

CURRICULUM VITAE
The Johns Hopkins University School of Medicine

05/16/2017

 Hooman Soltanian, MD, FACS
DEMOGRAPHIC AND PERSONAL INFORMATION**Current Appointments**

2000-2002	Instructor in Surgery	Plastic and Reconstructive Surgery	NYU Medical Center, NY, NY
2002-2004	Clinical Assistant Professor	Plastic Surgery	University of Pittsburgh School of Medicine
2007-2013	Assistant Professor	Plastic Surgery	Case Western Reserve University, School of Medicine
2013- Present	Associate Professor	Plastic Surgery	Case Western Reserve University, School of Medicine

Personal Data

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Reisterstown, MD 21136
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Education and Training**Doctoral/graduate**

1993 MD / Ludwig-Maximilians- University, Munich, Germany

Postdoctoral

1993-1994	Resident	Neurosurgery	University of Saarland, Germany
1994-1995	Resident	Neurosurgery	University of Bonn, Germany
1995-1998	Resident	General Surgery	Dartmouth-Hitchcock Medical Center, Lebanon, NH
1998-2000	Resident	Plastic Surgery	Albany Medical Center, Albany, NY
2000-2001	Fellow	Surgery of the Hand	NYU Medical Center, NY, NY
2001-2002	Fellow	Microsurgery	NYU Medical Center, NY, NY
6/2013	Student	Healthcare Excellence Certificate	CWRU, Weatherhead School of Management
12/2013	Student	Emotionally Intelligent Leader Certificate	CWRU, Weatherhead School of Management

Other Professional Courses

2008	Critical Thinking in Research Graduate Seminar	Case Western Reserve University
2009	Applied Biostatistics in Clinical Research Seminars	Case Western Reserve University
2010	Developing Leaders for Excellence Course Series	University Hospitals of Cleveland

9/2012	Six Sigma Yellow Belt Course	CWRU, Weatherhead School of Management
11/2012	Introduction to Emotional Intelligence	CWRU, Weatherhead School of Management
4/2013	Managing Changing Healthcare	CWRU, Weatherhead School of Management
5/2013	Developing Your Emotional Intelligence	CWRU, Weatherhead School of Management
6/2013	Using Influence to Sell Ideas, Products, and Services	CWRU, Weatherhead School of Management
8/2013	Cognitive Agility: A Mindfulness Approach to Openness, Flexibility, and Focus	CWRU, Weatherhead School of Management
11/2013	Essentials of Leadership Symposium	American Society of Plastic Surgeons Chicago, IL
2015-2016	Essentials of Leadership Certificate	American Society of Plastic Surgeons, Arlington, IL

Professional Experience

2002-2004	Attending Plastic Surgeon, Specialties of Plastic, Hand, and Microsurgery/Pittsburgh, PA
2004-2006	Attending Plastic Surgeon, Specialties of Plastic Surgery / Hartford, CT
2006-2017	Attending Plastic Surgeon, University Hospitals of Cleveland / Cleveland, OH
2017- Present	Attending Plastic Surgeon, The Johns Hopkins University, Baltimore, MD

PUBLICATIONS:

Original Research

1. Hohnloser JH, **Soltanian H**. Improving coded data entry through the use of an electronic patient record system: experience with the PADS ICD encoder. *Current Perspectives in Healthcare Computing*. 1995; Pp 298-306.
2. Hohnloser JH, Florian PP, **Soltanian H**. Improving Clinician's Coded Data Entry through the Use of an Electronic Patient Record System: 3.5 Years experience with a Semiautomatic Browsing and Encoding Tool in Clinical Routine. *Computer and Biomedical Research*. Feb 1996; 29(1): 41-47.
3. Rosen JM, **Soltanian H**, Redett RJ, Laub DR. Evolution of Virtual Reality in Medicine: From Planning to Performance of Surgery. *IEEE Engineering in Medicine and Biology*. April 1996; 15(2): pp. 16-22. (*Literature search and manuscript preparation*)
4. Hohnloser JH, Puerner F, **Soltanian H**. Improving Coded Data Entry by an Electronic Patient Record System. *Methods of Informatics in Medicine*. June 1996; 35 (2): 108-111.
5. Rosen JM, **Soltanian H**, Laub DR, Mecinski AD. The evolution of virtual reality from surgical training to the development of a simulator for health care delivery. A review. *Studies in Health Technology & Informatics*. 1996; 29:89-99. (*Literature search and manuscript preparation*)
6. Rosen JM, Laub DR, Pieper SD, Mecinski A, **Soltanian H**. Virtual Reality and Plastic Surgery. *Advances in Plastic and Reconstructive Surgery*. 1996; Pp 33-38.
7. **Soltanian H**, Beasley RW. Scapho-Trapezial Synovitis as a Cause of Prolonged Pain after Carpal Tunnel Release. *Orthopedics-New Jersey*. 2002; 25(Supp/12).
8. DeLacure MD, Rowe N, Levine JP, Kuriakose A, **Soltanian H**. Acellular Dermal Composite Allograft Reconstruction of the Radial Forearm Donor Site. *Journal of Reconstructive Microsurgery*. 2003;19 (7):509. (*Chart review, data collection, literature search, and manuscript preparation*)
9. Hazen A, **Soltanian H**, Levine JP, Gurtner CG. Utility of a Hand-Held Ultrasound Device for Planning and Monitoring of Microvascular Free Tissue Transfer. *Journal Reconstructive Microsurgery*. 2003;19 (7):507-508. (*Experimental design, data collection, literature search, and manuscript preparation*)
10. **Soltanian H**, de Bese G, Beasley RW. Passive hand prostheses. *Hand Clinics*. 2002;19(1):177-83.

