



The Midwestern Association of Plastic Surgeons

The Midwestern Association of Plastic Surgeons
In Conjunction with Trinity Iowa Health Services



Presents

50th Annual Scientific Meeting

Saturday – May 14, 2011
Sunday – May 15, 2011

Northwestern Memorial Hospital
Feinberg Pavilion – 3rd Floor Conference Center
251 East Huron Street
Chicago, Illinois

MIDWESTERN ASSOCIATION OF PLASTIC SURGEONS

50th Annual Scientific 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.

Registration Fees:

The registration fee is \$125.00 for members; \$75.00 for fellows, residents & medical students. A late fee of \$25.00 will be added after April 15, 2011. These fees cover registration, instruction, educational material, Saturday & Sunday lunch and Awarding of CME credits.

Due to the small staff and very reasonable fees, Refunds are not available for the MAPS Conference except under special or unusual circumstances or hardship.

Officers of the Association

<u>President</u>	Steven D. Williams, MD
<u>President-Elect</u>	Karol Gutowski, MD
<u>Vice President / Program Chair</u>	Benjamin Van Raalte, MD
<u>Treasurer</u>	Reuben A. B ueno, MD
<u>Secretary</u>	Raphael Lee, MD
<u>Members at Large</u>	John Murray, MD John Hijjawi, MD Robert Whitfield, MD

Board of Trustees

Julie Corcoran, MD
Michael Bentz, MD
Joseph Daw, MD
Michael W. Neumeister, MD
Rajendra R. Shah, MD

Past Presidents of the Association

1961	Hugh A. Johnson – Founder*	1986	Harold D. Harvey
1962	John K. Grotting*	1987	Elvin G. Zook
1963	William C. Huffman*	1988	Bryan D. Hubble
1964	James F. Dowd*	1989	Andrew E. Stafani
1965	Christopher R. Dix*	1990	Robert W. Parsons
1966	Adrian E. Flatt	1991	William B. Webber
1967	James K. Masson	1992	Curtis Jahala
1968	Clarence W. Monroe	1993	Mimis Cohen
1969	Richard C. Ye*	1994	Reid Hansen
1970	William H. Frackelton	1995	Albert E. Cram
1971	Orion H. Stuteville	1996	Arien D. Denny
1972	Robert J. Richardson*	1997	Henry Onken
1973	G. William LeWorthy	1998	John M Heibert
1974	Morrison D. Beers*	1999	John M. Heibert
1975	Frederick Weissman*	2000	Ian T. Jackson
1976	A. Bart Lissner*	2001	Victor L. Lewis, Jr
1977	Harold J. Hoops, Jr.	2002	Bruce S. Bauer
1978	Gerald D. Nelson	2003	Phyllis Chang
1979	Richard C. Schultz	2004	Richard Tholen
1980	Bums G. Newby*	2005	William Dzwierznski
1981	John P. Docktor	2006	Julia Corcoran
1982	High A. Johnson*	2007	Michael Bentz
1983	George S. pap	2008	Joseph Daw
1984	Stuart J.F. Landa*	2009	Michael W. Neumeister
1985	Tommy E. Kendall	2010	Rajendra R. Shah, MD

*Deceased

ACCREDITATION STATEMENT

“This activity has been planned and implemented in accordance with the Essentials and Standards of the Accreditation Council for Continuing Medical Education through the joint sponsorship of Trinity Medical Center and Midwestern Association of Plastic Surgeons. Trinity Medical Center is accredited by the Illinois State Medical Society to provide continuing medical education for physicians.

Trinity Medical Center designates this live activity for a maximum of **13.5 AMA PRA Category 1 Credit(s)[™]**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The Midwestern Association of Plastic Surgeons acknowledges exhibitor sponsorship from Allergan, Angiotech, Doval, Inc, Doctors Direct Insurance, KLS Martin Group, Lencioni Surgical, Mentor, Stryker, Swiss-American Products, and Synovis Micro for this activity.

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

Steven D. Williams, MD
Benjamin Van Raalte, MD
Raphael Lee, MD

Karol Gutowski, MD
Reuben A. Bueno, MD
John Hijjawi, MD

We gratefully acknowledge our exhibitors:

Allergan

Angiotech

Doval, Inc.

