

JONATHAN AMER ZELKEN, MD
CURRICULUM VITAE



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Personal

Born September 2nd, 1980
Lawrence & Memorial Hospital, New London, CT, USA.
Marital Status Married to Kathy (Zhang) Zelken, MD
Dependents Katalina Mei
Languages English (native), Spanish (conversational), Mandarin Chinese (basic)

Work History

8/15-8/16 Finesse Plastic Surgery Laguna Hills, CA
Aesthetic and Reconstructive Surgeon
9/16 onward Zelken Institute for Aesthetic Medicine Newport Beach, CA
CEO and owner
9/16 onward Hoag Hospital Irvine and Newport Beach, CA
Physician Advisor, Director, Reconstructive Microsurgery

Education

6/03-5/08 Tufts University School of Medicine Boston, MA
Doctor of Medicine
Research concentration in orthopaedic surgery
6/02-5/03 Hospital for Special Surgery New York, NY
Research Associate
8/98-5/02 Cornell University College of Arts & Sciences Ithaca, NY
Bachelor of Arts in Biological Sciences
8/94-5/97 East Lyme High School East Lyme, CT

Postdoctoral Training

7/14-6/15 Chang Gung Memorial Hospital Taiwan
Microsurgery Fellowship
7/13-6/14 Johns Hopkins Hospital & University of Maryland Baltimore, MD
Chief Resident, Plastic Surgery
7/08-6/13 Johns Hopkins Hospital & University of Maryland Baltimore, MD
Integrated Plastic Surgery Residency

Licensure

New York. 273419. Current.
California. A137501. Current.
American Board of Plastic Surgery, Board Certified, December 2016.

Society Membership

American Society of Plastic Surgeons
AO North America
AO CMF
The Johns Hopkins Medical and Surgical Association
Chang Gung Microsurgery Fellow Network

Grants & Fellowships

Comstock Medical Scholar 2006-2008, surgical scientist from Southeastern CT
Harold Williams Fellowship, Tufts School of Medicine, 2003
Bringing Hope Through Healing Travel Award, 2012 and 2013
AO Craniomaxillofacial Fellow, 2014-2015, Chang Gung Memorial Hospital, Taiwan

Publications – Peer-Reviewed

1. Yen C-I, Chen R-F, **Zelken J**, Chang C-S, Yang S-Y, Chen H-C, Chang S-Y, Yang J-Y, Chuang S-S, Hsiao Y-C. The Influence of Paranasal Augmentation on the Measurement of the Nose for the Treatment of Midfacial Concavity. *Aesthet Surg J*. 2018 Feb 15.
2. Hsiao Y-C, Chang C-S, **Zelken J**. Aesthetic Refinements in Forehead Flap Reconstruction of the Asian Nose. *Plast Surg (Oakv)*. 2017 May.
3. Abdelrahman M, **Zelken J**, Huang R-W, Hsu C-C, Linc C-H, Lin Y-T, Linc C-H. Suprafascial dissection of the pedicled groin flap: A safe and practical approach to flap harvest. *Microsurgery*. 2017 Sep 9.
4. **Zelken J**, Chang C-S, Hsiao Y-C. The Pi Graft for Correction of Severe Saddle Nose Deformity. *Facial Plast. Surg*. 2016 Aug.
5. Lu J-C, **Zelken J**, Hsu C-C, Chang N-J, Lin C-H, Wei F-C, Lin C-H. Reply: Algorithmic Approach to Anterolateral Thigh Flaps Lacking Suitable Perforators in Lower Extremity Reconstruction. *Plast Reconstr Surg*. 2016 Jan.
6. **Zelken J**, Ryu M-H, Hsiao Y-C. How to Create a Smartphone-Based Visual Analog Scoring Instrument. *Ann Plast Surg*. Under review.
7. **Zelken J**, Chang C-S, Reddy S, Hsiao Y-C. Double forehead flap reconstruction of composite nasal defects. *J Plast Reconstr Aesthet Surg*. 2016 Jun 3.
8. **Zelken J**, Reddy S, Chang C-S, Hsiao Y-C. Nasolabial and Forehead Flap Reconstruction of Contiguous Alar-Upper Lip Defects. *J Plast Reconstr Aesthet Surg*. *J Plast Reconstr Aestheti Surg*. 2016 Nov 11.
9. **Zelken J**, Huang J-J, Wu C-W, Lin Y-L, Cheng M-H. The Transareolar-Periareolar Approach. *PRS GO*. 2016 Sep 7.
10. **Zelken J**, Huang J-J, Wu C-W, Lin Y-L, Tobbia D, Cheng M-H. Refinements in Asian Augmentation Mammoplasty: the Lateral Inframammary Approach. *Ann Plast Surg*. Under review.
11. Ito R, **Zelken J**, Yang C-Y, Lin C-Y, Cheng M-H. Proposed Pathway and Mechanism of Vascularized Lymph Node Flaps. *Gynec Oncol*. 2016 Jan 7.

