Paige Fox
Assistant Professor of Surgery (Plastic and Reconstructive Surgery) at the Stanford University Medical Center
Surgery - Plastic & Reconstructive Surgery

CLINICAL OFFICES
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Bio

BIO
Dr. Paige Fox is Board Certified Plastic Surgeon who specialized in hand surgery, reconstructive microsurgery, as well as peripheral nerve and brachial plexus surgery. She is an Assistant Professor in the Division of Plastic and Reconstructive surgery in the Department of Surgery. She works with adult and pediatric patients. Her research focuses on wound healing, disorders of the upper extremity, and surgical biosensors. Dr. Fox has a passion for sustainability and health care's effect on the environment. She is involved in efforts to green the OR and the clinics at Stanford.

CLINICAL FOCUS
• Adult and Pediatric Hand Surgery
• Plastic and Reconstructive Surgery
• Peripheral Nerve Surgery
• Facial Reanimation
• Microsurgery

ACADEMIC APPOINTMENTS
• Assistant Professor - Med Center Line, Surgery - Plastic & Reconstructive Surgery
• Member, Bio-X

HONORS AND AWARDS
• Ryan-Upson Scholar in Plastic and Reconstructive Surgery, Stanford School of Medicine (2018-2021)

PROFESSIONAL EDUCATION
• Fellowship: Mayo Clinic Upper Extremity Reconstructive Surgery Fellowship (2015) MN
• Residency: Stanford University Dept of Plastic Surgery (2014) CA
• Board Certification: Surgery of the Hand, American Board of Plastic Surgery (2017)
• Medical Education: Virginia Commonwealth University (2008) VA
Teaching

STANFORD ADVISEES

Med Scholar Project Advisor
Jung Gi Min, Uriel Sanchez Rangel, Heather desJardins-Park

Doctoral Dissertation Reader (NonAC)
Cheli Ruth

Publications

PUBLICATIONS

- **Proceed with Caution: Mouse Deep Digital Flexor Tendon Injury Model.** *Plastic and reconstructive surgery. Global open*
  2021; 9 (1): e3359

- **Hand Surgery Transfers to Level 1 Center: Variables Affecting Transfer Method and Diagnostic Accuracy.** *Plastic and reconstructive surgery. Global open*
  Putnam, J., Pedreira, R., Fox, P.
  2020; 8 (12): e3279

- **Separating Fact From Fiction: A Nationwide Longitudinal Examination of Complex Regional Pain Syndrome Following Treatment of Dupuytren Contracture.** *Hand (New York, N.Y.)*
  Rochlin, D. H., Schechter, C. C., Satteson, E. S., Swan, C. C., Fox, P. M., Curtin, C.
  2020: 1558944720963915

- **Analysis of Cell-seeded, Collagen-rich Hydrogel for Wound Healing**
  Sotelo Leon, D., Williams, T., Wang, Z., Leyden, J., Franklin, A., Kaizawa, Y., Chang, J., Fox, P. M.
  LIPPINCOTT WILLIAMS & WILKINS. 2020: e3049

- **Topical Antibiotic Elution in a Collagen-Rich Hydrogel is Successful for Inhibiting Bacterial Growth and Biofilm Formation in Vitro.** *Antimicrobial agents and chemotherapy*
  Min, J. G., Sanchez Rangel, U. J., Franklin, A., Oda, H., Wang, Z., Chang, J., Fox, P. M.
  2020

- **Measuring and Improving the Quality of Care During Global Outreach Trips: A Primer for Safe and Sustainable Surgery.** *The Journal of hand surgery*
  2020

- **Homing of Adipose-Derived Stem Cells to a Tendon-Derived Hydrogel: A Potential Mechanism for Improved Tendon-Bone Interface and Tendon Healing.** *The Journal of hand surgery*
  Franklin, A., Gi Min, J., Oda, H., Kaizawa, Y., Leyden, J., Wang, Z., Chang, J., Fox, P. M.
  2020

- **A Human-Derived, Collagen-Rich Hydrogel Augments Wound Healing in a Diabetic Animal Model.** *Annals of plastic surgery*
  Williams, T., Sotelo Leon, D., Kaizawa, Y., Wang, Z., Leyden, J., Chang, J., Fox, P. M.
  2020

