

Rian Maercks MD - Curriculum Vitae

Cosmetic and Reconstructive Plastic Surgeon in Miami Beach

Fellowship Training

Aesthetic and Breast Visiting Mini-fellowship

Dr. Ruth Graf
Curitiba, Brazil
9/2010-10/2010

Craniofacial and Aesthetic Surgery Visiting Mini-fellowship

Dr. Franciose Firmin
Dr. Eric Arnaud
Dr. Daniel Marchac
Paris, France
08-09/2010

Craniofacial and Aesthetic Surgery Fellowship

Dr. Fernando Ortiz-Monasterio/ Dr. Fernando Molina.
Dr. Manuel Gea Gonzalez Hospital.
Mexico City, Mexico
07/2009-07/2010

Aesthetic Surgery Fellowship

Dr. James Stuzin
Miami, FL
02/2008-03/2008

Residency Training

Surgery Internship

University of Cincinnati Hospital
Cincinnati Children's Hospital
Cincinnati OH
07/2003-06/2004

Plastic and Reconstructive Surgery Integrated Training Program

University of Cincinnati Hospital
Cincinnati Children's Hospital
Cincinnati OH
07/2003-06/2009

Chief Resident

Plastic and Reconstructive Surgery
University of Cincinnati Hospital
Cincinnati Children's Hospital
Cincinnati OH
07/2008-06/2009

Medical Education

Duke University School of Medicine, Durham, NC
06/1998- 06/2003
MD 05/2003

Graduate Education

Duke University School of Medicine, Durham, NC
06/2000- 05/2002
Masters of Pathology, 09/2002

Undergraduate Education

Lancaster University, Lancaster England
Philosophy
08/1997- 06/1998

University of Florida, Gainesville FL
Philosophy
07/1994 – 05/1998
Bachelors of Philosophy, 05/1998

University of Florida, Gainesville FL
Fine Arts 07/1994 – 12/1995

Consulting Appointments

Allergan ASCENT National Advisory Panel in Plastic Surgery- paid advisor

Research Awards

Medical Scientist Training Program Fellow. Duke University School of Medicine. 8/1998-6/2002

ASMS 2007 Best clinical paper award for investigators under 40 years of age.

2008 ASMS Biomet Resident Scholar

2009-2010 Synthes unrestricted educational research grant

2009-2010 Integra Life Sciences material research grant

2009-2010 Misonix medical division material research grant

2010-2011 Misonix medical division material research grant

Research Projects

"Histiocentric Craniofacial Surgery: Endoscopy, Ultrasonic Technology and the Promise of a Safe, Reproducible, Closed Monobloc"-Minimally invasive craniomaxillofacial osteotomies with ultrasonic devices (2002-2010)

Human facial skeletal transplantation without immunosuppression 2009-2010

Tissue engineering of bone using osseogenically induced autologous adipocyte derived stem cells (2007- 2009)

Periosteal free flap design and application in reconstructive osteogenesis (2007- current)

Novel flap modifications in facial composite tissue Allotransplantation (2008-2009)

Tertiary plus rhinoplasty: recreating deep structural subunits for optimal aesthetic outcomes (2009-current)

Aesthetic Manipulation of Breast Parenchyma : Rethinking Reduction Mammoplasty and Mastopexy with Superior Pole Auto-Augmentation and Increasing Indication for a Horizontal-Only Scar Technique Breast parenchymal reshaping for enduring aesthetics, FEMMA-S (2006-present)

Midfacial disharmony correction with middle and lower third osteotomy corrective rhinoplasty and mandibular osteotomies(2009-current)

Clinical Trials

Principle Investigator Breast Implant Follow-Up Study (BIFS) Allergan 410 arm current.
Study on long term safety of current anatomically shaped breast implants –funded by Allergan

Minimally invasive Monobloc Osteotomy(MIMO) series, avoiding the bicoronal incision in major craniofacial osteotomies. Hospital General 'Dr. Gea Manuel Gonzalez.' Mexico City, Mexico. 12/2009- 12/2010