Doctors Direct Insurance

KLS Martin Group

Lencioni Surgical

Mentor

Stryker

Swiss-American Products

Synovis Micro

SATURDAY May 14, 2011

- 07:30 – 08:30 **REGISTRATION**
- 08:30 – 08:40 am **WELCOME REMARKS**
Steven Williams, MD - President
- Block 1:** **Research**
Moderator: **Raphael Lee, MD**
- 08:40 – 08:46 **Quantitative Analysis and Comparison of In Vivo Klebsiella Pneumoniae and Pseudomonas Aeruginosa Biofilms: A Study of Virulence Using a Rabbit Ear Model**
Akhil K. Seth, MD; Matthew R. Geringer, BS; Anandev N. Gurjala, MD, MS; Seok K. Hong, PhD; Robert D. Galiano, MD; Kai P. Leung, PhD; Thomas A. Mustoe, MD
Northwestern University
- 08:47 – 08:53 **HMG-CoA reductase inhibitors (Statins): A Novel Approach To Preventing Hypertrophic Scar Formation**
Jason H. Ko, MD; Yanan Zhao, MD; Seok Jong Hong, PhD; Xian-zhong Ding, MD, PhD; Peter S. Kim, MD; Sonya Agnew MD; Mauricio de la Garza, MD; Thomas A. Mustoe, MD
- 08:54 – 09:00 **Cortical Plasticity Observed Utilizing fMRI Following Partial Nerve Injury In a Rat Upper Extremity**
SR Jones, JB Stephenson, G Yan, HS Matloub, CP Pawela, JS Hyde, R Li, ML Runquist
Medical College of Wisconsin
- 09:01 – 09:07 **Integra Application on Exposed Bone with Fibrin: An Animal Model**
Theresa A Hegge, MD, MPH, Reuben A. Bueno, MD
SIU School of Medicine
- 09:08 – 09:14 **COX-2 is Cytoprotective Indermal Fibroblasts Undergoing Hypoxia-reoxygenation**
Robert C. Fang, Xian Z. Ding, Robert D. Galiano, Thomas A. Mustoe
Northwestern University Feinberg School of Medicine
- 09:15 – 09:25 **Questions and Discussions**

Block 2: Research
Moderator: Michael W. Neumeister, MD

- 09:26 – 09:32 **Detecting Cortical Plasticity Following Median Nerve Injury and Repair: A Rodent fMRI Survival Study**
Patrick Hettinger, M.D. , Rupeng Li, M.D., Ph.D., Ji-Geng Yan, M.D., Ph.D. Younghoon Cho, M.D. , James Sanger, M.D., Safwan Jaradeh, M.D. Chris Pawela, Ph.D. , James Hyde, Ph.D., Hani Matloub, M.D. Medical College of Wisconsin
- 09:33 – 09:39 **Increased Levels of Calcium Results in Peripheral Nerve Schwann Cell Deaths, and Calcium Absorption Towards Normal Levels Correlates with Electrophysiological Recovery of Crushed Rat Peripheral Nerves**
Ziyi Wang, B.S., Ji-Geng Yan, M.D., Ph.D., Michael Agresti, M.S., Lin-Ling Zhang, M.D., Hani S. Matloub, M.D. Medical College of Wisconsin
- 09:40 – 09:46 **The TallyHo Polygenic Mouse Model of Diabetes: Implications in Wound Healing**
Donald W. Buck II M.D., Da P. Jin B.S., Matthew Geringer B.S., Seok Jong Hong PhD, Robert D. Galiano M.D., Thomas A. Mustoe M.D. University ??????????????
- 09:47 – 09:53 **Local Delivery of Allogeneic Bone Marrow and Adipose Tissue Derived Mesenchymal Stromal Cells for Cutaneous Wound Healing in a Porcine Model**
Summer E. Hanson, MD, MS
University of Wisconsin
- 09:54 – 10:00 **Inducing Trans-Hemispheric Cortical Plasticity Following Contralateral C7 Nerve Transfer: A Rat fMRI Survival Study**
JB Stephenson , R Li , ML Runquist ,CP Pawela, JG Yan , JS Hyde, HS Matloub Medical College of Wisconsin
- 10:01 – 10:11 **Questions and Discussion**
- 10:12 – 10:30 **BREAK**