- **Prevalence of Ganglion Cyst Formation After Wrist Arthroscopy: A Retrospective Longitudinal Analysis of 2420 Patients.** *Hand (New York, N.Y.)*
  Rochlin, D. H., Perrault, D., Schechter, C. C., Fox, P., Yao, J.
  2020: 1558944720939203

- **Patient Willingness to Pay for Faster Return to Work or Smaller Incisions.** *Hand (New York, N.Y.)*
  Alokozai, A., Lindsay, S. E., Eppler, S. L., Fox, P. M., Ladd, A. L., Kamal, R. N.
  2019: 1558944719890039

- **A Novel Technology for Free Flap Monitoring: Pilot Study of a Wireless, Biodegradable Sensor.** *Journal of reconstructive microsurgery*
Oda, H., Beker, L., Kaizawa, Y., Franklin, A., Min, J. G., Leyden, J., Wang, Z., Chang, J., Bao, Z., Fox, P. M.
2019

Electromyographic Analysis of Grip  ORTHOPEDICS
Fox, P. M., Oliver, J. D., Viet Nguyen, Hentz, V. R., Curtin, C. M.
2019; 42 (6): E555–E558

Human TendoneDerived Collagen Hydrogel Significantly Improves Biomechanical Properties of the Tendon-Bone Interface in a Chronic Rotator Cuff Injury Model  JOURNAL OF HAND SURGERY-AMERICAN VOLUME
Kaizawa, Y., Leyden, J., Behn, A. W., Tulu, U., Franklin, A., Wang, Z., Abrams, G., Chang, J., Fox, P. M.
2019; 44 (10)

Augmentation of chronic rotator cuff healing using adipose-derived stem cell-seeded human tendon-derived hydrogel  JOURNAL OF ORTHOPAEDIC RESEARCH

Quality of Randomized Controlled Trials for Surgical Treatment of Carpal Tunnel Syndrome: A Systematic Review.  Plastic and reconstructive surgery
Long, C., Azad, A. D., desJardins-Park, H. E., Fox, P. M.
2019; 143 (3): 791–99

Biodegradable and flexible arterial-pulse sensor for the wireless monitoring of blood flow.  Nature biomedical engineering
2019; 3 (1): 47–57

2019

Biodegradable and flexible arterial-pulse sensor for the wireless monitoring of blood flow  NATURE BIOMEDICAL ENGINEERING
2019; 3 (1): 47–57

Treating the Proximal Interphalangeal Joint in Swan Neck and Boutonniere Deformities.  Hand clinics
Fox, P. M., Chang, J.
2018; 34 (2): 167–76

Quality of surgical randomized controlled trials in hand surgery: a systematic review.  The Journal of hand surgery, European volume
Long, C., desJardins-Park, H. E., Popat, R., Fox, P. M.
2018: 1753193418780184

Intratendinous Injection of Hydrogel for Reseeding Decellularized Human Flexor Tendons.  Plastic and reconstructive surgery
2017; 139 (6): 1305e-1314e

De Novo Upper Extremity Lymphedema After Elective Hand Surgery in Breast Cancer Survivors.  Annals of plastic surgery
Baltzer, H. L., Harvey, J., Fox, P. M., Moran, S. L.
2017

Tendon Tissue Engineering: Mechanism and Effects of Human Tenocyte Coculture With Adipose-Derived Stem Cells.  The Journal of hand surgery
Long, C., Wang, Z., Legrand, A., Chattopadhyay, A., Chang, J., Fox, P. M.
2017

Molecular Biology of Flexor Tendon Healing in Relation to Reduction of Tendon Adhesions.  The Journal of hand surgery
Legrand, A., Kaufman, Y., Long, C., Fox, P. M.
2017

Access to surgical upper extremity care for people with tetraplegia: an international perspective  SPINAL CORD
Fox, P. M., Suarez, P., Hentz, V. R., Curtin, C. M.
2015; 53 (4): 302-305
• **Grafting the alar rim: application as anatomical graft.** *Plastic and reconstructive surgery*
  Gruber, R. P., Fox, P., Peled, A., Belek, K. A.
  2014; 134 (6): 880e-7e