Human facial skeleton replacement with matched donor facial skeletal components and micro surgically transplanted Periosteal free flap for in vivo osteoinduction. Mexico City, Mexico. 04/2010-12/2010

Footprint Elevation Mammodermal Masto- AutoAugmentation with pectoral sling support FEMMA-S Technique for mammaplasty and reduction mamoplasty

Invited Lectures and Surgical Demonstrations

Novel Facial Subunits of Facial Balance and Their Use in Large Volume Volumetric Rejuvenation and Balancing of the Aging Face. International Society of Aesthetic Plastic Surgeons(ISAPS) annual congress. Kyoto Japan 27 October 2016

Extended Fascial Preserving Subfascial Breast Augmentation and Revision Without Electrocautery, A Novel Technique Providing Uniquely Supported Long Term Control of Breast Shape and Aesthetic Appearance. International Society of Aesthetic Plastic Surgeons(ISAPS) annual congress. Kyoto Japan 27 October 2016

Invited Craniofacial Expert: Histiocentricity and the Feasibility and Future of the Endoscopic Monobloc. 7th Biennial World Cleft Lip and Palate Congress. ICPF. Mahe, Seychelles 8 May, 2012

Invited Aesthetic Expert: The Concept of Aesthetic Facial Balancing and Large Volume Facial Rejuvenation and Reconstruction with Structural Fat Grafting and Hyaluronic Acid.7th Biennial World Cleft Lip and Palate Congress. ICPF. Mahe, Seychelles 8 May, 2012

Keynote Speaker "Plastic Surgery, the art of the impossible: Novel solutions in surgical aesthetics and human skeletal allograft transplantation without immunosuppression." 2010 Musculoskeletal Transplant Foundation annual symposium, Las Vegas, NV. 17 May 2011.

The Periosteal-based Reconstructive Osseous/Osteoinductive Femoral (PROOF) Chimera: A universal flap for complex reconstruction and an open door for immunosuppression-free human skeletal transplantation. American Society for Reconstructive Transplantation, Chicago, IL Nov 2010.

Maercks RA. Reconstructive osteoinduction in experimental models and clinical practice. Femoral Periosteal free flap for reconstructive osteoinduction. International conference for experimental Microsurgery. Mexico City, Mexico 10/2011

Maercks, RA. Histiocentric Plastic Surgery: A New Paradigm for the future of our Specialty? Presentation of new perspectives and techniques in aesthetic, breast, craniofacial and reconstructive plastic surgery. University Federal do Parana. Curitiba, Brazil. 14 October 2010.

Maercks RA, Molina F. Craniovault remodeling and distraction osteogenesis live patient demonstration UCSD. April 22, 2010

Maercks, RA. Histiocentric Craniofacial Surgery: State of the Art Minimally Invasive Craniofacial Surgery.

Rethinking Breast Aesthetics and the introduction of the FEMMA-S.

Human facial skeleton transplantation with Periosteum based revitalization.

Plastic Surgery Grand Rounds.

UCSD April 21, 2010

Maercks RA. The Future of Craniofacial Surgery. 51st annual meeting of the Society of Ex-residents of FOM. Mexico City, MX January 2010

Book Chapters

Maercks, RA. Wound Closure. The Mont Reid Surgical Handbook. Sixth Ed. Fischer, D. Saunders. August 2008.

Maercks, RA. Local and Regional Anesthesia. The Mont Reid Surgical Handbook. Sixth Ed. Fischer, D. Saunders. August 2008.

Maercks, RA. Arterial Lines. The Mont Reid Surgical Handbook. Sixth Ed. Fischer, D. Saunders. August 2008.