12. Berli J, **Zelken J**, Schuyler K, Naslund M, Rasko Y. Ectopic Hydrocele After Testicular Transposition. *Urology*. 2016 Jan 19.
13. **Zelken J**, Hong JP, Broyles J, Hsiao Y-C. Preventing the "Elevated Radix Deformity" in Asian Rhinoplasty with a Chimeric Dorsal-Glabellar Construct. *Aesthet Surg J*. 2016 Mar.
14. **Zelken J**, Hong JP, Hsiao Y-C. Silicone-Polytetrafluoroethylene Composite Implants for Asian Rhinoplasty. *Ann Plast Surg*. 2016 Mar 18.
15. Hsiao Y-C, Huang J-J, **Zelken J**, Wu C-W, Chang C-S, Kolios G. The Folded Ulnar Forearm Flap for Nasal Reconstruction. *Plast Reconstr Surg*. 2016 Feb.
16. **Zelken J**, Cheng M-H. Asian Breast Augmentation: A Systematic Review. *PRS GO*. 2015 Dec 9.
17. Lin C-H, Wen C-H, **Zelken J**, Wang F-N, Peng S-L, Anggelia M, Lin Y-H, Lin C-H. Mystacial Pad Allotransplantation as a Reliable Model for Functional Assessment in Vascularized Composite Allotransplantation. *Neuroimage*. Under review.
18. Gordon C, Rezzadeh K, Li A, Vardanian A, **Zelken J**, Shores J, Sacks J, Segovia A, Jarrahy R. Digital mobile technology facilitates HIPAA-sensitive perioperative messaging, improves physician-patient communication, and streamlines patient care. *Patient Safety in Surgery*. 2015, 9:21.
19. **Zelken J**. First-Person Long-Term Follow-Up Using Autologous Mosaicplasty for Osteochondral Lesion Accompanying Femoral Head Fracture. *J Orthop Trauma*. 2016 Feb.
20. **Zelken J**, Yang S-Y, Chang C-J, Yang J-Y, Chuang S-S, Chen H-C, Hsiao Y-C. Donor Site Aesthetic Enhancement With Preoperative Botulinum Toxin in Forehead Flap Nasal Reconstruction. *Ann Plast Surg*. 2015 Sep 28.
21. **Zelken J**, Hsiao Y-C. An Economical Approach to Ethnic Asian Rhinoplasty. *Facial Plast Surg*. 2016 Feb.
22. Hsiao Y-C, Chang C-S, **Zelken J**. Aesthetic Refinements in Forehead Flap Reconstruction of the Asian Nose. *J Formosa Med Assoc*. Under Review.
23. **Zelken J**, Lin C-H. An Algorithm for Forefoot Reconstruction with the Innervated Medial Plantar Flap. *Ann Plast Surg*. 2016 Feb.
24. **Zelken J**, Tufaro AP. Current trends and emerging future of indocyanine green usage in surgery and oncology: an update. *Ann Surg Oncology*. 2015 Dec.
25. **Zelken J**, Chang N-J, Wei F-C, Lin C-H. The combined ALT-groin flap for the mutilated and degloved hand. *Injury*. 2015 May 10.
26. Pang J, **Zelken J**, Dorafshar A, Strouse J, Redett R. Congenital Platelet Disorder and Type I von Willebrand Disease Presenting as Prolonged Bleeding After Cleft Lip and Palate Repair. *Cleft Palate Craniofac J*. 2014 Nov;51(6):740-2.
27. **Zelken J**, Kang C-J, Huang S-F, Liao C-T, Tsao C-K. Refinements in Flap Design and Inset for Pharyngoesophageal Reconstruction with Free Thigh Flaps. *Microsurgery*. 2015 Jun 10.