Block 3: **Craniofacial**
Moderator: **Julia Corcoran, MD**

10:31 – 10:37 **Imaging, Virtual Modeling And Patient-Specific Prototyping In The Planning For Combined Bilateral Autologous Reconstruction And Baha® Placement In Patients With Microtia: A Report Of Innovative, Technology-Based Team Planning Toward Improved Treatment Outcomes**
Adam T. Silverman, MD, Rosemary Seelaus, Gabrielle Cager, Mimis Cohen
University of Chicago

10:38 – 10:44 **Unique Applications of Rigid External Distraction (R.E.D.)**
Adam B Smith MD
Rush University Medical Center

10:45 – 10:51 **Risk of Third Molar Injury in Vertical Osteotomy Distraction Osteogenesis for Treatment of Pierre Robin Sequence**
Andrew Navarrete, MD, Delora Mount, MD
University of Wisconsin Hospital and Clinics

10:52 – 10:58 **Sports Related Pediatric Facial Fractures:
A Survey of National Trends**
Emily C Hartmann, MD; Andy Navarrete, MD; Taya Schairer;
Timothy King, MD PhD
University of Wisconsin, Madison

10:59 – 11:05 **Volumetric Analysis of Cranial Vault Distraction for Cephalocranial Disproportion**
Jordan Deschamps-Braly

11:06 – 11:16 **Questions and Discussions**

Block 4: **Craniofacial**
Moderator: **Arian Denny, MD**

11:17 – 11:23 **Patient Positioning and Intra-operative Decision Making in Orthognathic Surgery**
Victor J. Hassid, MD; David E. Morris, MD, Pravin K. Patel, MD;
University of Illinois at Chicago

- 11:24 – 11:30 **The Use of a Novel, Three-Dimensional Biocompatible Scaffold to Deliver Osteoprogenitor Cells to a Critical-Sized Calvarial Defect**
Matthew Greives, MD, Chad M. Teven, Joel H. Collier, Ryan B. Natale, Tong-Chuan He, Russell R. Reid
University of Chicago
- 11:31 – 11:37 **Intraoperative Fabrication of Light-Cured Splints for Dentoalveolar Injuries: A Realistic Approach**
J. David Hayes MD, David Morris M.D.
University of Illinois at Chicago
- 11:38 – 11:44 **Double Opposing Z-Plasty and Buccal Flap Repair of the Cleft Palate: Treatment of a Wide Range of Anatomical Variations**
Matthew Martin, MD
Grand Rapids Medical Partners / Michigan State University
- 11:45 – 11:51 **Necrotizing Fasciitis of the Face as a Complication of Dental Infection: A Case Report**
Eugene Park, BA, Elliot M. Hirsch, MD, Jordan P. Steinberg, MD, PhD, Alexis B. Olsson, DDS
Northwestern Memorial Hospital, Chicago, IL
- 11:52 – 12:00 **Questions and Discussions**
- 12:00 – 01:00 **LUNCH**
- Block 5:** **Reconstruction**
Moderator: **Robert Whitfield, MD**
- 01:00 – 01:06 **Investigation of MRI Test Properties in the Diagnosis of Osteomyelitis in Pwith Stage IV Pressure Ulcers Undergoing Local Reconstruction With and Without Osteomyelitis, and Comparison of Their Mortality, Morbidity, and Length of Hospitalization.**
James McCarthy, MD
University of Wisconsin
- 01:07 – 01:13 **Thoracic Reconstruction at the University of Wisconsin: A Ten Year Outcome Analysis**
Laura Bonneau, MD
University of Wisconsin- Madison