11. Olivier WA, Hazen A, Levine JP, **Soltanian H**, Chung S, Gurtner GC. Reliable Assessment of Skin Flap Viability Using Orthogonal Polarization Imaging. *Plast. Reconstr. Surg.* 2003;112(2):547. *(Experimental design, data collection, literature search, and manuscript preparation)*
12. Rowe NM, Michaels J, **Soltanian H**, Dobryansky M, Peimer CA, Gurtner GC. Sonographically Guided Percutaneous Carpal Tunnel Release: An anatomic and cadaveric Study. *Ann. Plast. Surg.* 2005;55 (1): 52-6. *(Experimental design, data collection, literature search, and manuscript preparation)*
13. Michaels J, Levine JP, Hazen A, Geradini DJ, Galiano RD, **Soltanian H**, Gurtner GC. Biologic Brachytherapy: Ex Vivo Transduction of Microvascular Beds for Efficient, Targeted Gene Therapy. *Plast. Reconstr. Surg.* 2006;118(1):54. *(Experimental design, data collection, literature search, and manuscript preparation)*
14. Keiler L, **Soltanian H**, Shenk R, Silverman P, Leeming R, Lyons J. Impact of Postoperative Radiation Therapy on Postmastectomy Breast Reconstruction. *International Journal of Radiation Oncology Biology Physics.* 2007;69(3): S76. *(Manuscript preparation)*
15. **Soltanian H**, Okada H. Understanding Genetic Analysis for Breast Cancer and its Implications for Plastic Surgery. *Aesthetic Surg J.* 2008;28(1):85-91.
16. Jin J, Williams CP, Smith MK, **Soltanian H**, Sanabria J, Pearl J, Rosen MJ. Isolated Composite Full Thickness Abdominal Wall Allotransplantation for Treating Abdominal Wall Failure in a Porcine Model. *Journal of Surgical Research.*2008;144 (2):441-442. *(Experimental design, execution of the experiments, and manuscript preparation)*
17. Jin J, Williams CP, **Soltanian H**, Smith MK, Pearl J, Sanabria J, Rosen MJ. Use of abdominal wall allotransplantation as an alternative for the management of end stage abdominal wall failure in a porcine model. *J Surg Res.* 2010; 162(2):314-20. *(Experimental design and execution, data collection, literature search, and manuscript preparation)*
18. Zochowski CG, **Soltanian H**, Swartz, WM. Proximal Muscular Branch of the Deep Inferior Epigastric Artery for Partial Free Rectus Abdominis Muscle Flap. *Plastic & Reconstructive Surgery.* 2009; 124(4S):15-16. *(Experimental design and execution, data collection, literature search, and manuscript preparation)*
19. Berry DC, **Soltanian H**, Noy N. Repression of cellular retinoic acid-binding protein II during adipocyte differentiation. *J Biol Chem.* 2010; 285(20):15324-32. *(Execution of the experiments, data collection, and manuscript preparation)*
20. Zochowski C, **Soltanian H**, Sweeney W. The feasibility and Cost-Benefit of Postoperative Monitoring of Free Flap Breast Reconstruction in a Non-Intensive Care Setting. *Plast. Reconstr. Surg.* 2010;125(6S): 85. *(Experimental design and execution, data collection, literature search, and manuscript preparation)*
21. Harth KC, Rosen MJ, Blatnik J, Schomisch S, Cash A, **Soltanian H**. Chemical Myotomy with Botulinum Toxin for Abdominal Wall Reconstruction: A Porcine Pilot Study. *Plastic & Reconstructive Surgery.* 2011;127:99.
22. Chepla KJ, Armijo BS, Ponsky TA, **Soltanian HT**. Benefits of immediate dermoglandular preserving reconstruction following giant fibroadenoma excision in two patients. *Journal of Plastic, Reconstructive & Aesthetic Surgery.* 2011;64(9):e244-7.
23. **Soltanian HT**, Zochowski CG, Chepla KJ, Swartz WM. The first muscular branch of the deep inferior epigastric artery: An anatomic study and clinical applications. *Plast. Reconstr. Surg.* 2012;129(2):463-468.
24. Berry DC, DeSantis D, **Soltanian H**, Noy N. Retinoic Acid Upregulates Pre-adipocyte Genes to Block Adipogenesis and Suppress Diet Induced Obesity. *Diabetes.* 2012;61(5):1112-21. *(Execution of the experiments, data collection, and manuscript preparation)*