Publications and Presentations

Maercks RA. Volumetric Balancing of the Face for Aesthetic Improvement. Ideas and Innovations Panel. International Society of Aesthetic Plastic Surgeons. Rio de Janeiro Brazil September 2014

Maercks RA. Extended Fascial Preserving Subfascial Breast Augmentation and Revision Without Electrocautery, A Novel Technique Providing Uniquely Supported Control of Breast Shape and Aesthetic Appearance. International Society of Aesthetic Plastic Surgeons. Rio de Janeiro Brazil. September 2014

Maercks RA, Santamaria E. The Periosteal based Reconstructive Osseoinductive and Osseous Femoral (PROOF) Chimera: A Gateway to the world of reconstructive osseoinduction and a universal free flap for complex reconstruction. American Society of Reconstructive Transplantation. Chicago, IL. 11/20/2010

Maercks RA, Pan BS, Hurwitz D. Aesthetic Manipulation of Breast Parenchyma : Rethinking Reduction Mammoplasty and Mastopexy with Superior Pole Auto-Augmentation and Increasing Indication for a Horizontal -Only Scar Technique. American Society of Aesthetic Plastic Surgery. Washington D.C: April 23 2010

Runyan CM, Jones DC, Bove KE, Maercks RA, Simpson DS, Taylor JA. Porcine Allograft Mandible Revitalization Using Autologous Adipose-Derived Stem Cells, Bone Morphogenic Protein-2 and Periosteum. Plastic and Reconstructive Surgery. 2010 May:125:5

Maercks RA, Runyan CM, Jones DC, Taylor JA. The vastus intermedius periosteal (VIP) flap. A novel flap for osteoinduction. The Journal of Reconstructive Microsurgery. 2010 Feb 25

Maercks RA, Taylor JA, Gordon CB. Endoscopic Monobloc Advancement with Ultrasonic Osteotomy: A feasibility study. The Journal of Craniofacial Surgery. 2010 March 21(2)

Taylor JA, Jones DC, Maercks RA, Gordon CB. Endoscopically assisted LeFort III osteotomy using an Ultrasonic Scalpel—A Feasibility Study in Cadavers. J Craniofac Surg. 2009 Nov;20(6):2211-4.

Taylor JA, Maercks RA, Jones DC, Gordon CB. Endoscopically assisted Le Fort I osteotomy using an ultrasonic scalpel: a feasibility study in cadavers. J Oral Maxillofac Surg. 2009 Jul;67(7):1420-4.

Taylor JA, Runyan CM, Jones DC, Maercks RA, Billmire DB, Bove K, Gordon CB. Porcine Mandible Revitalization using autologous Adipocyte-derived Stem Cells and Periosteum. American Association of Plastic Surgeons. March 23, 2009. Rancho Mirage, CA

Taylor JA, Jones DC, Maercks RA, Gordon CB. A Novel Flap for Facial and Scalp Allotransplantation. 50th Anniversary Meeting of the ex-residents of FOM. January 23, 2009 Mexico City, MX

Taylor JA, Jones DC, Maercks RA, Gordon CB. A Novel Flap for Facial and Scalp Allotransplantation ***POSTER*** American Society for Reconstructive Microsurgery. January 10-13, 2009. Maui, HI

Rian A Maercks MD, Christopher B Gordon MD, Donna C Jones PhD, Jesse A Taylor MD. Endoscopically assisted LeFort 1 osteotomy using an Ultrasonic Scalpel—A Feasibility Study in Cadavers. The Ohio Valley Society of Plastic Surgeons Annual Meeting. 16 May 2008. Cleveland OH. Accepted by the Journal of Oral and Maxillofacial Surgery, July 2009.

Rian Maercks, MD, Leopoldo E. Landa, MD, DMD, Gerald J. Cho, BS, X. Pilar Reyna-Rodriguez, DDS, and Christopher B. Gordon, MD. Endoscopic Monobloc Distraction with Ultrasonic Osteotomy and Percutaneous Distractor Placement. Plastic Surgery 2007 ASPS. 29 October 2007. Baltimore MD. Paper 13461

Rian Maercks, MD, Leopoldo E. Landa, MD, DMD, Gerald J. Cho, BS, X. Pilar Reyna-Rodriguez, DDS, and Christopher B. Gordon, MD. Extreme Distraction: What are the Practical Limits to the Amount of Mandible Dstration that can be Achieved? Plastic Surgery 2007 ASPS. 29 October 2007. Baltimore. Paper 13510