- 01:14 – 01:20 **The Anterolateral Thigh Flap for groin defects:
A Better Alternative to the Rectus Abdominis Flap**
Maida Parkins, MD
The Medical College of Wisconsin
- 01:21 – 01:31 **Questions and Discussions**
- Block 6:** **Reconstruction**
Moderator: **Reuben A. Bueno, MD**
- 01:32 – 01:38 **Successful Treatment of Mediastinitis and Tghoracic Aortic Graft Infection
with Omental Flap Sternal Reconstruction**
Samir R. Shah, MD
Loyola University Medical Center
- 01:39 – 01:45 **External Oblique Rotational Flap for Chest Wall Reconstruction
for Radiation induced wounds.**
Matthew Greives, MD
University of Chicago
- 01:46 – 01:52 **Technical Modifications of the Pectoralis Major Flap to Optimize Outcomes:
A Comparison of Patient Co-morbidity Profiles and Outcomes to
Microvascular Free Flaps for Head and Neck Reconstruction**
Suhair Maqusi, MD
University of Illinois at Chicago
- 01:53 – 02:03 **Questions and Answers**
- Block 7:** **Hand**
Moderator: **John Hijjawi, MD**
- 02:04 – 02:10 **Psychogenic Hand Disorders:
A Review of 29 Years of Experience in a Multidisciplinary Hand Center**
Elizabeth O’Connor, MD, HS Matloub, BK Grunert
Medical College of Wisconsin
- 02:11 – 02:17 **A Retrospective Review of Radial Tunnel Syndrome**
Stephanie R. Suprenant BS, MPH, Kelli Webb, MD,
Michael W. Neumeister, MD
SIU School of Medicine

- 02:18 – 02:24 **A Quantitative Study of Vibration Injury to Peripheral Nerves:
Introducing a New Longitudinal Section Analysis**
Anthony Watt, JG Yan, LL Zhang, HS Matloub, M Agresti
Medical College of Wisconsin
- 02:25 – 02:31 **Cutaneous Mucormycosis of the Upper Extremity in an
Immunocompetent Host**
Kyle D. Lindberry, BS
Michigan State University
- 02:32 – 02:42 **Questions and Discussions**
- 02:43 – 02:59 **BREAK**
- Block 8:** **Miscellaneous / Cosmetic**
Moderator: **Rajendra Shah, MD**
- 03:00 – 03:06 **What Influences a Plastic Surgery Resident to Pursue an Academic Career?**
Benjamin A. Mandel, Weber SM, McDonald R, Gutowski KA, Bentz ML.
University of Wisconsin
- 03:07 – 03:13 **A Validated Tool for Assessment of Microsurgical Skills**
Kelli N Webb, Carisa M Cooney, Damon S Cooney, Reuben A Bueno,
Michael W Neumeister
SIU School of Medicine
- 03:14 – 03:20 **The Emergence of Social Media and Its Applications to Plastic Surgery**
Jeffrey D. Larson, MD
University of Wisconsin
- 03:21 – 03:27 **Body Contouring in the Post-Bariatric Patient**
Deana S. Shenaq, BA, Shailesh Agarwal, BS, Michelle Roughton, MD,
Sally Cohen-Cutler, BA, Vivek Prachand MD, Lawrence Zachary, MD
- 03:28 – 03:34 **Brachioplasty: An Outcome Analysis of a Retrospective Cohort from a
Multi-Practice Medical Center**
Terri A Zomerlei, KC Neaman, SD Armstrong, M Aitken, W Cullen,
RD Ford, DL VanderWoude
Grands Rapids Medical Education Partners / Michigan State University
- 03:35 – 03:45 **Questions and Answers**

Block 9: **Breast**
Moderator: **Karol Gutowski, MD**

03:46 – 03:52 **A Successful and Simple Method of Sizing Implants for Breast Augmentation Patients**
Benjamin Liliav MD, Iliana Sweis, MD
University of Illinois

03:53 – 03:59 **Outcomes of Tissue Expander Breast Reconstruction in Patients with Post-mastectomy Radiation Therapy**
Elliot M. Hirsch, MD; Akhil K. Seth, MD; Gregory A. Dumanian, MD; John Y.S. Kim, MD; Thomas A. Mustoe, MD; Robert D. Galiano, MD; Neil A. Fine, MD
Northwestern Memorial Hospital