28. Lin C-H, **Zelken J**, Hsu C-C, Lin C-H, Wei F-C. The Distally-Based, Venous Supercharged Anterolateral Thigh Flap. *Microsurgery*. 2016 Jan.
29. **Zelken J**, Hsu C-C, Chang N-J, Lin C-H, Lin C-H. Algorithmic Approach to Lower Abdominal, Perineal, and Groin Reconstruction Using Pedicled Flaps from the Anterolateral Thigh. *Microsurgery*. 2014 Dec 8.
30. Lu C-Y, **Zelken J**, Hsu C-C, Chang N-J, Lin Y-T, Lin C-H, Lin C-H. Algorithmic Approach to Anterolateral Thigh Flaps Lacking Suitable Perforators in Lower Extremity Reconstruction. *PlastReconst Surg*. 2015 Jan 21.
31. Lin C-H, Anggelia MR, Cheng H-Y, Wang Y-L, Chuang W-Y, **Zelken J**, Lee WPA, Zheng X-X, Brandacher G. Vascularized Bone Marrow Plays a Critical Role in Tolerance Induction after Composite Allotransplantation. *Am J Transplant*. Under review.
32. Lin C-H, Wang Y-L, Anggelia MR, Chuang W-Y, Cheng H-Y, Mao Q, **Zelken J**, Lin C-H, Zheng X-X, Lee WPA, Brandacher G. Combined anti-CD154/CTLA4lg Costimulation Blockade-Based Therapy Induces Donor-Specific Tolerance to Vascularized Osteomyocutaneous Allografts. *Am J Transplant*. 2016 Jul 16.
33. **Zelken J**, Berli J. Coffee and tea after microsurgery - why not? *Ann Plast Surg*. 2015 Feb;74(2):139.
34. **Zelken J**, Hayes A, Parks B, Al-Muhit A, Means K. Two- Versus Three-Screw Fixation of Long Oblique Proximal Phalanx Fractures of the Hand: a Biomechanical Cadaver Study. *J Hand Surg Am*. 2015 Jun.
35. Vaca E, Mundinger GS, **Zelken J**, Erdag G, Manahan M. Surgical excision of Multiple Penile Syringomas with Scrotal Flap Reconstruction. *Eplasty*. 2014 Jun 11;14:e21.
36. Maddox J, Sabino J, Buckingham B, Mundinger GS, **Zelken J**, Bluebond-Langner R, Singh D, Holton D. Utility of indocyanine green fluorescence lymphography in identifying the source of persistent groin lymphorrhea. *PlastReconst Surg Glob Open*. 2014 Oct 7;2(9):e210.
37. Valerio I, Hui-Chou H, **Zelken J**, Basile P, Ipsen D, Higgins J. Ectopic banking of amputated great toe for delayed thumb reconstruction. *J Hand Surg Am*. 2014 Jul;39(7):1323-6.
38. Fisher M, **Zelken J**, Redett R. Heminasal Agenesis: A Reconstructive Challenge. *J Craniofac Surg*. 2014 May; 25(3):e239-41.
39. **Zelken J**, Khalifian S, Mundinger G, Ha J, Manson P, Rodriguez E, Dorafshar A. Defining Predictable Patterns of Craniomaxillofacial Injury in the Elderly: Analysis of 1,047 Patients. *J Oral Maxillofac Surg*. 2014 Feb;72(2):352-61.
40. Rancy S, **Zelken J**, Johnsen P, Lipman J, Wolfe S. Scaphoid Proximal Pole Re-fracture Following Antegrade Headless Compression Screw Fixation. *J Wrist Surg*. 2016 Mar.
41. Swanstrom M, **Zelken J**, Carlson M. Double Injury of the Extensor PollicisLongus in a Professional Football Player: Case Report. *J Sports Med*. Under review.
42. Tam V, **Zelken J**, Sacks J. Total heterotopic ossification of an acellular dermal matrix used for abdominal wall reconstruction. *BMJ Case Rep*. 2013 Oct 11.