25. Fathi A, **Soltanian H**, Saber A. Surgical Anatomy and Morphologic Variations of Umbilical Structures. *American Surgeon*. 2012;78(5):540-4. (*Literature review and manuscript preparation*)
26. Chepla KJ, Dagget JR, **Soltanian HT**. The partial AlloDerm™ sling: Reducing allograft costs associated with breast reconstruction. *Journal of Plastic, Reconstructive & Aesthetic Surgery*. 2012; 65 (7), 924-930.
27. Oh E, Chim H, **Soltanian HT**. The Effect of Chemotherapy on the Surgical Outcomes of Breast Reconstruction. *J Plast Reconstr Aesthet Surg*. 2012;65(10):e267-80.
28. **Soltanian HT**, Liu MT, Cash AD, Iglesias RA. Determinants of Breast Appearance and Aging in Identical Twins. *Aesthetic Surg J*. 2012;32(7): 846-60.
29. Long SA, Scharf Stern C, Napier Z, Mandel B, **Soltanian HT**, Bentz ML, Rosen JM, Hazen A. Educational Efficacy of a Procedural Simulator in Plastic Surgery: Phase I Multicenter Study. *Plastic and Reconstructive Surgery*. 2013;132 (4S-1):13. (*Study design, Subject enrollment, and manuscript preparation*)
30. Brown M, Adenuga P, ***Soltanian HT**. Massive Panniculectomy in the super obese and super-super obese: Retrospective Comparison of Primary Closure versus Partial Open Wound Management Plastic and Reconstructive Surgery. 2014;133(1):32-39. *corresponding author.
31. Cory CN, Gao Y, De Silva G, Yang J, Anderson JM, Novitsky YW, **Soltanian HT**, Rosen MJ. The Effects of Losartan on Abdominal Wall Fascial Healing. Hernia. 2014;19(4):645-650. (*Study design, performing experiments, and manuscript preparation*)
32. De Silva GS, Krpata DM, Gao Y, Criss CN, Anderson JM, **Soltanian HT**, Rosen MJ, Novitsky YW. Lack of Identifiable Biologic Behavior in a Series of Porcine Mesh Explants. *Surgery*. 2014;156(1):183-9. (*Study design, specimen evaluation, and manuscript preparation*)
33. Lee M, **Soltanian HT**. Breast fibroadenomas in adolescents: current perspectives. *Adolescent Health Medicine & Therapeutics*.2015;6:159-63.
34. Kearney AM, Brown MS, **Soltanian HT**. Timing of radiation and outcomes in implant-based breast reconstruction. *Journal of Plastic, Reconstructive & Aesthetic Surgery: JPRAS*. 2015;68(12):1719-26.
35. **Soltanian HT**, Garcia, RM, Hollenbeck ST. Current Concepts in Lower Extremity Reconstruction. *Plastic & Reconstructive Surgery*. 2015;136(6):815e-829e.
36. Ascha M, McDaniel J, Link I, Rowe D, **Soltanian H**, Sattar A, Becker D, Lakin GE. Social and Support Services Offered by Cleft and Craniofacial Teams: A National Survey and Institutional Experience. *Journal of Craniofacial Surgery*. 2016;27(2):356-60. (*Study design, data analysis, and manuscript preparation*)
37. Kurlander DE, Brown MS, Iglesias RA, Gulani V, **Soltanian HT**. Mapping the superficial inferior epigastric system and its connection to the deep system: An MRA analysis. *Journal of Plastic, Reconstructive & Aesthetic Surgery*.2016; 69(2):221-6.
38. **Soltanian HT**. Surgical Simulation Update for Resident Education in Plastic Surgery. *Plastic and Reconstructive Surgery–Global Open*. 2016;4(6): e773.
39. Saber AA, Shoar S, El-Matbouly M, Karam M, Bashah MM, Alkuwari MJ, Al Najjar A, Sargsyan D, Mahmoud N, **Soltanian H**. Laparoscopic Sleeve Gastrectomy in Patients with Abdominoplasty: A Case-Control Study. *Surgery for Obesity and Related Diseases*. 2017;13(2): 144-49. (*Study design, data analysis, and manuscript preparation*)
40. Alleyne B, Okada HC, Leuchtag RM, Rowe DJ, **Soltanian HT**, Becker DB, Lakin GE. Cleft and Craniofacial Clinic Formats in the United States: National and Institutional Survey. *Journal of Craniofacial Surgery*. 2017;1049-2275. (*Study design, data analysis, and manuscript preparation*)

Review Articles

1. **Soltanian H.** Advances in Upper and Lower Extremity Microvascular Reconstructions. *Plastic & Reconstructive Surgery*. 2004;113(5):1512.

Case Reports

1. **Soltanian H**, Sanders Jr. JH, Robb JC, Marrin CAS. Hybrid Myocardial Revascularization after Previous Left Pneumonectomy. *Ann Thoracic Surg*. 1998; 65: 259-60.
2. Cash A, Pavlidakey P, **Soltanian H**. Carcinoma Recurrence Within A Mastectomy Scar. *Journal of Cutaneous Pathology*. 2012;39 (1): 152.
3. Chim H, Mazloom S, **Soltanian HT**. Spontaneous compartment syndrome of the forearm in association with nephrotic syndrome. *J Surg. Case Reports*. 2012; 2012(8): 11-11.

Book Chapters, Monographs

1. Rosen JM, Laub Jr. DR, Pieper SD, Mecinski AM, **Soltanian H**. Virtual Reality and Plastic Surgery. *Advances in Plastic & Reconstructive Surgery*. Mosby-Year Book, Inc.1997;13():33-46. (*Literature review and manuscript preparation*)
2. Siebert JW, **Soltanian H**, Hazen A. Hemifacial Atrophy. In *Plastic Surgery*, edit Mathes & Hentz, 2/e, 2006. (*Literature review and manuscript preparation*)
3. **Soltanian H**. Tenosynovitis. In *Grabb and Smith's Plastic Surgery*. Sixth edition. 2006.
4. **Soltanian H**. Rotational and Free Flap Closure of the Abdominal Wall. In *Atlas of Abdominal Wall Reconstruction*. Edited by Michael J. Rosen. October 2011.
5. **Soltanian H**. Plastic Surgical Techniques. In *Hinman's Atlas of Urologic Surgery* 3rd edition, Editor Joseph Smith et.al. 2012.
6. **Soltanian H**. Establishing Centers of Excellence. In *Abdominal Wall Reconstruction*. Editors Parag Bhanot and Maurice Nahabedian. Cine-Med Publishing, 2014.
7. **Soltanian H**. Rotational Muscle Flaps for Abdominal Wall Reconstruction. In *Abdominal Wall Reconstruction*, Editors Parag Bhanot and Maurice Nahabedian. Cine-Med Publishing. 2014.
8. **Soltanian H**, Butler C. Perineal Reconstruction to Include Vaginal Reconstruction. In *Operative Microsurgery*. Editors Brian Boyd and Neil Jones. McGraw-Hill Professional. 2015.
9. Chmielewski L, Lee M, **Soltanian H**. Tissue Expanders in Abdominal Wall Reconstruction. In *Hernia Surgery: Current Principles*. Editor Yuri W. Novitsky. Springer 2016.

