




James Chang, MD

Johnson and Johnson Professor of Surgery and Professor, by courtesy, of Orthopaedic Surgery at the Palo Alto Veterans Affairs Health Care System

Surgery - Plastic & Reconstructive Surgery

 NIH Biosketch available Online

 Curriculum Vitae available Online

CLINICAL OFFICES

- **Hand and Upper Extremity North Campus**

450 Broadway St

Pavilion A 2nd Fl MC 6120

Redwood City, CA 94063

Tel (650) 723-5256 **Fax** (650) 721-3422

- **Pediatric Hand and Upper Extremity Clinic**

730 Welch Rd

MC 5890 1st Fl

Palo Alto, CA 94304

Tel (650) 723-4818 **Fax** (650) 497-8891

ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

Angela Sotelo - Administrative Assistant

Email asotelo@stanford.edu

Tel 650-725-7181

Bio

BIO

Dr. James Chang is currently the Johnson & Johnson Distinguished Professor and Chief of the Division of Plastic and Reconstructive Surgery at Stanford University.

Dr. Chang graduated from Stanford University with a Bachelor of Arts and Sciences with joint degrees in Biology and Economics. He spent a year as a lecturer in English at the Beijing University of Science and Technology in Beijing, People's Republic of China. Following this, he graduated from Yale Medical School with Alpha Omega Alpha and Cum Laude honors. From 1991 to 1993, he was a Sarnoff Laboratory Research Fellow at the University of California, San Francisco Medical Center. He then completed a residency in Plastic and Reconstructive Surgery at Stanford University Medical Center. Dr. Chang was a Clinical Instructor in Orthopedic Surgery and the Hand & Microsurgery Fellow at U.C.L.A. Medical Center from 1999-2000. He is currently Professor of Plastic Surgery and Orthopedic Surgery at Stanford University Medical Center. He is also an Attending Surgeon at Lucile Salter Packard Children's Hospital and the VA Palo Alto Health Care System, where he serves as Director of the Plastic and Hand Surgery Laboratory.

His basic science research interests include modulation of Transforming Growth Factor-Beta in scarless flexor tendon wound healing and tissue engineered flexor tendon grafts for hand reconstruction. He has expertise in molecular biology and tissue engineering techniques and their applications to plastic and hand surgery research. Dr. Chang is the recipient of numerous grants including two recent multi-year Federal Merit Review Awards on "Tissue Engineered Flexor Tendon Grafts for Extremity Reconstruction" and "Optimization of Bioengineered Tendons Using Bioreactors and Stem Cells". He has been federally-funded for his research since 1998.

Dr. Chang is the past Editor-in-Chief of the Yearbook of Hand Surgery and an Associate Editor for the journals, Journal of Hand Surgery, Annals of Plastic Surgery, Hand, and Microsurgery. He was the Royal College of Surgeons Foundation traveling fellow and was awarded the 2006 Sterling Bunnell Traveling Fellowship by the

American Society for Surgery of the Hand. He was Research Director for the American Society for Surgery of the Hand (ASSH) and managed the grant portfolio and programs of this national organization. He was Treasurer for the ASSH from 2011-2014. Dr. Chang served as President of the ASSH from 2017-18. Dr. Chang was Vice-Chair of the Plastic Surgery Residency Review Committee of the ACGME and the Secretary/Treasurer of the American Board of Plastic Surgery. He was elected to the American Surgical Association in 2010.

Dr. Chang's main surgical interests are in reconstructive surgery of the hand and extremities including microsurgical reconstruction. He also has interest in pediatric hand and microsurgery, post-oncologic head and neck reconstruction, and lower extremity reconstruction.