43. Kim J, **Zelken J**, Sacks J. Spontaneous Forearm Compartment Syndrome in a Boy with Hemophilia A: A Therapeutic Dilemma. *ePlasty*. 2013;13:e16. Epub 2013 Mar 16.
44. Mulvey C, **Zelken J**, Sacks J. Inaccessibility of the DIEP Flap Following Laparoscopic Hernia Repair. *PlastReconstr Surg*. 2013 Jan; 131(1):128e-30e.
45. Buly R, Henn R, Moya L, **Zelken J**, Kelly B. The Arthroscopic Treatment of Cam Type Femoroacetabular Impingement: Minimum Two-Year Follow-up (SS-31) Arthroscopy. 2009 Jun. 25(6):e17-e18.
46. **Zelken J**, Davison SP. Post-Maxillectomy Prognathism. *PlastReconst Surg*. 2009 Feb;123(2):69e-71e.
47. Ranawat AS, Vidal AF, Chen CT, **Zelken J**, Turner AS, and Williams RJ. The Effect of Storage Time on the Reconstruction of Cartilage Defects Using Fresh Cold-Stored Osteochondral Allograft Tissue in an Ovine Model at One Year. *ClinOrthopRelat Res*. 2008 Aug;466(8):1826-36.
48. Ranawat A, **Zelken J**, Helfet D, Buly R. Total hip arthroplasty following fracture of the acetabulum. *J Arthroplasty*. 2009 Aug;24(5):759-67.
49. Wanich T, **Zelken J**, Rodeo S, Bonassar L, Warren R. Functional tissue engineering of a meniscal substitute. *Osteoarthritis and Cartilage*, 2007, January.
50. **Zelken J**, Wanich T, Gardner M, Griffith M, Bostrom M. PMMA Is Superior to Hydroxyapatite for Colony Reduction in Induced Osteomyelitis. *Clin Orthop Relat Res*. 2007 Sep;462:190-4.
51. Holley K, **Zelken J**, Padgett D, Chimento G, Yun A, Buly R. Periprosthetic Fractures of the Femur After Hip Arthroplasty: An Analysis of Ninety-Nine Patients. *HSS J*. 2007 Sep;3(2):190-7.
52. Harmey D, Johnson KA, **Zelken J**, Camacho NP, Hoylaerts MF, Noda M, Terkeltaub R, Millán JL. Elevated skeletal osteopontin levels contribute to the hypophosphatasia phenotype in Akp2(-/-) mice. *J Bone Miner Res*. 2006, Sep; 21(9):1377-86.
53. Gardner MJ, van der Meulen MC, Carson J, **Zelken J**, Ricciardi BF, Wright TM, Lane JM, Bostrom MP. Role of parathyroid hormone in the mechanosensitivity of fracture healing. *J Orthop Res*. 2007 Nov;25(11):1474-80.

Publications – Other

1. **Zelken J**. International Fellowship Training Offers Unexpected Benefits. *Plastic Surgery News*. 2015, July-August, 27.
2. **Zelken J**, Reinblatt M. Clinical Manifestations of Poland Syndrome. *ePlasty, Interesting Cases*. May 2010.
3. **Zelken J**. Moberg Flap Reconstruction for Distal Thumb Amputation. *ePlasty, Interesting Cases*. January 2009.