Other Publications: Suggested Additional Subcategory Titles:

Proceedings Reports

1. Lyon HC, **Soltanian H**. Significant Efficiency Findings from Research on Computer-Based Interactive Medical Education Programs for Teaching Clinical Reasoning. *MEDINFO 92*: KC Lun et al (editors) Elsevier Science Publishers (North-Holland). 1992. 1088-1094. (*manuscript preparation*)
2. Hohnloser JH, **Soltanian H**. Positive Efficiency findings Using Computer-Assisted ICD-Encoding – 3.5 Years of Experience with the Computerized Patient Record System PADS (Patient Archiving and Documentation System). *Proceedings of the Annual Symposium on Computer Application in Medical Care*.1994; S965-966, 1994.

- Rosen JM, Laub DR, Pieper SD, Mecinski AM, **Soltanian H**, McKenna MA, Chen D, Delp SL, Loan JP, Basdogan C. Virtual Reality and Medicine: From Training Systems to Performance Machines. Virtual Reality Annual International Symposium, Proceedings of the IEEE 1996.

Other Media [OM] (Videos, Websites, Blogs, Social Media, etc.)

- Soltanian H**, Brown M. Chest Wall Anatomy. Medscape Electronic Publication. November 2012.

FUNDING

EXTRAMURAL Funding

- | | |
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| 2009 | Reversible Chemical Myotomy for Lateral Abdominal Wall Release
Pilot Grant.
No Grant Number
Plastic Surgery Education Foundation
\$ 10,000.00
PI: Hooman Soltanian, MD
<i>No salary support was provided.</i> |
| 2009 | Determinants of Breast Appearance and Disorders in Identical Twins
No Grant Number
The Aesthetic Surgery Education and Research Foundation
\$ 25,000.00
PI: Hooman Soltanian, MD
<i>No salary support was provided.</i> |
| 2009 | Prospective, randomized, controlled two-arm superiority study to evaluate the PEAK PlasmaBlade™ 4.0 in bilateral breast reduction.
Industry funded research
No Grant Number
Peak Surgical, Inc.
\$ 8,000.00
Site PI: Hooman Soltanian, MD
<i>No salary support was provided.</i> |
| 2010 | Determinants of Breast Appearance and Disorders in Identical Twins Part Two
No Grant Number
The Aesthetic Surgery Education and Research Foundation
\$ 20,000.00
PI: Hooman Soltanian
<i>No salary support was provided.</i> |
| 2016-2017 | The Effect of Fat Grafting on Radiation Induced Capsular Contracture.
Aesthetic Surgery Education and Research Foundation
No Grant Number
\$ 32,900 (<i>On hold due change of institutions</i>)
PI: Hooman Soltanian, MD
<i>(No salary support provided)</i> |
| 2016-2018 | Targeting Microperfusion to Improve Vascular Composite Quality and Allotransplantation Outcome.
GRANT12044249
Department of Defense
\$ 998,920.00
PI: James Reynolds, PhD
Role: Collaborator
<i>(I had to discontinue the collaboration early 2017 because of my departure from the institution)</i> |

CLINICAL ACTIVITIES

Clinical Focus

- Breast Reconstruction including microvascular tissue transfer
 - Establishing MR-Angiography for preoperative planning
- Major Reconstructive Procedures for post-traumatic and oncologic defects

Certification

1995 ECFMG Certificate

Medical, other state/government licensure

2000-2002	New Hampshire	
2000-2002	New York (Trainee License)	
2002-2018	Pennsylvania	MD418848
2004-2018	Connecticut	42585
2006- 2018	Ohio	35.088899
2017- 2017	Maryland	D82813

Boards, other specialty certification

2003 American Board of Plastic Surgery
Recertified until 2023

Clinical (Service) Responsibilities

2007- 2016	Chief, Division of Breast Plastic Surgery	University Hospitals of Cleveland, Department of Plastic Surgery
2007- 2017	Director, Microsurgery Training Course	University Hospitals of Cleveland, Department of Plastic Surgery
2009-2012	Associate Director, Plastic Surgery Residency Program	University Hospitals of Cleveland, Department of Plastic Surgery
2012- 2016	Director, Plastic Surgery Residency Program	University Hospitals of Cleveland, Department of Plastic Surgery
2013-2015	Vice Chair, Department of Plastic Surgery	University Hospitals of Cleveland, Department of Plastic Surgery
2015-2017	Interim Chair, Department of Plastic Surgery	University of Hospitals of Cleveland, Department of Plastic Surgery

Membership in or examiner for specialty board

2013-Present Oral Board Examiner The American Board of Plastic Surgery

EDUCATIONAL ACTIVITIES

Teaching

- Plastic Surgery Resident Training
- Medical Student Teaching
- Development of new educational tools including Virtual Reality and computer modelling.