• **Management of Frontal Sinus Fractures: Treatment Modality Changes at a Level I Trauma Center** *JOURNAL OF CRANIOFACIAL SURGERY*
  Fox, P. M., Garza, R., Dusch, M., Hwang, P. H., Girod, S.
  2014; 25 (6): 2038-2042

• **Management of frontal sinus fractures: treatment modality changes at a level I trauma center.** *Journal of craniofacial surgery*
  Fox, P. M., Garza, R., Dusch, M., Hwang, P. H., Girod, S.
  2014; 25 (6): 2038-2042

• **Fascia-only anterolateral thigh flap for extremity reconstruction.** *Annals of plastic surgery*
  Fox, P., Endress, R., Sen, S., Chang, J.
  2014; 72: S9-S13

• **Human flexor tendon tissue engineering: in vivo effects of stem cell reseeding.** *Plastic and reconstructive surgery*
  2013; 132 (4): 567e-76e

• **Management of the hand in systemic sclerosis.** *Journal of hand surgery*
  Fox, P., Chung, L., Chang, J.
  2013; 38 (5): 1012-1016

• **White light spectroscopy for free flap monitoring** *MICROSURGERY*
  Fox, P. M., Zeidler, K., Carey, J., Lee, G. K.
  2013; 33 (3): 198-202

• **Computed tomography angiography in microsurgery: indications, clinical utility, and pitfalls.** *Eplasty*
  Lee, G. K., Fox, P. M., Ribon, J., Hsu, C., Saber, S., Rubin, G. D., Chang, J.
  2013; 13

• **Decellularized human tendon-bone grafts for composite flexor tendon reconstruction: a cadaveric model of initial mechanical properties.** *The Journal of hand surgery*
  Fox, P. M., Farnebo, S., Lindsey, D., Chang, J., Schmitt, T., Chang, J.
  2013; 38 (12): 2323–28

• **Tissue expander with acellular dermal matrix for breast reconstruction infected by an unusual pathogen: Candida parapsilosis** *JOURNAL OF PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY*
  Fox, P. M., Lee, G. K.
  2012; 65 (10): E286-E289

• **Supercharged Free Fibula for Complex Ankle Arthrodesis A Case Report** *ANNALS OF PLASTIC SURGERY*
  Fox, P. M., Chou, L., Lee, G. K.
  2012; 68 (4): 342-345

• **Spontaneous deletion of the methicillin resistance determinant, mecA, partially compensates for the fitness cost associated with high-level vancomycin resistance in Staphylococcus aureus** *ANTIMICROBIAL AGENTS AND CHEMOTHERAPY*
  Noto, M. J., Fox, P. M., Archer, G. L.
  2008; 52 (4): 1221-1229

• **Lack of relationship between purine biosynthesis and vancomycin resistance in Staphylococcus aureus: a cautionary tale for microarray interpretation** *ANTIMICROBIAL AGENTS AND CHEMOTHERAPY*
  Fox, P. M., Climo, M. W., Archer, G. L.
  2007; 51 (4): 1274-1280

• **Vancomycin-intermediate Staphylococcus aureus strains have impaired acetate catabolism: Implications for polysaccharide intercellular adhesin synthesis and autolysis** *ANTIMICROBIAL AGENTS AND CHEMOTHERAPY*
  2007; 51 (2): 616-622
- Successful therapy of experimental endocarditis caused by vancomycin-resistant Staphylococcus aureus with a combination of vancomycin and beta-lactam antibiotics. *Antimicrobial Agents and Chemotherapy*
  Fox, P. M., Lampert, R. J., Stumpf, K. S., Archer, G. L., Climo, M. W.
  2006; 50 (9): 2951-2956

- The up-regulation of ferritin expression using a small-molecule ligand to the native mRNA. *Proceedings of the National Academy of Sciences of the United States of America*
  Tibodeau, J. D., Fox, P. M., Ropp, P. A., Theil, E. C., Thorp, H. H.
  2006; 103 (2): 253-257