Presentations/Posters

1. Ryu M-H, Kahng D, **Zelken J**. Anatomical Variation of Zygomatic Nerve Branches Around Zygomaticus Major Muscle in Facelift. Plastic Surgery: The Meeting. Los Angeles, CA, September 2016.
2. Berli J, **Zelken J**, Calva D, Bluebond-Langner R, Redett R. Aesthetic standards and refinements in first-stage phalloplasty. WPATH Symposium. Amsterdam, July 2016.
3. Ito R, **Zelken J**, Yang C-Y, Lin C-Y, Cheng M-H. Proposed Pathway and Mechanism of Vascularized Lymph Node Flaps. The 5th World Symposium for Lymphedema Surgery. Taipei, Taiwan, March 2016.
4. **Zelken J**, Rancy S, Johnsen P, Lipman J, Wolfe S. Scaphoid Proximal Pole Fracture following Antegrade Headless Compression Screw Fixation of Waist Fracture Non-Union. 70th Annual Meeting for American Society for Surgery of the Hand. Seattle, WA, September 2015.
5. **Zelken J**, Hayes A, Parks B, Al-Muhit A, Means K. Two- Versus Three-Screw Fixation of Long Oblique Proximal Phalanx Fractures of the Hand: a Biomechanical Cadaver Study. American Association for Hand Surgery Annual Meeting. Paradise Island, Bahamas, January 2015.
6. **Zelken J**. Seeing the Invisible, Predicting the Future & Providing Quality Healthcare. Invited Keynote Speaker at 70th Annual Clinical Conference of the Philippine College of Surgeons, Manila, Phillipines. December 1-3 2014.
7. Maddox J, Sabino J, Buckingham B, Mundinger S, **Zelken J**, Bluebond-Langer R, Singh D, Holton L. Utility of Indocyanine Green Fluorescence Lymphography for Source Identification in Groin Lymphorrhea: A Case Series. Society of Military Surgeons Annual Meeting, Salt Lake City, UT. April 2014.
8. **Zelken J**, Johnson P, Lipman J, Wolfe S. Scaphoid Proximal Pole Re-fracture Following Antegrade Headless Compression Screw Fixation. New York Society for Surgery of the Hand Residents and Fellows Research Symposium, New York, NY, December 2013.
9. Li A, Yoon A, Nguyen P, Vardanian A, **Zelken J**, Shores J, Sacks JM, Jarrahy R. Early results using a novel platform to improve instantaneous, HIPAA-sensitive, patient-directed communication during plastic surgical procedures. Presented at: CSPS, May 2013.
10. Henn F, Buly R, Moya L, **Zelken J**, Kelly B. Arthroscopic Treatment for Cam Type Femoroacetabular Impingement. Poster presented at: American Academy of Orthopaedic Surgeons; Las Vegas, NV, February 2009.
11. Wanich T, **Zelken J**, Rodeo S, Bonassar L, Warren RF. Functional tissue engineering of a meniscal substitute. Poster presented at: 7th World Congress of the International Cartilage Repair Society, ICRS 2007; Warsaw, Poland, October 2007.
12. Ranawat A, Vidal A, Chen C, **Zelken J**, Turner A, Williams R. The Effect of Storage Time on the Reconstruction of Cartilage. Poster presented at: The American Orthopaedic Society for Sports Medicine; San Francisco, CA, March 2007.
13. **Zelken J**, Bonassar L, Rodeo S, Gulotta L, Shindle M, Warren R, Wanich T. Functional Tissue Engineering of a Meniscal Replacement. Poster presented at: American Academy of Orthopaedic Surgeons; San Diego, CA, February 2007.