Classroom Instruction

2008-2014	Plastic Surgery Principles 3 rd Year Medical Students	Case Western Reserve University 2 hour Lecture every 2 months
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Clinical instruction

2007-2017	Plastic Surgery Core Curriculum Plastic Surgery Residents	Case Medical Center 20 Hours of lectures per year
2007- 2016	Microsurgical Training Plastic Surgery and Orthopedic Residents	Case Medical Center 24 hours of instructions per year

Workshops /seminars

2007	Plastic Surgery of the Breast and Body Women's Health Expo at Geauga Medical Center Gauga, OH
2007	Body Contouring after Massive Weight Loss Bariatric Support Group, Case Medical Center Cleveland, OH
2008	Body Contouring after Massive Weight Loss Bariatric Support Group, Geauga Medical Center Gauga, OH
2008	Breast Cancer Reconstruction Hope Action Treatment Survivorship, Minority Women with Breast Cancer Uniting Cleveland, OH
2009	Body Contouring after Massive Weight Loss Bariatric Support Group, Geauga Medical Center Gauga, OH

Mentoring

Thesis committees

August 2015	Elyse Benner, Digital Signal Processing of Human Skin Videos to Estimate Regions of Significant Blood Perfusion. Master of Science in Electrical Engineering. I provided the candidate with the topic and the clinical idea for her thesis. I also provided her with guidance related to the clinical aspects of the thesis. Citation: Benner, E. (2016). <i>Digital Signal Processing of Human Skin Videos to Estimate Regions of Significant Blood Perfusion</i> . (Electronic Thesis or Dissertation). Retrieved from https://etd.ohiolink.edu/
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Educational Program Building / Leadership

2007- 2017	Clinical Training of Plastic Surgery Residents Program Director 2012 - 2016	Five days a week
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RESEARCH ACTIVITIES

Research Focus

Inventions, Patents, Copyrights

Microvascular Anastomotic Device	A novel device and methodology for faster microvascular anastomosis. Provisional Patent Applied.
Abdominal Wall Closure Device	A novel device and methodology for closure of larger abdominal wall defects. Patent Application Applied, Pending.
Device for fixation of tissues	A novel device and methodology for easier and more effective fixation of living tissues in-vivo. Provisional Patent Applied.

SYSTEM INNOVATION AND QUALITY IMPROVEMENT ACTIVITIES

System Innovation Focus

System Innovation and Quality Improvement Program Building/Leadership:

Partial Dermal Matrix Sling for Implant Breast Reconstruction	Intra-operative assessment of the pectoralis major muscle leads to the use of a smaller piece of acellular dermal matrix. This did not affect the clinical outcome and decreased the cost. The results were published in the Journal of Plastic, Reconstructive & Aesthetic Surgery.
Open Treatment of Massive Panniculectomy Wounds	I devised an open wound regimen of treatment of super-morbidly obese patients after panniculectomy. A retrospective analysis of the outcomes indicated lower rate of wound related complications and hospital re-admissions. The results were published in the Journal of Plastic and Reconstructive Surgery.

ORGANIZATIONAL ACTIVITIES

Institutional Administrative Appointments

2010- 2013	Admission Committee	Case Western Reserve University, School of Medicine Interviewer
2011- 2014	Institutional Review Board	Case Medical Center Member
2011-Present	Breast Service Task Force	Case Medical Center Member
2014- 2015	Committee for Appointment, Promotion and Tenure. Department of Plastic Surgery	Case Western Reserve University, School of Medicine Chair
2014- 2015	Search Committee: Department of Surgery Chair	CWRU School of Medicine / Case Medical Center Member
2015 – 2016	Patient Experience Committee	Case Medical Center Co-Chair

Editorial Activities

Associate Section Editor for Trunk Procedures in Operative Techniques in Plastic Surgery. Lippincott Williams & Wilkins. In press

Journal peer review activities

Journal of Plastic and Reconstructive Surgery
Aesthetic Surgery Journal
Simulation in Healthcare Journal
Journal of Sexual Medicine
Clinics in Oncology

Advisory Committees, Review Groups/Study Sections

2010-2013	Member of Clinical and Rehabilitative Advisory Team	Armed Forces Institute of Regenerative Medicine
2014-2016	Member of Advisory Board	Institute for Surgical Excellence (Non-Profit)

Professional Societies

2004-Present American Society of Plastic Surgeons

	2006- Present		Instructional Course Committee
	2007-2010		Practice Management Committee
	2012-2014		In-Service Examination Committee
	2012- Present		Health Policy Committee
	2012-2014		Plastic Surgery Education Network Assistant Editor
	2014- Present		Leadership Development Committee Member
	2014 – Present		Breast Reconstruction Performance Measure Development Work group Member
	2015- 2017		Instructional Course Committee, Chair Reconstructive Subcommittee Fellow Member
2005- Present	American College of Surgeons		
2007- 2017	Ohio Valley Society of Plastic Surgeons		
2009- Present	American Council of Academic Plastic Surgeons		
	2009-2012		Associate Member
	2009-2012		Virtual Reality and Simulation Committee Member
	2010- Present		Representative to the Alliance for Surgical Simulation in Education and Training
	2012-2013		Virtual Reality and Simulation Committee Co-Chair
	2013- 2017		Virtual Reality and Simulation Committee Chair
2009- Present	Plastic Surgery Research Council		Member
	20014- Present		Technology Committee Member
2009- Present	American Society of Aesthetic Plastic Surgery		Member
2013- Present	The Aesthetic Surgery Education and Research Foundation		Scientific Research Committee Member and Grant Reviewer
2012-Present	American Association of Plastic Surgeons		Member
	2016		Technology Committee
	2016		Program Committee
2012- Present	American Society for Reconstructive Microsurgery		Member
2013- 2016	American Association for Physician Leadership		Member
2015- 2017	The Association for Surgical Education		Member

Consultantships

2015-2017	Buckeye Quality Improvement Committee	Buckeye Health Plan Member
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RECOGNITION

Awards, Honors

1989-1991	Bavarian Government Scholarship	University of Munich	Exceptional Academic Performance in Medical School
1996	In-Service Award	Dartmouth-Hitchcock Medical Center	Highest score in the in-service exam among all residents in

1997	In-Service Award	Dartmouth-Hitchcock Medical Center	General Surgery Highest score in the in-service exam among all residents in General Surgery
2001	First Place Presentation	New York Regional Society of Plastic and Reconstructive Surgery	Best scientific paper presentation
2002	First Place Presentation	New York Regional Society of Plastic and Reconstructive Surgery	Best Scientific paper presentation
2014	Educator of the Year	Case Medical Center Department of Plastic Surgery	
2014	Innovation Award	Case Medical Center, Center for Clinical Research and Technology	Fascial Approximator for Hernia Repair
2012-2013	Top Doctor	U.S. News and World Report	
2012-2015	America's Top Doctors	Castle Connolly Medical LTD.	
2014 –15	Best Doctors in America	Best Doctors INC.	
2015	Cleveland Top Doctors	Cleveland Magazine	
2016	Regional Top Doctors	Castle Connolly Medical LTD.	
2016	Cleveland Top Doctors	Cleveland Magazine	
2017	Regional Top Doctors	Castle Connolly Medical LTD.	