CLINICAL FOCUS

- Hand and Upper Extremity Surgery
- Plastic and Reconstructive Surgery
- Pediatric Hand Problems
- Peripheral Nerve Injuries
- Facial Nerve Injuries
- Plastic Surgery
- Hand Tumors
- Hand Arthritis
- Carpal Tunnel Syndrome
- Hand Scleroderma
- Microsurgery
- Complex Reconstruction
- Free Flap Reconstruction
- Lower Extremity Reconstruction
- Dupuytren's Disease
- Tendon Transfer
- Thumb Reconstruction
- Facial Paralysis
- Hand Fractures
- Microvascular Hand Surgery
- Hand Deformities

ACADEMIC APPOINTMENTS

- Professor - Med Center Line, Surgery - Plastic & Reconstructive Surgery
- Professor - Med Center Line (By courtesy), Orthopaedic Surgery
- Member, Bio-X

ADMINISTRATIVE APPOINTMENTS

- Associate Editor, Hand, (2006- present)
- Associate Editor, Microsurgery, (2002-2010)
- Associate Editor, Annals of Plastic Surgery, (2007- present)
- Associate Editor, Journal of Hand Surgery, (2003-2013)
- Editor, Yearbook of Hand Surgery, (2005-2009)
- Board of Directors, American Association for Hand Surgery, (2007-2009)
- Research Director, American Society for Surgery of the Hand, (2007-2010)
- Program Director, Plastic Surgery, Stanford University Medical Center, (1999-2008)
- Plastic Surgery Residency Review Committee Member, Accreditation Council on Graduate Medical Education, (2010-2017)
- Board Member, American Board of Plastic Surgery, (2010-2017)
- Treasurer, American Society for Surgery of the Hand, (2011-2014)
- Undergraduate Advisor, Stanford University, (2004- present)
- Senior Fellow, Center for Innovation in Global Health, Stanford University, (2015- present)
- Chief, Division of Plastic & Reconstructive Surgery, (2006- present)
- Johnson & Johnson Distinguished Professor of Surgery, Stanford University, (2015- present)

- President, American Society for Surgery of the Hand, (2017-2018)

HONORS AND AWARDS

- Scholarship Essay Award # First Place, Plastic Surgery Educational Foundation (1999)
- Leslie M. Hovey Teacher of the Year Award, Stanford Plastic Surgery (2003)
- Royal College of Surgeons Foundation Traveling Lectureship, Royal College of Surgeons (2003)
- Sterling Bunnell Traveling Fellow, American Society for Surgery of the Hand (2006-07)
- Stanford University Asian-American Faculty Award, Stanford University (2011)
- Andrew J. Weiland Medal for Research Achievement, American Society for Surgery of the Hand (2011)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Vice-Chair, ACGME Residency Review Committee in Plastic Surgery (2010 - 2016)
- President, American Society for Surgery of the Hand (2017 - 2018)
- Secretary/Treasurer, American Board of Plastic Surgery (2010 - 2016)

PROFESSIONAL EDUCATION

- Residency: Stanford University Dept of Plastic Surgery (1998) CA
- Fellowship: UCLA Medical Center Fellowship Programs (2000) CA
- Internship: Stanford University General Surgery Residency (1994) CA
- Medical Education: Yale School Of Medicine Office of Student Affairs (1993) CT
- Board Certification: Plastic Surgery, American Board of Plastic Surgery (1999)
- Board Certification: Surgery of the Hand, American Board of Plastic Surgery (2002)
- MD, Yale Medical School , Medicine (1993)
- BAS, Stanford University , Biology & Economics (1987)

COMMUNITY AND INTERNATIONAL WORK

- Resurge International
- Stanford-Cambodia Hand Surgery

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My role in research is to apply novel advances in tissue engineering and microsurgery to the clinical problems of hand trauma, peripheral nerve injuries, and congenital hand problems. I am interested in developing new tissues and techniques that will allow optimal reconstruction of form and function to those patients requiring reconstructive surgery.

