & Discussions**

**5:00 Welcome Reception**

**Northwestern University**

**SUNDAY – MAY 16, 2010**

**7:00 am     Registration**

**7:30 – 8:30   MAPS Business Meeting**

**7:30 – 8:30   Craniomaxillofacial – Non CME**  
**Pravin Patel, MD**

**8:30 – 8:35   Questions & Discussions**

**Recent Trends in Craniofacial Surgery – Non CME**  
**Moderator: Michael Bentz, MD & Julia Corcoran, MD**

**8:36 – 8:43   Early Results using Novel Mandibular Contouring of Free Fibula  
with Stereolithography-Guided Osteotomy**  
WF Chen, MD, K Kolokythas, MC Cohen, AK Antony,  
University of Illinois at Chicago

**8:44 – 8:51   Long-Term Skeletal Stability and Growth Following Monobloc  
Midface Advancement with Rigid External Distraction (R.E.D.)**  
Samuel M. Maurice, MD, John W. Polley, MD,  
Alvaro A. Figueroa, DDS, MS  
Rush University Medical Center

**8:52 – 8:59   Measuring Progressive Three-Dimensional Soft Tissue Change  
Accompanying Naso-alveolar Molding (NAM) in the Infant with  
Unilateral Cleft Lip and Palate**  
Erica Simanca, Stan Harper, MD, David Morris, Linping Zhao.  
University of Illinois at Chicago

**9:00 – 9:07   Upper Airway Comparison of Patients with Class II and Class III  
malocclusion: Development of 3-Dimensional Model and Protocol**  
Marco F. Ellis, MD; Christopher Groh, BS; Linping Zhao, PhD;  
David Morris, MD; Pravin K. Patel, MD  
University of Illinois College of Medicine

- 9:08 – 9:15 **The Double-Opposing Buccal Flap Procedure for Palatal Lengthening**  
Keith C. Neaman, MD, Robert J. Mann MD, Brian C. Hill MD  
Robert Bajnrauh MD, Mathew Martin MD.  
Grand Rapids Medical Education and Research for Health Professionals  
Michigan State University
- 9:16 – 9:23 **3D Surface and Volumetric Assessment in Patients with Parry-Romberg Disease**  
Victor J. Hassid, MD, Pravin K. Patel, MD, Linping Zhao, PhD  
The Craniofacial Center, University of Illinois, Chicago, IL
- 9:24 – 9:31 **Computed Tomographic Imaging Measurements of Children with Lambdoid Synostosis**  
Adam T. Silverman, Linping Zhao, David Morris, Pravin K. Patel,  
University of Illinois at Chicago
- 9:32 – 9:43 Questions & Discussions
- 9:44 – 10:04 **Break**
- Strategies in General Reconstructive Surgery – Non CME**  
**Moderator: Ben Van Raalte, MD & Rajendra Shah, MD**
- 10:05 – 10:12 **Pelvic Reconstruction Following Resection of Gynecologic Malignancy**  
Emily C Hartmann MD, Michael Bentz MD,  
UW Hospital & Clinics, Madison WI
- 10:13 – 10:20 **Effect of Reducing Margins of Wide Local Excision On Local Recurrence in Head and Neck Melanoma**  
Vinay Rawlani MD, Karl Y Bilimoria MD, John YS Kim MD,  
Donald W Buck II MD, Sarah Johnson MD, Jeffrey D Wayne MD.  
Northwestern University - Chicago, IL
- 10:21 – 10:28 **Outcomes after Cavernous Nerve Reconstruction with Sural Nerve Cable Grafting**  
Carolyn R. Rogers, Sahil Kapur, David Jarrard, Michael L. Bentz  
University of Wisconsin Hospital and Clinics

10:29 – 10:36 **Botulinum Toxin type A for Chronic Pain**

Kelli Webb, MD, Michael W. Neumeister, MD, Chris Chambers, PhD  
SIU School of Medicine – Springfield, IL

10:37 – 10:44 **The Effect of Community Based-Academic Partnerships on Student Knowledge about Plastic Surgery and Interest in Medicine**

Nyama M. Sillah M.D., Jeffrey D. Larson M.D., Tahlia L. Weis PhD,  
Timothy King M.D, PhD  
University of Wisconsin Hospital and Clinics  
University of Wisconsin School of Medicine and Public Health

10:44 – 10:54 **Questions & Discussions**

**Attending Physician Presentations – Non CME**

**Moderator: Michael Bentz, MD & Julia Corcoran, MD**

10:55 – 11:05 **Liver and Vascularized Posterior Rectus Sheath Fascia Composite Tissue Allotransplantation in a Pediatric Recipient**

S. Agarwal, BS; A. Dorafshar, MBChB; R.C. Harland, MD,  
J.M. Millis, MD; Lawrence Gottlieb, MD, FACS

11:06 – 11:16 **Versatility of Platysma Flaps**

Ramasamy Kalimuthu MD FACS  
Advocate Christ Medical Center Oak Lawn IL

11:17 – 11:27 **Ultrasound and suction assisted lipectomy at 3 month intervals for flap thinning and contouring**

Robert Whitfield MD, FACS  
Medical College of Wisconsin

11:28 – 11:38 **Extreme Similarity of Secondary Skin Structures in the Faces of a Representative Pair of Concordant Monozygotic Twins**

David Teplica, MD MFA University of Chicago;  
Louis Keith, Northwestern University Medical School;  
Donald Keith, The Center for Study of Multiple Birth

11:40 – 11:47 **Questions & Discussions**

12:00 **AWARDS**

12:15 **ADJOURNMENT**

## NOTES