Invited Talks

Regional

2007	Soft Tissue Coverage Grand Rounds Orthopedic Department, Case Medical Center Cleveland, OH
2007	Breast Reconstruction after Mastectomy Invited Lecture, Oncoplastic Surgery for Breast Cancer Case Medical Center
2008	Modern Concepts in Breast Reconstruction Grand Rounds, Department of Surgery, Case Medical Center Cleveland, OH
2009	Wound Healing, Graft and Flap Physiology Grand Rounds, Department of Otolaryngology, Case Medical Center Cleveland, OH
2009	Latest Breast Reconstruction Techniques Annual Breast Cancer Update, Case Comprehensive Cancer Center Cleveland, OH
2009	Latest Techniques in Breast Reconstruction in Patients with BRCA Mutation Grand Rounds, Department of Obstetrics and Gynecology Case Medical Center Cleveland, OH
2010	Tissue Flaps in Extremity Reconstruction Grand Rounds, Division of Vascular Surgery, Case Medical Center Cleveland, OH
2011	Restoring Image after Mastectomy: DIEP Reconstruction Breast Cancer Detection and Management Cleveland, OH
2012	Breast Reconstruction and Oncoplastic Surgery Grand Rounds, Department of Surgery, Ahuja Medical Center Cleveland, OH

National

2002 Holding Your Practice in the Palm of Your Hand
Invited Panelist at ASPS Annual Meeting
San Antonio, TX

2002-2008 Get the Most from Your Hand-Held Computer: Manage Billing and Coding More Efficiently
ASPS Annual Meeting, Two hour instruction course

2009 Medical Simulation and Training
8th Annual TechNet Meeting, Armed Forces Communications and Electronics Association
Orlando, FL

2009 Computer Simulation in Plastic Surgery: A Survey
American Council of Academic Plastic Surgeons
Palm Springs, CA

2010 Genital and Perineal Reconstruction
Invited Panelist, American Society of Reconstructive Microsurgery
Boca Raton, FL

2010 Abdominal Wall Anatomy, Flaps, and Conservative Treatment (3 Lectures)
Abdominal Wall Reconstruction Summit
Breckenridge, CO

2010 Determinants of Appearance in Identical Twins
American Society for Aesthetic Plastic Surgery (Selected Abstract)
Washington, DC

2010 Genital and Perineal Reconstruction
ASPS Annual Meeting, Two hour instructional course
Toronto, Canada

2011-13 Abdominal Wall Anatomy and Flaps (2 lectures every year)
Abdominal Wall Reconstruction Summit
Breckenridge, CO

2010 Determinants of Appearance in Identical Twins: Part Two
American Society for Aesthetic Plastic Surgery (Selected Abstract)
Boston, MA

2011 Value Based Medicine in Breast Surgery
4th Radford C. Tanzer Symposium
Lebanon, NH

2012 Determinants of Breast Appearance in Identical Twins: Part 3 (Selected Abstract)
American Society for Aesthetic Surgery
Vancouver, BC

2013 Soft-Tissue Flaps in Abdominal Wall Reconstruction
American College of Surgeons
Washington, DC

2013 Healthcare Systems Management: Big Data
Visiting Professor, Thayer School of Engineering, Dartmouth College
Hanover, NH

2014 Tissue Flaps and Expanders in Abdominal Wall Reconstruction
Treatment of Diastasis Recti
Presented at Abdominal Wall Reconstruction Summit
Vail, CO

2014 Virtual Reality in Plastic Surgery. University of Wisconsin School of Medicine. Plastic Surgery Grand Rounds. July 2014

2014 Breast Reconstruction: Observations. Johns Hopkins University, Department of Plastic and Reconstructive Surgery Grand Rounds. September 2014

2015 Expanders in Abdominal Wall Reconstruction
Treatment of Diastasis Recti. Presented at Abdominal Wall Reconstruction Summit
Vail, CO. February 2015

2015 Transversus Abdominis Release in Abdominal Wall Reconstruction. Presentation and Cadaver Lab Instruction. American Society of Plastic Surgeons Annual Meeting. Boston, MA. October 2015

2016 Computer Simulations in Surgical Training. American Council of Academic Plastic Surgeons. Chicago, IL.

2016 Use of Tissue Expanders for Abdominal Wall Reconstruction. Presented at Abdominal Wall Reconstruction Summit, Vail, CO. February 2016

- 2016 Breast Reconstruction: Personal Observations. Yale School of Medicine. Section of Plastic and Reconstructive Surgery. New Haven, CT. Grand Rounds. June 2016.
- 2017 Panniculectomy. Presented at Abdominal Wall Reconstruction Summit, Park city, UT. February 2017