Teaching

COURSES

2019-20

- Surgical Anatomy of the Hand: From Rodin to Reconstruction: SURG 70Q (Win)

2018-19

- Plastic Surgery: SURG 209 (Aut)
- Surgical Anatomy of the Hand: From Rodin to Reconstruction: SURG 70Q (Win)

2017-18

- Plastic Surgery: SURG 209 (Aut, Sum)
- Surgical Anatomy of the Hand: From Rodin to Reconstruction: SURG 70Q (Win)

2016-17

- Plastic Surgery: SURG 209 (Aut, Sum)
- Surgical Anatomy of the Hand: From Rodin to Reconstruction: SURG 70Q (Win)

STANFORD ADVISEES

Med Scholar Project Advisor

Benson George

Publications

PUBLICATIONS

- **Reconstruction of hand soft-tissue defects: alternatives to the radial forearm fasciocutaneous flap.** *The Journal of hand surgery*
Page, R., Chang, J.
; 31 (5): 847–56
- **Microvascular hand surgery for digital ischemia in scleroderma** *JOURNAL OF SCLERODERMA AND RELATED DISORDERS*
Satteson, E. S., Chung, M. P., Chung, L. S., Chang, J.
2019
- **Successful treatment of spindle cell hemangiomas in a patient with Maffucci syndrome and review of literatures** *DERMATOLOGIC THERAPY*
Lekwuttikarn, R., Chang, J., Teng, J. C.
2019; 32 (3)
- **Successful Treatment of Spindle Cell Hemangiomas in a Patient with Maffucci Syndrome and Review of literatures.** *Dermatologic therapy*
Lekwuttikarn, R., Chang, J., Teng, J. M.
2019; e12919
- **Augmentation of chronic rotator cuff healing using adipose-derived stem cell-seeded human tendon-derived hydrogel** *JOURNAL OF ORTHOPAEDIC RESEARCH*
Kaizawa, Y., Franklin, A., Leyden, J., Behn, A. W., Tulu, U. S., Leon, D., Wang, Z., Abrams, G. D., Chang, J., Fox, P. M.
2019; 37 (4): 877–86
- **Upper Extremity Angiographic Patterns in Systemic Sclerosis: Implications for Surgical Treatment.** *The Journal of hand surgery*
Leyden, J., Burn, M. B., Wong, V., Leon, D. S., Kaizawa, Y., Chung, L., Chang, J.
2019
- **Augmentation of chronic rotator cuff healing using adipose-derived stem cell-seeded human tendon-derived hydrogel.** *Journal of orthopaedic research : official publication of the Orthopaedic Research Society*
Kaizawa, Y., Franklin, A., Leyden, J., Behn, A. W., Tulu, U. S., Leon, D., Wang, Z., Abrams, G. D., Chang, J., Fox, P. M.
2019
- **Wide Awake Secondary Tendon Reconstruction.** *Hand clinics*
Gao, L. L., Chang, J.
2019; 35 (1): 35–41
- **Human Tendon-Derived Collagen Hydrogel Significantly Improves Biomechanical Properties of the Tendon-Bone Interface in a Chronic Rotator Cuff Injury Model.** *The Journal of hand surgery*
Kaizawa, Y., Leyden, J., Behn, A. W., Tulu, U. S., Franklin, A., Wang, Z., Abrams, G., Chang, J., Fox, P. M.
2019
- **Cognitive Independence in Plastic Surgery Training: The Value of Professional Development.** *Plastic and reconstructive surgery*
Sheckter, C. C., Maan, Z. N., Chang, J.