14. Gardner M, Carson J, **Zelken J**, Ricciardi B, Lane J, van der Meulen M, Bostrom M. The Role of Parathyroid Hormone in the Mechanosensitivity of Fracture Healing. Poster presented at: Orthopaedic Research Society; San Diego, CA, February 2007.
15. **Zelken J**, Wanich T, Gardner M, Griffith M, Bostrom M. The use of Vancomycin-Impregnated Hydroxyapatite in the treatment of Osteomyelitis. Poster presented at: Eastern Orthopaedic Association; Boca Raton, FL, October 2006.
16. Wanich T, Gardner M, Carson J, **Zelken J**, Hernandez A, Bostrom M. (2006, October). Differential Gene Expression of Fracture Callus in Response to Mechanical Loading. Poster presented at: Orthopaedic Trauma Association; Phoenix, AZ, October 2006.
17. Baird E, **Zelken J**, Lipman J, Moya L, Buly R. Assessing agreement between clinical and software-assessed hip range of motion. Poster presented at: The 20th Annual Symposium of the International Society for Technology in Arthroplasty; Paris, France, October 2006.
18. Ranawat A, **Zelken J**, Helfet D, Buly R. Cementless Acetabular Arthroplasty Following Treatment of an Acetabular Fracture. Poster presented at: American Academy of Orthopedic Surgeons; Chicago, IL, February 2006.
19. Buly R, **Zelken J**, Nofsinger C, Koh J, Potter H. Arthroscopic Debridement of Acetabular Labral Tears. Poster presented at: American Academy of Orthopaedic Surgeons; New Orleans, LA, February 2003.

Book Chapters

1. **Zelken J**, Cheng M-H. ALT Flaps. In: Operative Plastic Surgery, GRD Evans.
2. **Zelken J**, Lin C-H. Evolution from Toe to Hand Transfer to Hand Transplantation. In: From Auto- to Allotransplantation. In press.
3. **Zelken J**, Lin C-H (Luke). Development of animal models for the study of VCA. In: From Auto- to Allotransplantation. In press.
4. **Zelken J**, Higgins J. Toe transfer thumb reconstruction. Master Techniques in Orthopaedic Surgery: The Hand, edited by Steven Maschke, MD, Peter Evans, MD, and Thomas Graham, MD. 2014.
5. **Zelken J**, Redett R. Obstetric Brachial Plexus Injury. The 5 Minute Pediatric Consult. 7th ed. Wolters Kluwer Publishing, 2013.
6. **Zelken J**, Chaudhry A, Rodriguez ED. Chapter 14: Abdominal Wall Reconstruction after Necrotizing Soft Tissue Infections with Tissue Loss. Abdominal Wall Defects: Prevalence, Surgical Management, Strategies and Clinical Care Outcomes. Nova Publishers, Ed Jose Diaz, 2013.
7. **Zelken J**, Rodriguez ED. Chapter 10: Surgical Exposure. Essentials of Craniomaxillofacial Trauma. Quality Medical Publishing, pp.133-156, 2012.
8. Bostrom M, **Zelken J**. Fractures. In M.D. Mezey (Ed.), Encyclopedia of Elder Care, pp. 212-224. New York, AA: Springer, 2007.
9. **Zelken J**, Bostrom M. Total Joint Replacement. In M.D. Mezey (Ed.), Encyclopedia of Elder Care, pp. 200-212. New York, AA: Springer, 2007.

Privileges

Hoag Hospital
Pacific Surgical Center
ROX Surgery Center

Saddleback Memorial Hospital
Newport Beach Surgical Center
Hoag Orthopedic Institute

Journal Affiliations

Eplasty, reviewer
Aesthetic Surgery Journal, reviewer
Journal of Clinical Orthopedics and Trauma, reviewer

Interests

Rowing, travel, hand surgery, microsurgery

Groups

Cornell Rowing Alumni Mentoring Program (CRAMP)
Cornell Club of Taiwan
Baltimore City Yacht Association
R.I.C.E. (Reconstructive International Collaborative Experience)