



# WESTCOUNTRY

PLASTIC SURGEONS  
of Washington University

Washington University Physicians  
Washington University School of Medicine in St. Louis

## CURRICULUM VITAE – MARISSA MJ TENENBAUM, MD

### ADDRESS:

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### PRESENT POSITION:

**Assistant Professor of Surgery**  
Division of Plastic and Reconstructive Surgery  
Washington University School of Medicine, St. Louis, MO

**Program Director Residency**  
Division of Plastic and Reconstructive Surgery  
Washington University School of Medicine, St. Louis, MO

### EDUCATION:

Undergraduate : **Bachelor of Science - BS** – Natural Science-Nutritional Science, University of Wisconsin-Madison, Madison WI 1994-1998  
Graduate : **Medical School – MD**, AOA- Washington University School of Medicine, St. Louis, MO 1998-2002  
Residency : **Combined Plastic & Reconstructive Surgery**  
Washington University School of Medicine, St. Louis 2002-2008  
Fellowships : **Craniofacial Imaging Research Fellowship**, Plastic and Reconstructive Surgery,  
Washington University School of Medicine, St. Louis, 2005-2006

**Aesthetic Surgery Fellowship**; W.Grant Stevens MD, Marina Plastic Surgery,  
Marina del Rey, CA 2008

Leadership Training: **ASAPS Leadership Training**. Dallas, TX, Summer 2014

## ACADEMIC POSITIONS/EMPLOYMENT:

Assistant Professor, Division of Plastic and Reconstructive Surgery, Washington University School of Medicine, St. Louis, MO February 2009-present

Assistant Program Director, Division of Plastic and Reconstructive Surgery, Washington University School of Medicine, St. Louis, MO January 2013-March 2014

Program Director, Division of Plastic and Reconstructive Surgery, Washington University School of Medicine, St. Louis, MO March 2014-present

## UNIVERSITY/HOSPITAL/DEPARTMENTAL APPOINTMENT AND COMMITTEES:

Privileges: Barnes Hospital, St. Louis, MO (February 2009 – present)  
St. Louis Children's Hospital. St. Louis, MO (February 2009– present)  
Barnes West County (February 2009-present)

Member of : Alvin J. Siteman Cancer Center (Comprehensive Cancer Center)

Committees : Operating Room Committee (Barnes-Jewish West County Hospital)  
Plastic Surgery Operating Room Resource Committee (Barnes-Jewish West County Hospital)  
Infection Prevention Committee (Barnes-Jewish West County Hospital)  
Plastics Quality Committee (Barnes-Jewish West County Hospital)  
Innovations in Surgical Education Committee Washington University  
Surgical Education Committee Washington University  
Impaired Physician Policy Committee Washington University

## MEDICAL AND BOARD CERTIFICATION:

Diplomat of the American Board of Plastic Surgery (ABPS),  
Missouri Medical License

## MAJOR AWARDS:

2010-2016 **Best Doctor's in America**  
2007 **Best Clinical Paper**  
Washington University School of Medicine, Plastic & Reconstructive Surgery James Barrett Brown Resident Research Competition  
2006 **Best Clinical Paper**  
Washington University School of Medicine, Plastic & Reconstructive Surgery James Barrett Brown Resident Research Competition  
2002 **Alpha Omega Alpha Honor Society**  
Washington University School of Medicine  
2002 **Samson F. Wennerman Prize in Surgery**  
Washington University School of Medicine. Awarded to a 4<sup>th</sup> year medical student who has demonstrated promise in the field of surgery  
2002 **American Medical Women's Association Janet M. Glasgow Memorial Achievement Citation**  
Washington University School of Medicine. Awarded to women medical students in the top 10% of their graduating class  
1998 **Phi Beta Kappa Honor Society**  
1998 **Golden Key National Honor Society**  
1994-1998 **Dean's Honor List**

#### EDITORIAL RESPONSIBILITIES:

Plastic and Reconstructive Surgery (reviewer)

#### PROFESSIONAL SOCIETIES AND ORGANIZATIONS:

American Society of Plastic Surgery –active member  
American Society for Aesthetic Plastic Surgery –active member  
American Council of Academic Plastic Surgeons-active Member

#### NATIONAL COMMITTEES AND LEADERSHIP:

Clinical Trials Network – ASPS  
Hot Topics Committee – ASAPS  
Patient Safety Committee – ASAPS  
Medical Student Committee-ASAPS  
Resident Education Committee-ASAPS  
Fellowship Committee-ACAPS