2019; 144 (1): 153e–154e

- **Cognitive Independence In Plastic Surgery Training: the Value of Professional Development.** *Plastic and reconstructive surgery*
Sheckter, C. C., Maan, Z. N., Chang, J.
2019
- **Biodegradable and flexible arterial-pulse sensor for the wireless monitoring of blood flow** *NATURE BIOMEDICAL ENGINEERING*
Boutry, C. M., Beker, L., Kaizawa, Y., Vassos, C., Tran, H., Hinckley, A. C., Pfattner, R., Niu, S., Li, J., Claverie, J., Wang, Z., Chang, J., Fox, et al
2019; 3 (1): 47–57
- **Biodegradable and flexible arterial-pulse sensor for the wireless monitoring of blood flow.** *Nature biomedical engineering*
Boutry, C. M., Beker, L., Kaizawa, Y., Vassos, C., Tran, H., Hinckley, A. C., Pfattner, R., Niu, S., Li, J., Claverie, J., Wang, Z., Chang, J., Fox, et al
2019; 3 (1): 47–57
- **Cost-Effectiveness Analysis of Humanitarian Hand Surgery Trips According to WHO-CHOICE Thresholds.** *The Journal of hand surgery*
Qiu, X., Nasser, J. S., Sue, G. R., Chang, J., Chung, K. C.
2018
- **2018 ASSH Presidential Address: Joy of Hand Surgery.** *The Journal of hand surgery*
Chang, J.
2018; 43 (12): 1061–72
- **Ten Tips o Simplify the Spaghetti Wrist** *PLASTIC AND RECONSTRUCTIVE SURGERY-GLOBAL OPEN*
Meals, C. G., Chang, J.
2018; 6 (12): e1971
- **Treating the Proximal Interphalangeal Joint in Swan Neck and Boutonniere Deformities.** *Hand clinics*
Fox, P. M., Chang, J.
2018; 34 (2): 167–76
- **Creation of Nepal's First Skin Bank: Challenges and Outcomes** *PLASTIC AND RECONSTRUCTIVE SURGERY-GLOBAL OPEN*
Cai, L., Long, C., Karki, B., Nakarmi, K., Iqbal, A., Casertano, M., Anderson, S., Patell, J., Chang, J., Rai, S.
2017; 5 (11)
- **The Tissue Engineered Tendon Bone Interface: In Vitro and In Vivo Synergistic Effects of Adipo-Derived Stem Cells, Platelet Rich Plasma and Extracellular Matrix Hydrogel.** *Plastic and reconstructive surgery*
McGoldrick, R., Chattopadhyay, A., Crowe, C., Chiou, G., Hui, K., Farnebo, S., Davis, C., Le Grand, A., Jacobs, M., Pham, H., Chang, J.
2017
- **Intratendinous Injection of Hydrogel for Reseeding Decellularized Human Flexor Tendons.** *Plastic and reconstructive surgery*
Long, C., Galvez, M. G., Legrand, A., Joubert, L., Wang, Z., Chattopadhyay, A., Chang, J., Fox, P. M.
2017; 139 (6): 1305e-1314e
- **Epitendinous-First Repair of Zone II Flexor Digitorum Profundus Results in Decreased Gliding Resistance.** *journal of hand surgery*
Galvez, M. G., Comer, G. C., Chattopadhyay, A., Long, C., Behn, A. W., Chang, J.
2017
- **Reverse Radial Forearm Flap.** *Plastic and reconstructive surgery. Global open*
Maan, Z. N., Legrand, A., Long, C., Chang, J. C.
2017; 5 (4)
- **Development of International Outcomes Instrument for Hand and Upper Extremity Burn Scar Contracture Release** *JOURNAL OF BURN CARE & RESEARCH*
Cai, L., Lippi, J., Dumanian, J., Klein, M., Dangol, M. K., Puri, V., Karanas, Y., Rai, S. M., Chang, J.
2017; 38 (1): E395-E401
- **Optimized Repopulation of Tendon Hydrogel: Synergistic Effects of Growth Factor Combinations and Adipose-Derived Stem Cells.** *Hand (New York, N.Y.)*
Farnebo, S., Farnebo, L., Kim, M., Woon, C., Pham, H., Chang, J.
2017; 12 (1): 68–77
- **Creation of Nepal's First Skin Bank: Challenges and Outcomes.** *Plastic and reconstructive surgery. Global open*