International

- 2013 Management of Challenging Abdominal Wall Soft-Tissue Problems
International Web Symposium, Case Medical Center
Cleveland, OH
- 2014 Breast Reconstruction
Fifth Breast Cancer Symposium of Sun Yat-sin and Harvard Universities
Guangzhou, China
- 2015 Modern Breast Reconstruction Methods. Presented to a group of Medical Students at Tokyo University. Tokyo, Japan. June 2015
- 2015 Techniques in Breast Reconstruction
9th Breast Cancer Committee Annual Meeting of Guangdong Anti-cancer Association
New Theory and Technique on Diagnosis and Treatment of Breast Disease Workshop
Guangzhou, China. June 015
- 2016 Breast Reconstruction and Oncoplastic Techniques
Guangzhou, China

OTHER PROFESSIONAL ACCOMPLISHMENTS

Posters

1. **Soltanian H**, Hoehn JG. Flexor Tendon Ganglion Cyst in a Four Month old: A Case Report. Poster presentation at Senior Resident Conference, Gainesville, Fl. April 2000.
2. **Soltanian H**, Hoehn JG. CPT and ICD Coding on Handheld Computers. Poster presentation at the 2001 Adrian E. Flatt Residents and Fellows Conference. American Society of Surgery of the Hand. Baltimore. 2001.
3. McDaniel J, A. Saber, **Soltanian H**. The Umbilicus: what Every Surgeon Should Know. Ohio Valley Society of Plastic Surgeons, 53rd Annual Meeting, Cleveland, OH. May, 2010
4. Zochowski C, Faber C, Larson K, **Soltanian H**. Complications Associated with Radiation and Chemotherapy in Patients Reconstructed With Alloderm and Implants. Poster at the 54th Annual Meeting of the Ohio Valley Society of Plastic Surgeons. June 2011, Greenbrier, WV

Oral/Podium Presentations [abstracts that were both presented orally and published]

- 1- Lyon HC, **Soltanian H**. Multi Media Educational Programs for Medical Students, Medical Doctors and Patients. Presentation at the Annual Symposium of Deutsche Gesellschaft fur Medizinische Dokumentation, Informatik und Statistik; Munich, Germany, September 1991.
- 2- Rosen JM, Laub DR, Pieper SD, Mecinski AM, **Soltanian H**, McKenna MA, Chen D, Delp SL, Loan JP, Basdogan C. Virtual Reality and Medicine: From Training Systems to Performance Machines. Proceedings of VRAIS 1996.

- 3- **Soltanian H.** Handheld Computers for PSOL Data Collection and CPT Coding. Presentation at New York Upstate Plastic Surgery Society, Rochester, NY. May 2000.
- 4- **Soltanian H,** Hoehn JG. CPT Coding for Plastic Surgeons on Handheld Computers. 69th ASPS Scientific Meeting, Los Angeles, CA, October 2000.
- 5- Rowe NM, **Soltanian H.** Sonographic Assisted Minimally Invasive Carpal Tunnel Release. Presented at New York Regional Society of Plastic and Reconstructive Surgery. New York, NY, March 2001.
- 6- Rowe NM, **Soltanian H,** Levine JP, Elias TN, Beasley RW, Peimer CA, Gurtner CG. Sonographic Assessment of Hand and Forearm anatomy: A Comparison of Handheld and Traditional Sonography Units. 70th ASPS Scientific Meeting, Orlando, FL November 2001.
- 7- Chang RR, **Soltanian H,** Olikier A, Cutting BC, Beasley RW, Golimbu C. Creation of a New Generation of Diagnostic and Teaching Aides Based on High-End Technologies. Presented at New York Regional Society of Plastic and Reconstructive Surgery. New York, NY, March 2002.
- 8- **Soltanian H,** Hazen A, Galiano RD, Derderian CA, Levine JP, Gurtner GC. The Effect of Solubilized Dermal Matrix on Contraction of Fibroblast Populated Collagen Gels. Presented at 47th Annual Meeting of Plastic Surgery Research Council. Boston, MA, April 17-20, 2002.
- 9- **Soltanian H,** Beasley RW, Golimbu C, Cutting CB, Gurtner GC. Real-Time Modeling of Operative Anatomy and Procedures: The combination of Imaging and Animation technology. Presented at 47th Annual Meeting of Plastic Surgery Research Council. Boston, MA, April 17-20, 2002.
- 10- Hazen A, **Soltanian H,** Galiano RD, Levine JP, Park S, Gurtner GC. Optimization of Ex-Vivo Gene Therapy for Local Tumor Control. Presented at 47th Annual Meeting of Plastic Surgery Research Council. Boston, MA, April 17-20, 2002.
- 11- Hazen A, **Soltanian H,** Galiano RD, Levine JP, Park S, Gurtner GC. Targeted Gene Therapy Using Microvascular Tissue Transfer: Optimization of Transfection Parameters. Presented at ASPS Annual Scientific Meeting. San Antonio, TX, November 2002.
- 12- **Soltanian H,** Olikier A, Beasley RW, Golimbu C, Gurtner GC, Cutting BC. Three-Dimensional and Interactive Animation of Carpal Kinematics: An Example of Real-Time Modeling of Complex and Dynamic Anatomy. Presented at ASPS Annual Scientific Meeting. San Antonio, TX, November 2002.
- 13- DeLacure MD, Rowe NE, Levine JP, Kuriakose A, **Soltanian H.** Acellular Dermal Composite Allograft Reconstruction of the Radial Forearm Donor Site- a Significant Improvement in Form and Function. Presented at the 18th Annual Meeting of the American Society for Reconstructive Microsurgery. Kauai, HI, January 2003.
- 14- Breast Reconstruction with Free Tissue Transfer at a City Hospital: A 12 year Experience. **Hooman Soltanian, MD,** Alexes Hazen, MD, Jennifer Capla, BA et al. Presented at the 18th Annual Meeting of the American Society for Reconstructive Microsurgery. Kauai, HI, January 2003.
- 15- **Soltanian H,** Beasley RW. Scapho-Trapezial Synovitis as a Cause of Prolonged Pain after Carpal Tunnel Release. Presented at American Association for Hand Surgery, Annual Meeting. Kauai, HI 2003.
- 16- Hazen A, **Soltanian H,** Levine JP, Gurtner GC. Utility of a Hand-Held Ultrasound Device for Planning and Monitoring of Microvascular Free Tissue Transfer. Presented at the 18th Annual Meeting of the American Society for Reconstructive Microsurgery. Kauai, HI, January 2003.
41. Jin J, Williams CP, Smith MK, **Soltanian H,** Sanabria J, Pearl J, McGee MF, Rosen M. Isolated Composite Full Thickness Abdominal Wall Allotransplantation for Treating Abdominal Wall Failure in a Porcine Model. Presented at the Academic Surgical Congress, Huntington Beach, CA 2008.