#### MAJOR INVITED LECTURESHIPS:

1. “Updates in Breast Reconstructon and Oncoplastic Surgery  
Mid-Winter Medical Conference, St Luke’s Hospital, Park City, UT, February 2012.
2. “Oncoplastic Breast Surgery.” Guatemalan Breast Cancer Reconstruction Conference.  
2<sup>nd</sup> Annual Symposium of the National Cancer Institute. Guatemala city, Guatemala, Feb.  
2012.
3. “New Innovations in Breast Reconstruction.” Guatemalan Breast Cancer Reconstruction.  
Conference. 2<sup>nd</sup> Annual Symposium of the National Cancer Institute.  
Guatemala city, Guatemala, Feb. 2012
4. Optimizing Breast Reconstruction: Fat Grafting, Dermal Matrices, and the Future.”  
7<sup>th</sup> Annual Breast Cancer Challenge Conference. University of Arkansas for Medical  
Sciences.  
Branson, MO, July 2012.
5. “Immediate versus Delayed Reconstruction in Patients Requiring Post Mastectomy  
Radiation.  
7<sup>th</sup> Annual Breast Cancer Challenge Conference. University of Arkansas for Medical  
Sciences.  
Branson, MO, July 2012.
6. “Most Challenging Cases over 5 Years”. American Society of Aesthetic Plastic Surgeons  
National Meeting, Montreal, 2015
7. “Tissue Liquefaction Technology for fat Transfer in Breast Reconstruction”. Hydrasolve  
Advisory Forum, February 2016

## RESEARCH AND OTHER SUPPORT:

### CURRENT AWARDED GRANTS

Role : Principle Investigator

Funding Source : LifeCell/Novadaq (Industry) \$80,000 materials

A prospective randomized trial to assess perfusion and patient satisfaction in nipple-areola mastectomy with immediate reconstruction

Role: Principle Investigator

Funding Source: Allergan

Description: Breast Implant Follow-Up Study

Role : Co-Investigator; PI: Terry Myckatyn

Funding Source : Allergan (Industry)

Description : Tumor:breast ratio and its impact on patient PRO following lumpectomy versus mastectomy with reconstruction.

Role : Co-Investigator; PI: Terry Myckatyn

Funding Source : Allergan (Industry) \$210,000

Description : The Impact of 3D Breast Imaging on Patient Reported Outcomes in Breast Augmentation Surgery

## BIBLIOGRAPHY:

### Peer Reviewed Manuscripts

1. Dolen UC, Cohen JB, Overschmidt B, **Tenenbaum MM**, Myckatyn TM. Fat Grafting with Tissue Liquefaction Technology as an Adjunct to Breast Reconstruction. Ann Plast Surg. Submitted.
2. Broderick K, Qureshi A, Belz J, Funk S, Reaven N, Brandt KE, **Tenenbaum MM**, Margenthaler JA, Aft RL, Myckatyn TM. The impact of acellular dermal matrices on post-reconstructive events and outcome pathways in staged prosthetic breast reconstruction. Plast and Recon Surg. Submitted.
3. Cohen JB, Carroll C, **Tenenbaum MM**, Myckatyn TM. Breast Implant-Associated Infections: The Role of the National Surgical Quality Improvement Program and the Local Microbiome. Plast Reconstr Surg. 2015 Nov;136(5):921-9. doi: 10.1097/PRS.0000000000001682. PubMed PMID: 26505698.

4. Poppler L, Cohen J, Dolen UC, Schriefer AE, **Tenenbaum MM**, Deeken C, Chole RA, Myckatyn TM. Histologic, Molecular, and Clinical Evaluation of Explanted Breast Prostheses, Capsules, and Acellular Dermal Matrices for Bacteria. *Aesthet Surg J*. 2015 Aug;35(6):653-68. doi: 10.1093/asj/sjv017. PubMed PMID: 26229126; PubMed Central PMCID: PMC4649701.
  
5. Cavallo JA, Gangopadhyay N, Dudas J, Roma AA, Jasielec MS, Baty J, Baalman S, Frisella MM, **Tenenbaum MM**, Myckatyn TM, Matthews BD, Deeken CR. Remodeling Characteristics and Collagen Distributions of Biologic Scaffold Materials Biopsied From Postmastectomy Breast Reconstruction Sites. *Ann Plast Surg*. 2015 Jul;75(1):74-83. doi: 10.1097/SAP.0000000000000538. PubMed PMID: 25910026; PubMed Central PMCID: PMC4466066.
  
6. Myckatyn TM, Cavallo JA, Sharma K, Gangopadhyay N, Dudas JR, Roma AA, Baalman S, **Tenenbaum MM**, Matthews BD, Deeken CR. The impact of chemotherapy and radiation therapy on the remodeling of acellular dermal matrices in staged, prosthetic breast reconstruction. *Plast Reconstr Surg*. 2015 Jan;135(1):43e-57e. doi: 10.1097/PRS.0000000000000807. PubMed PMID: 25539350; PubMed Central PMCID: PMC4515029.
  