- Cai, L., Long, C., Karki, B., Nakarmi, K., Iqbal, A., Casertano, M., Anderson, S., Patell, J., Chang, J., Rai, S. M.
2017; 5 (11): e1510
- **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
 - **Surgical Site Infections after Tissue Flaps Performed in Low and Middle Human Development Index Countries: A Systematic Review.** *Surgical infections*
Cai, L. Z., Chang, J., Weiser, T. G., Forrester, J. D.
2017
 - **Accuracy of remote burn scar evaluation via live video-conferencing technology.** *Burns*
Cai, L. Z., Caceres, M., Dangol, M. K., Nakarmi, K., Rai, S. M., Chang, J., Gibran, N. S., Pham, T. N.
2016
 - **The Stanford-ReSurge Burn Scar Contracture Scale for Neck: Development and Initial Validation for Burn Scar Contracture.** *Plastic and reconstructive surgery*
Cai, L., Puri, V., Dangol, M. K., Mannan, I. I., Khundkar, S. H., Le Thua, T., Muguti, G., Rai, S. M., Karanas, Y., Chang, J.
2016; 138 (5): 896e-902e
 - **Flexor Tendon Sheath Engineering Using Decellularized Porcine Pericardium.** *Plastic and reconstructive surgery*
Megerle, K., Woon, C., Kraus, A., Raghavan, S., Pham, H., Chang, J.
2016; 138 (4): 630e-41e
 - **Tendon Regeneration with Tendon Hydrogel-Based Cell Delivery: A Comparison of Fibroblasts and Adipose-Derived Stem Cells.** *Plastic and reconstructive surgery*
Chattopadhyay, A., Galvez, M. G., Bachmann, M., Legrand, A., McGoldrick, R., Lovell, A., Jacobs, M., Crowe, C., Umansky, E., Chang, J.
2016; 138 (3): 617-626
 - **In Vitro Characteristics of Porcine Tendon Hydrogel for Tendon Regeneration** *ANNALS OF PLASTIC SURGERY*
Crowe, C. S., Chiou, G., McGoldrick, R., Hui, K., Pham, H., Hollenbeck, E., Chang, J.
2016; 77 (1): 47-53
 - **Characteristics of Reconstituted Lyophilized Tendon Hydrogel: An Injectable Scaffold for Tendon Regeneration.** *Plastic and reconstructive surgery*
Crowe, C. S., Chattopadhyay, A., McGoldrick, R., Chiou, G., Pham, H., Chang, J.
2016; 137 (3): 843-851
 - **Discussion: Unique Assessment of Hand Surgery Knowledge by Specialty.** *Plastic and reconstructive surgery*
Long, C., Chang, J.
2016; 137 (3): 925-26
 - **Digital Sympathectomy in Patients With Scleroderma: An Overview of the Practice and Referral Patterns and Perceptions of Rheumatologists.** *Annals of plastic surgery*
Chiou, G., Crowe, C., Suarez, P., Chung, L., Curtin, C., Chang, J.
2015; 75 (6): 637-643
 - **Reconstruction of First Web Space Contractures.** *journal of hand surgery*
Moody, L., Galvez, M. G., Chang, J.
2015; 40 (9): 1892-1895
 - **Reconstruction of First Web Space Contractures.** *journal of hand surgery*
Moody, L., Galvez, M. G., Chang, J.
2015; 40 (9): 1892-1895
 - **Surgical treatment of systemic sclerosis-is it justified to offer peripheral sympathectomy earlier in the disease process?** *Microsurgery*
Momeni, A., Sorice, S. C., Valenzuela, A., Fiorentino, D. F., Chung, L., Chang, J.
2015; 35 (6): 441-446
 - **Tendon Regeneration with a Novel Tendon Hydrogel: In Vitro Effects of Platelet-Rich Plasma on Rat Adipose-Derived Stem Cells** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Crowe, C. S., Chiou, G., McGoldrick, R., Hui, K., Pham, H., Chang, J.