Christopher B. Gordon, MD, Rian Maercks, MD, Gerald J. Cho, BS, Leopoldo E. Landa, MD, DMD, and X. Pilar Reyna-Rodriguez, DDS. Ex Utero Intrapartum (Exit) Management of Micrognathia with Distraction. Plastic Surgery 2007 ASPS. 29 October 2007. Baltimore. Paper 13508

Gerald J. Cho, BS, David A. Billmire, MD, Rian Maercks, MD, Christopher B. Gordon, MD, Keith F. Stringer, MD, Mary Rolfes, MLT, HT, ASCP, and Randall K. Wolf, MD. Comparison of the Semi-Automatic Coalescent Nitinol U-Clip Anastomotic Device to 9-0 Nylon Suture For Anastomosis of Rabbit Femoral Vessels. Plastic Surgery 2007 ASPS. 29 October 2007. Baltimore. Paper 13459

Gordon CB, Cho G, LE Landa, Maercks R, Reyna Rodriguez XP, Ex Utero Intrapartum (EXIT) Management of Micrognathia with Distraction, Proceedings of the International Society of Craniofacial Surgery, 12th International Congress, Bahia, Brazil, Aug. 23-26, 2007

Gordon, CB, Landa LE, Maercks R, Cho GJ, Ebert C, Jimenez Betancourt, C, Aronow BJ, Valencia del Rey Syndrome: A Novel Craniofacial Syndrome with a Dominant Inheritance and Variable Presentation Maps to a Novel TWIST1 Allele: Insight into Normal Craniofacial Development?, Proceedings of the International Society of Craniofacial Surgery, 12th International Congress, Bahia, Brazil, Aug. 23-26, 2007

Gordon CB, LE Landa, R Maercks, X Pilar Reyna Rodriguez, Endoscopic monobloc distraction with ultrasonic osteotome Proceedings of the International Society of Craniofacial Surgery, 12th International Congress, Bahia, Brazil, Aug. 23-26, 2007, Poster

Gordon CB, LE Landa, R Maercks, X Pilar Reyna Rodriguez, Tessier 3/4 Cleft, Bilateral Cleft Lip and Palate, with Amniotic Band Sequence, and Engraftment of Amputated Digits to Face and Scalp, Proceedings of the International Society of Craniofacial Surgery, 12th International Congress, Bahia, Brazil, Aug. 23-26, 2007, Poster

Gordon CB, LE Landa, R Maercks, X Pilar Reyna Rodriguez, Biomechanical Planning in the Management of Acrofacial Dysostosis Proceedings of the International Society of Craniofacial Surgery, 12th International Congress, Bahia, Brazil, Aug. 23-26, 2007

CB Gordon, RA Maercks, XP Reyna-Rodriguez, LE Landa, Novel epigenetic regulation of distraction osteogenesis, 5th International Congress of Maxillofacial and Craniofacial Distraction, Paris, June 21-24, 2006.

CB Gordon, LE Landa, RA Maercks, XP Reyna-Rodriguez, Extreme distraction: what are the limits to mandibular distraction?, 5th International Congress of Maxillofacial and Craniofacial Distraction, Paris, June 21-24, 2006.

CB Gordon, LE Landa, R Maercks, XP Reyna-Rodriguez, Endoscopic monobloc distraction with ultrasonic osteotome, 5th International Congress of Maxillofacial and Craniofacial Distraction, Paris, June 21-24, 2006.

CB Gordon, R. Maercks, L. Landa, XP Reyna-Rodriguez, Ex utero intrapartum (exit) management of micrognathia with distraction, 5th International Congress of Maxillofacial and Craniofacial Distraction, Paris, June 21-24, 2006.

CB Gordon, RA Maercks, XP Reyna-Rodriguez, Cine MRI as a diagnostic tool for upper airway modeling, 5th International Congress of Maxillofacial and Craniofacial Distraction, Paris, June 21-24, 2006.