7. Chao AH, Gangopadhyay N, **Tenenbaum MJ**, Myckatyn TM. Ultrapulse carbon dioxide laser versus traditional deepithelialization in reduction mammoplasty and mastopexy: clinical outcomes and cost analysis. *J Plast Reconstr Aesthet Surg*. 2013 Dec;66(12):e387-9. doi: 10.1016/j.bjps.2013.07.006. Epub 2013 Aug 14. PubMed PMID: 23953674.
  
8. Stevens WG, Hirsch EM, **Tenenbaum MJ**, Acevedo M. A prospective study of 708 form-stable silicone gel breast implants. *Aesthet Surg J*. 2010 Sep;30(5):693-701. doi: 10.1177/1090820X10381880. Erratum in: *Aesthet Surg J*. 2010 Nov-Dec;30(6):885. PubMed PMID: 20884898.
  
9. Stevens WG, Repta R, Pacella SJ, **Tenenbaum MJ**, Cohen R, Vath SD, Stoker DA. Safe and consistent outcomes of successfully combining breast surgery and abdominoplasty: an update. *Aesthet Surg J*. 2009 Mar-Apr;29(2):129-34. doi: 10.1016/j.asj.2008.12.002. PubMed PMID: 19371844.
  
10. Stevens WG, Pacella SJ, Gear AJ, Freeman ME, McWhorter C, **Tenenbaum MJ**, Stoker DA. Clinical experience with a fourth-generation textured silicone gel breast implant: a review of 1012 Mentor MemoryGel breast implants. *Aesthet Surg J*. 2008 Nov-Dec;28(6):642-7. doi: 10.1016/j.asj.2008.09.008. PubMed PMID: 19083592.
  
11. **Tenenbaum MJ**, Foglia RP, Becker DB, Kane AA. Treatment of giant omphalocele with intraabdominal tissue expansion. *Plast Reconstr Surg*. 2007 Nov;120(6):1564-7. PubMed PMID: 18040189.

12. Smyth MD, **Tenenbaum MJ**, Kaufman CB, Kane AA. The "clamshell" craniotomy technique in treating sagittal craniosynostosis in older children. J Neurosurg. 2006 Oct;105(4 Suppl):245-51. PubMed PMID: 17328272.

13. **Tenenbaum MM**, Myckatyn TM. Breast augmentation. Mo Med. 2006 May-Jun;103(3):282-7; quiz 287-8. PubMed PMID: 16910438.

14. Perlyn CA, Morriss-Kay G, Darvann T, **Tenenbaum M**, Ornitz DM. A model for the pharmacological treatment of crouzon syndrome. Neurosurgery. 2006 Jul;59(1):210-5; discussion 210-5. PubMed PMID: 16823318; PubMed Central PMCID: PMC2267918.

15. Darvann TA, Hermann NH, **Tenenbaum MJ**, Govier D, Naidoo S, Larsen P, Kreiborg S, Kane AA. Head shape development in deformational plagiocephaly - methods for registration of surface scans. In: Darvann TA, Hermann NV, Larsen P and Kreiborg S (eds.). Proceedings of Workshop 6 Craniofacial Image Analysis for Biology, Clinical Genetics and Treatment, Medical Image Computing and Computer Assisted Intervention (MICCAI). Copenhagen, Denmark, 2006; 59-66.

16. Patterson, JM, **Jaggars, MM**, Boyer MI. Ulnar and median nerve palsy in long-distance cyclists. A prospective study. Am J Sports Med. 2003 July-Aug; 31(4) 585-9. PMID: 12860549

#### Invited Publications/Textbook Chapters

**Tenenbaum M.J.**, Myckatyn T.M. Breast augmentation. Missouri Medical Journal. 103(3): 282-287, 2006.

“Plastic & Reconstructive Surgery”. **Tenenbaum MJ**, Rovak, J, Mackinnon, SE  
Wash U Manual of Surgery 2008

“Abdominal Contouring”. **Marissa J. Tenenbaum MD**, W. Grant Stevens, MD. "Decision Making in Plastic Surgery, 2nd Edition", by Jeffrey L. Marsh and Chad A Perlyn (Eds.)  
Published by QMP, St. Louis, MO, 2009.

“Skin Resurfacing; Laser Therapy”. **Marissa J. Tenenbaum MD**, W. Grant Stevens, MD.  
"Decision Making in Plastic Surgery, 2nd Edition", by Jeffrey L. Marsh and Chad A Perlyn (Eds.)  
Published by QMP, St. Louis, MO, 2009.