2015; 135 (6): 981E-989E

- **Optimization of an Injectable Tendon Hydrogel: The Effects of Platelet-Rich Plasma and Adipose-Derived Stem Cells on Tendon Healing In Vivo** *TISSUE ENGINEERING PART A*
Chiou, G. J., Crowe, C., McGoldrick, R., Hui, K., Pham, H., Chang, J.
2015; 21 (9-10): 1579-1586
- **Comparative Effectiveness of Infraclavicular and Supraclavicular Perineural Catheters for Ultrasound-Guided Through-the-Catheter Bolus Anesthesia.** *Journal of ultrasound in medicine*
Harrison, T. K., Kim, T. E., Howard, S. K., Funck, N., Wagner, M. J., Walters, T. L., Curtin, C., Chang, J., Ganaway, T., Mariano, E. R.
2015; 34 (2): 333-340
- **Principles of Tendon Reconstruction Following Complex Trauma of the Upper Limb** *SEMINARS IN PLASTIC SURGERY*
Chattopadhyay, A., McGoldrick, R., Umansky, E., Chang, J.
2015; 29 (1): 30-39
- **Principles of tendon reconstruction following complex trauma of the upper limb.** *Seminars in plastic surgery*
Chattopadhyay, A., McGoldrick, R., Umansky, E., Chang, J.
2015; 29 (1): 30-39
- **Bench to Bedside Integrating Advances in Basic Science into Daily Clinical Practice** *HAND CLINICS*
McGoldrick, R. B., Hui, K., Chang, J.
2014; 30 (3): 305-?
- **Refinements and Secondary Surgery After Flap Reconstruction of the Traumatized Hand** *HAND CLINICS*
Chiou, G. J., Chang, J.
2014; 30 (2): 211-?
- **Fascia-only anterolateral thigh flap for extremity reconstruction.** *Annals of plastic surgery*
Fox, P., Endress, R., Sen, S., Chang, J.
2014; 72: S9-13
- **The Stanford Microsurgery and Resident Training (SMaRT) Scale: Validation of an On-Line Global Rating Scale for Technical Assessment.** *Annals of plastic surgery*
Satterwhite, T., Son, J., Carey, J., Echo, A., Spurling, T., Paro, J., Gurtner, G., Chang, J., Lee, G. K.
2014; 72: S84-8
- **Fascia-only anterolateral thigh flap for extremity reconstruction.** *Annals of plastic surgery*
Fox, P., Endress, R., Sen, S., Chang, J.
2014; 72: S9-S13
- **The Stanford Microsurgery and Resident Training (SMaRT) Scale: validation of an on-line global rating scale for technical assessment.** *Annals of plastic surgery*
Satterwhite, T., Son, J., Carey, J., Echo, A., Spurling, T., Paro, J., Gurtner, G., Chang, J., Lee, G. K.
2014; 72: S84-8
- **Augmentation of Tendon Healing with an Injectable Tendon Hydrogel in a Rat Achilles Tendon Model** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Kim, M. Y., Farnebo, S., Woon, C. Y., Schmitt, T., Pham, H., Chang, J.
2014; 133 (5): 645E-653E
- **Design and Characterization of an Injectable Tendon Hydrogel: A Novel Scaffold for Guided Tissue Regeneration in the Musculoskeletal System** *TISSUE ENGINEERING PART A*
Farnebo, S., Woon, C. Y., Schmitt, T., Joubert, L., Kim, M., Hung Pham, H., Chang, J.
2014; 20 (9-10): 1550-1561
- **Bench to bedside: integrating advances in basic science into daily clinical practice.** *Hand clinics*
McGoldrick, R. B., Hui, K., Chang, J.
2014; 30 (3): 305-17, vi
- **Augmentation of tendon healing with an injectable tendon hydrogel in a rat Achilles tendon model.** *Plastic and reconstructive surgery*
Kim, M. Y., Farnebo, S., Woon, C. Y., Schmitt, T., Pham, H., Chang, J.