Maercks RA, Rilo H, Ebert C, Billmire D, Aranow B, Marler J, Gordon CB. Expansion of Functional Human Islets from Adult Mixed Pancreatic Ductal Cell Culture. Plastic Surgery Research Council pp 174 Oral Presentation 23B. University of Toronto May, 2005

Maercks RA, Reyna Rodriguez XP, Jennifer Marler, Cathy Ebert, Landa LE, Enrique Ochoa Lopez Diaz, Gordon CB. A Gene Expression Analysis of Human Mandibular Callus. Plastic Surgery 2004 ASPS pp170 Oral Presentation P1. Philadelphia, PA October 2004.

Maercks RA, Reyna Rodriguez XP, Jennifer Marler, Cathy Ebert, Landa LE, Enrique Ochoa Lopez Diaz, Gordon CB. Cine MRI as a Diagnostic Predictor of Success of Mandibular Distraction. Plastic Surgery 2004 ASPS pp 207 Oral Presentation P20. Philadelphia, PA October 2004.

Maercks RA, Reyna Rodriguez XP, Jennifer Marler, Cathy Ebert, Landa LE, Enrique Ochoa Lopez Diaz, Gordon CB. Growth Hormone Normalization with Mandibular Distraction. Plastic Surgery 2004 ASPS pp238 Oral Presentation P37. Philadelphia, PA October 2004.

Maercks RA, Reyna Rodriguez XP, Jennifer Marler, Cathy Ebert, Landa LE, Enrique Ochoa Lopez Diaz, Gordon CB. Treatment of Severe Hypertelorism with Stairstep Distraction. Plastic Surgery 2004. ASPS.pp32 abstract 20. Philadelphia, PA October 2004.

Maercks RA, Reyna Rodriguez XP, Jennifer Marler, Cathy Ebert, Landa LE, Enrique Ochoa Lopez Diaz, Gordon CB. Reversal of Cardiopulmonary Failure by Mandibular Distraction. Plastic Surgery 2004 ASPS pp53 abstract 32. Philadelphia, PA October 2004.

Gordon CB, Reyna Rodriguez XP, Enrique Ochoa Lopez Diaz, Angel Puente Sanchez, Maercks RA, Fernando Ortiz Monasterio. Treatment of Severe Hypertelorism with Stairstep Distraction. Plastic Surgery 2004 ASPS pp220 Presentation P28. Philadelphia, PA October 2004.

Gordon CB, Enrique Ochoa Lopez Diaz, Reyna Rodriguez XP, Angel Puente Sanchez, Maercks RA, Leopold Landa. Endoscopic Monobloc with Piezoelectric Osteotomy. Plastic Surgery 2004 ASPS pp231 Presentation P33. Philadelphia, PA October 2004.

Maercks R, Ebert C, Reyna Rodriguez XP, Marler JJ, Ochoa Lopez Diaz E, Puente Sanchez A, Aranow BJ, Ebert C, Gordon CB. Identification of genes Responsible for 'Dedifferentiation' in Human Distraction Callus. The Plastic Surgery Research Council 49th Annual Meeting pp217 Oral Presentation 11B. Ann Arbor, Michigan July 2004

LE Landa, XP Reyna Rodriguez, S Holland, M Risin, R Maercks and CB Gordon. Mandibular Distraction Can Reverse Cardiovascular Structural Changes in Patients with Severe Micrignathia and Obstructive Sleep Apnea Syndrome (OSAS). 4th International Congress of Maxillofacial and Craniofacial distraction. Paris, France July 2003.

LE Landa, XP Reyna Rodriguez, S Holland, R Maercks and CB Gordon. Deciduous Eruption Pattern After Mandibular Distraction. 4th International Congress of Maxillofacial and Craniofacial distraction. Paris, France July 2003.

LE Landa, XP Reyna Rodriguez, E Ochoa Lopez Diaz, A Puente Sanchez, S Holland, M Risin, R Maercks and CB Gordon. Physiologic and Skeletal Changes in Early Mandibular Distraction. 4th International Congress of Maxillofacial and Craniofacial distraction. Paris, France July 2003.

RA Maercks, J Kim, W Koch. Targeting beta-arrestin2 (barr2) in the reversal of intimal hyperplasia. AHA Scientific Sessions. 11/2002