“Breast Ptosis”. **Marissa J. Tenenbaum MD**, W. Grant Stevens, MD. "Decision Making in Plastic Surgery, 2nd Edition", by Jeffrey L. Marsh and Chad A Perlyn (Eds.)  
Published by QMP, St. Louis, MO, 2009

#### Published Abstracts

Mundschenk, M, Krauss, E, **Tenenbaum, MJ**. Childbearing Experiences and Perceptions During Residency



Training: A Comparative Study". AAPS & PSRC Meeting. New York, NY May 2016

Mundschenk, MB, Odom, EB, Ghosh, TD, Kliebr, GK, Yee, A, Patel, KB, Mackinnon, SE, **Tenenbaum, MJ**, Buck, D. Are Residents Prepared for Surgical Cases? Implications in Patient Safety and Education. AAPS Meeting April 2015, Scottsdale, AZ

Dull BZ, Dauphin LE, Myckatyn TM, **Tenenbaum MM**, Cyr AE, Margenthaler JA, Nipple-Sparing Mastectomies: Clinical Outcomes. ASBS., 2015.

Sharma K, Cavallo J, Gangopadhyay N, Dudas J, Roma A, Baalman S, **Tenenbaum M**, Matthews B, Deeken C, Myckatyn TM. The histologic impact of chemotherapy and radiation on the remodeling of acellular dermal matrices in staged, prosthetic breast reconstruction. ASPS, Chicago, October 12, 2014.

Macias L, Spring M, Freeman M, **Tenenbaum M**, Stevens W Grant. Differences in Capsular Contracture and Seroma Rates Between Two Types of Textured Silicone Gel Breast Implants: A Review of 1720 Implants in 866 Patients. Presented at the Aesthetic Meeting 2014, San Francisco April 25, 2014

**Tenenbaum MM**, Brandt K, Klingensmith M. Pregnancy & Parenting during Surgical Training. Academic Surgical Congress, San Antonio, TX, Feb 2009.

Darvann TA, Hermann NV, Van Pelt A, Govier D, Naidoo S, **Tenenbaum MJ**, Lanche S, Ólafsdóttir H, Larsen P, Larsen R, Kreiborg S, Kane AA. A METHOD FOR DETAILED 3D ASYMMETRY ASSESSMENT IN CHILDREN WITH DEFORMATIONAL PLAGIOCEPHALY. 65<sup>th</sup> Annual Meeting of the American Cleft Palate Craniofacial Association, USA 2008

Darvann TA, Hermann NV, **Tenenbaum MJ**, Govier D, Naidoo S, Larsen P, Kreiborg S, Kane AA. Precision of head scan alignment for estimation of time development of deformational plagiocephaly. 64<sup>th</sup> Annual Meeting of the American Cleft Palate Craniofacial Association. Denver, Colorado, USA, 2007 (abstract, accepted, oral presentation).

Lanche S, Darvann TA, Ólafsdóttir H, Hermann NV, Van Pelt A, **Tenenbaum MJ**, Govier D, Naidoo S, Larsen P, Kreiborg S, Larsen R, Kane AA. A Statistical Model of Head Asymmetry in Infants with Deformational Plagiocephaly. SCIA (Scandinavian Image Analysis) 2007.

Lanche S, Darvann TA, Ólafsdóttir H, Hermann NV, Van Pelt A, **Tenenbaum MJ**, Govier D, Naidoo S, Larsen P, Kreiborg S, Larsen R, Kane AA. A Statistical Model of Head Asymmetry. Annual DTU Image Group Workshop, Informatics and Mathematical Modelling, Technical University of Denmark, Lyngby, Denmark, 2006 (poster).

Darvann TA, Hermann NV, **Tenenbaum MJ**, Govier D, Naidoo S, Larsen P, Kreiborg S, Kane AA. Landmark Based vs. ICP Registration of Head Surfaces in Children with Positional Plagiocephaly. Presented at the Medical Vision Day 2006, Technical University of Denmark, Lyngby, Denmark, June 1, 2006.

## WEBINARS

1. Tenenbaum, MM, Myckatyn, TM. An overview of HydraSolve tissue liquefaction technology. Premier Global Hot Topics 365 presentation series, on RADAR, sponsored by the Aesthetic Surgery Education Research Foundation, American Society of Aesthetic Plastic Surgery, April 22, 2014.

### Media Appearances

1. Fox News Appearances
  - a. Laser Bra
  - b. Beauty Myths
  - c. Breast Cancer and Reconstruction Series
  - d. Discussing Perils of Cosmetic Procedures in the hands of non-medical providers
2. Ladue news:
  - a. Discussing post-bariatric cosmetic procedures.
  - b. Discussing breast reduction surgery.
  - c. Discussing breast augmentation surgery.
  - d. Discussing breast reconstruction.
  - e. Discussing abdominoplasty.
  - f. Discussing Minimally Invasive Procedures
3. NBC News
  - a. Discussing Coolsculpting