2014; 133 (5): 645e-653e

- **Decellularized tendon-bone composite grafts for extremity reconstruction: an experimental study.** *Plastic and reconstructive surgery*
Farnebo, S., Woon, C. Y., Bronstein, J. A., Schmitt, T., Lindsey, D. P., Pham, H., Castillo, A. B., Chang, J.
2014; 133 (1): 79-89
- **Tissue engineering in flexor tendon surgery: current state and future advances.** *journal of hand surgery, European volume*
Galvez, M. G., Crowe, C., Farnebo, S., Chang, J.
2014; 39 (1): 71-78
- **Soft-Tissue Coverage of the Hand: A Case-Based Approach** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Eberlin, K. R., Chang, J., Curtin, C. M., Sammer, D. M., Saint-Cyr, M., Taghinia, A. H.
2014; 133 (1): 91-101
- **Tissue engineering in flexor tendon surgery: current state and future advances** *JOURNAL OF HAND SURGERY-EUROPEAN VOLUME*
Galvez, M. G., Crowe, C., Farnebo, S., Chang, J.
2014; 39 (1): 71-78
- **Reconstruction of the Tendon-Bone Insertion With Decellularized Tendon-Bone Composite Grafts: Comparison With Conventional Repair** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
Farnebo, S., Woon, C. Y., Kim, M., Pham, H., Chang, J.
2014; 39 (1): 65-74
- **Decellularized Tendon-Bone Composite Grafts for Extremity Reconstruction: An Experimental Study** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Farnebo, S., Woon, C. Y., Bronstein, J. A., Schmitt, T., Lindsey, D. P., Pham, H., Castillo, A. B., Chang, J.
2014; 133 (1): 79-89
- **Complications of common hand and wrist surgery procedures: flexor and extensor tendon surgery.** *Instructional course lectures*
Fischer, L. H., Abzug, J. M., Osterman, A. L., Stern, P. J., Chang, J.
2014; 63: 97-103
- **Decellularized Human Tendon-Bone Grafts for Composite Flexor Tendon Reconstruction: A Cadaveric Model of Initial Mechanical Properties** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
Fox, P. M., Farnebo, S., Lindsey, D., Chang, J., Schmitt, T., Chang, J.
2013; 38A (12): 2323-2328
- **Co-Culture of Human Adipose-Derived Stem Cells with Tenocytes Increases Proliferation and Induces Differentiation into a Tenogenic Lineage** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Kraus, A., Woon, C., Raghavan, S., Megerle, K., Hung Pham, H., Chang, J.
2013; 132 (5): 754E-766E
- **Practical Management of Tendon Disorders in the Hand** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Farnebo, S., Chang, J.
2013; 132 (5): 841E-853E
- **Distal Digital Replantation** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Jazayeri, L., Klausner, J. Q., Chang, J.
2013; 132 (5): 1207-1217
- **Human flexor tendon tissue engineering: in vivo effects of stem cell reseeded.** *Plastic and reconstructive surgery*
Schmitt, T., Fox, P. M., Woon, C. Y., Farnebo, S. J., Bronstein, J. A., Behn, A., Pham, H., Chang, J.
2013; 132 (4): 567e-76e
- **Human flexor tendon tissue engineering: in vivo effects of stem cell reseeded.** *Plastic and reconstructive surgery*
Schmitt, T., Fox, P. M., Woon, C. Y., Farnebo, S. J., Bronstein, J. A., Behn, A., Pham, H., Chang, J.
2013; 132 (4): 567e-576e
- **Physicochemical decellularization of composite flexor tendon-bone interface grafts.** *Plastic and reconstructive surgery*
Bronstein, J. A., Woon, C. Y., Farnebo, S., Behn, A. W., Schmitt, T., Pham, H., Castillo, A. B., Chang, J.
2013; 132 (1): 94-102