42. Jin J, Williams CP, Smith MK, **Soltanian H**, Sanabria J, Pearl J, McGee MF, Rosen M. The Use of Abdominal Wall Allotransplantation as an Alternative for the Management of End Stage Abdominal Wall Failure. Presented at the American Hernia Society Meeting, Scottsdale, AZ 2008.
5. Zochowski C, **Soltanian H**, Swartz W. Proximal Muscular Branch of the Deep Inferior Epigastric Artery for Partial Free Rectus Abdominis Muscle Flap. ASPS Annual Meeting Seattle. October 2009.
6. Zochowski C, **Soltanian H**, Gulani V. Use of MRA in Pre-Operative Planning of Deep Inferior Epigastric Artery Perforator Flap Breast Reconstruction. ASRM Meeting, Boca Raton, FL. January 2010.
7. Zochowski C, **Soltanian H**. Use of MRA in Pre-Operative Planning of Deep Inferior Epigastric Artery Perforator Flap Breast Reconstruction. Ohio Valley Society of Plastic Surgeons, 53rd Annual Meeting, Cleveland, OH. May, 2010.
8. Zochowski C, **Soltanian H**, Sweeney W. The Feasibility and Cost-Benefit of Postoperative Monitoring of Free Flap Breast Reconstruction in a Non-Intensive Care Setting. 55th Annual Plastic Surgery Research Council Meeting, San Francisco, CA 2010.
9. Harth K, Rosen M, Blatnik J, Schomisch S, Cash A, **Soltanian H**. Chemical Myotomy With Botulinum Toxin for Abdominal Wall Reconstruction: A Porcine Pilot Study. 56th Annual Plastic Surgery Research Council Meeting, Louisville, KY. 2011.
10. Fathi A, **Soltanian H**, Saber A. Surgical Anatomy and Morphologic Variations of Umbilical Structures. 97th Clinical Congress. American College of Surgeons. San Francisco, CA October 2011.
11. Sadeghi Z, **Soltanian H**, Hijaz A. Effect of human adipose mesenchymal stem cells on the continence mechanism in a vaginal distention rat model of stress urinary incontinence. Ob/Gyn Research Day. May 2013
12. Iglesias RA, Liu MT, Sekhon S, **Soltanian HT**. Determinants of Breast Shape and Symmetry in Identical Twins. Ohio Valley Society of Plastic Surgeons Meeting. Indianapolis, Indiana, May 2013
13. James R, Sadeghi Z, Bicer F, Weaver J, Kavran M, El Hasan R, **Soltanian H**, Hijaz A. Effect of Human Adipose Mesenchymal Stem Cells on the Continence: mechanism and Histological Analysis in a Vaginal Distention Rat Model of Stress Urinary Incontinence. Society of Urodynamics, Female Pelvic Medicine & Urogenital Reconstruction Meeting, 2014.
14. Posielski NM, Petro CP, Novitsky YW, **Soltanian HT**, Rosen MJ. Use of Chemical Component Separation for Primary Wound Closure in an Open Abdomen. SAGES Annual Meeting, April 5th, 2014.
15. Ascha M; McDaniel J; Link I; Rowe D; **Soltanian H**; Sattar A; Becker D; Lakin GE. Social and Support Services Offered by Cleft and Craniofacial Teams: A National Survey and Institutional Experience.. 72nd Annual American Cleft Palate-Craniofacial Association meeting. Palm Spring, CA. April 2015.
16. Mapping the Superficial Inferior Epigastric System and its Connection to the Deep System: An MRA Analysis. David Kurlander, Matthew Brown, **Hooman Soltanian**. Presented at the 57th Annual Meeting of the Ohio Valley Society of Plastic Surgeons, White Sulphur Springs, WV, June 6th, 2014.
17. Kearney AM, Brown MS, **Soltanian HT**. Timing of Radiation and Outcomes in Implant Based Breast Reconstruction. Presented at the 57th Annual Meeting of the Ohio Valley Society of Plastic Surgeons, White Sulphur Springs, WV, June 6th, 2014.
18. Long T, Roth M, **Soltanian H**. Augmenting the Concept of Informed Consent with Use of New Visual and Sharing Technology.. Presented at ASPS Annual Scientific Meeting. October 2015. Boston, MA
19. Kurlander D, Iglesias R, **Soltanian H**. Mapping the Superficial Inferior Epigastric System and Its Connection to the Deep System: An MRI analysis. Plastic and Reconstructive Surgery. 135(4S) AAPS 2015 Abstract Supplement: 1235, April 2015.

Humanitarian Activities

2010	Surgical Mission	Reconstructive International Cooperative Exchange, Hanoi, Vietnam
2011	Surgical Mission	Riyadh, Saudi Arabia
2012	Surgical Mission	Reconstructive International Cooperative Exchange, Hanoi, Vietnam
2016	Surgical Mission	Reconstructive International Cooperative Exchange, Hanoi, Vietnam