04:00 – 04:06 **Comparison of Superomedial Pedicle Vertical Scar Reduction Mammoplasty and Traditional Wise Pattern Reduction over Two-Years: A Matched Cohort Study**
Sara Yegiyants MD, Dave Hayes MD, Steve Wisel, BS, David Morris MD Rudolph Dolezal MD, Mimis N. Cohen MD, Anuja K. Antony - MD
University of Illinois, Chicago

04:07 – 04:13 **Total Implant Coverage with Human Acellular Dermal Matrix in Prosthetic Breast Reconstruction**
Robert Najera MD, John Hijjawi MD; Babak Cohen
Medical College of Wisconsin
Kelly Reynolds - University of Wisconsin, Milwaukee

04:14 – 04:24 **Questions and Discussions**

Block 10: **Breast**
Moderator: **Steven D. Williams, MD**

04:25 – 04:31 **Sexual Function Concerns in Women Presenting for Breast Reconstruction: An Interim Analysis**
Julie E. Park, MD, Emily Abramsohn, MPH, Jennifer Makelarski PhD, MPH, Chad M Teven BS, Stacy T. Landau, MD, David H. Song, MD
University of Chicago

04:32 – 04:38 **Open Capsulectomy for Recurrent Donor Site Seromas Following Latissimus Dorsi Myocutaneous Breast Reconstruction**
KC Neaman, William P Schmitt M Albert, R Urbaniak, D Shifrin, DC Hammond
Michigan State University

- 04:39 – 04:45 **Vertical Reduction Mammoplasty Utilizing a Superiomedial Pedicle:
Safety and Efficacy**
KC Neaman, S Mendoc, Johanna Scheer, SA Armstrong, A Blount, M Aitken,
JD Renucci, DL VanderWoude, D Alfonso.
Michigan State University
- 04:46 – 04:52 **Pre-mastectomy Sentinel Lymph Node Biopsy: A Strategy to Enhance
Outcomes in Immediate Breast Reconstruction**
Chad M. Teven BS, Shailesh Agarwal MD, Nora Jaskowiak MD,
Julie E Parks MD,
Iris Seitz MD, David H Song, MD
University of Chicago Medical Center
- 04:53 – 05:03 **Question and Discussions**

Sunday – May 15, 2011

- 07:00 **REGISTRATION OPENS**
- 07:30 – 08:30 **MAPS Business Meeting**
- Moderator: Ben VanRaalte, MD**
- 08:30 – 09:15 **The History of the Silicone Implant Moratorium**
Norman Cole, MD
- 09:16 – 09:31 **Treatment of Vascular Anomalies**
Ian Jackson, MD
- 09:32 – 09:47 **Understanding the Spectrum of Non-Microtia Ear Deformities and
Applying This Understanding to the Treatment of both Primary and
Secondary**
Bruce Bauer, MD
- 09:48 – 10:03 **Barbed Sutures in Aesthetic Plastic Surgery?
Evolution and Thought and Process**
Malcolm Paul, MD
- 10:04 – 10:19 **Advances in Abdominal Wall Reconstruction**
Mimis Cohen, MD
- 10:20 – 10:35 **Outpatient Lower Body Lifting:
A 13 year Experience in Over 250 Cases**
Richard Tholen, MD
- 10:36 – 10:45 BREAK
- 10:46 – 11:01 **There exists a Variety of Sand Useful Applications for Distraction
Osteogenesis in the Pediatric Population**
Arian Denny, MD
- 11:02 – 11:17 **Innovations in Plastic Surgery:
Bridging the Gap Between Research & Surgery**
Michael W. Neumeister, MD
- 11:18 – 11:33 **International Trends in Graduating Surgical Education**
Victor Lewis, MD

- 11:34 – 11:49 **Aesthetic Surgery of the Chin**
Joseph Daw, MD
- 11:50 – 12:05 **Meta Cognition & Surgical Education**
Julia Corcoran, MD
- 12:06 – 12:21 **Minimally Invasive Hand Surgery Education**
William Dzwierzynski, MD
- 12:22 – 12:36 **Modern Facelift Technique, Is Minimum is Better?**
Raj Shah, MD
- 12:37 – 01:00 Awards & Adjournment