- **Physicochemical decellularization of composite flexor tendon-bone interface grafts.** *Plastic and reconstructive surgery*
Bronstein, J. A., Woon, C. Y., Farnebo, S., Behn, A. W., Schmitt, T., Pham, H., Castillo, A. B., Chang, J.
2013; 132 (1): 94-102
- **Management of the hand in systemic sclerosis.** *journal of hand surgery*
Fox, P., Chung, L., Chang, J.
2013; 38 (5): 1012-1016
- **Microsurgical reconstruction of the smilecontemporary trends** *MICROSURGERY*
Momeni, A., Chang, J., Khosla, R. K.
2013; 33 (1): 69-76
- **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
- **Computed tomography angiography in microsurgery: indications, clinical utility, and pitfalls.** *Eplasty*
Lee, G. K., Fox, P. M., Riboh, J., Hsu, C., Saber, S., Rubin, G. D., Chang, J.
2013; 13
- **Human flexor tendon tissue engineering: revitalization of biostatic allograft scaffolds.** *Tissue engineering. Part A*
Woon, C. Y., Farnebo, S., Schmitt, T., Kraus, A., Megerle, K., Pham, H., Yan, X., Gambhir, S. S., Chang, J.
2012; 18 (23-24): 2406-2417
- **Human Flexor Tendon Tissue Engineering: Revitalization of Biostatic Allograft Scaffolds** *TISSUE ENGINEERING PART A*
Woon, C. Y., Farnebo, S., Schmitt, T., Kraus, A., Megerle, K., Hung Pham, H., Yan, X., Gambhir, S. S., Chang, J.
2012; 18 (23-24): 2406-2417
- **Idiopathic true brachial artery aneurysm in an 18-month-old girl** *JOURNAL OF VASCULAR SURGERY*
Greenberg, J. I., Salamone, L., Chang, J., Harris, E. J.
2012; 56 (5): 1426-1426
- **New Concepts and Technologies in Reconstructive Hand Surgery** *CLINICS IN PLASTIC SURGERY*
Schmitt, T., Talley, J., Chang, J.
2012; 39 (4): 445-?
- **Tissue-engineered collateral ligament composite allografts for scapholunate ligament reconstruction: an experimental study.** *journal of hand surgery*
Endress, R., Woon, C. Y., Farnebo, S. J., Behn, A., Bronstein, J., Pham, H., Yan, X., Gambhir, S. S., Chang, J.
2012; 37 (8): 1529-1537
- **Tissue-engineered Collateral Ligament Composite Allografts for Scapholunate Ligament Reconstruction: An Experimental Study** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
Endress, R., Woon, C. Y., Farnebo, S. J., Behn, A., Bronstein, J., Pham, H., Yan, X., Gambhir, S. S., Chang, J.
2012; 37A (8): 1529-1537
- **Overcoming the Learning Curve: A Curriculum-Based Model for Teaching Zone II Flexor Tendon Repairs** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Bari, A. S., Woon, C. Y., Pridgen, B., Chang, J.
2012; 130 (2): 381-388
- **Human Flexor Tendon Tissue Engineering: Decellularization of Human Flexor Tendons Reduces Immunogenicity In Vivo** *TISSUE ENGINEERING PART A*
Raghavan, S. S., Woon, C. Y., Kraus, A., Megerle, K., Choi, M. S., Pridgen, B. C., Pham, H., Chang, J.
2012; 18 (7-8): 796-805
- **Microsurgery Education in Residency Training Validating an Online Curriculum** *Annual Conference of the California-Society-of-Plastic-Surgeons*
Satterwhite, T., Son, J., Carey, J., Zeidler, K., Bari, S., Gurtner, G., Chang, J., Lee, G. K.
LIPPINCOTT WILLIAMS & WILKINS.2012: 410-14
- **Studies in Flexor Tendon Reconstruction: Biomolecular Modulation of Tendon Repair and Tissue Engineering** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*

- Chang, J.
2012; 37A (3): 552-561
- **Bioreactor optimization of tissue engineered rabbit flexor tendons in vivo.** *The Journal of hand surgery, European volume*
Thorfinn, J., Angelidis, I. K., Gigliello, L., Pham, H. M., Lindsey, D., Chang, J.
2012; 37 (2): 109-114
 - **Bioreactor optimization of tissue engineered rabbit flexor tendons in vivo** *JOURNAL OF HAND SURGERY-EUROPEAN VOLUME*
Thorfinn, J., Angelidis, I. K., Gigliello, L., Pham, H. M., Lindsey, D., Chang, J.
2012; 37E (2): 109-114
 - **Optimization of Human Tendon Tissue Engineering: Synergistic Effects of Growth Factors for Use in Tendon Scaffold Repopulation** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Raghavan, S. S., Woon, C. Y., Kraus, A., Megerle, K., Hung Pham, H., Chang, J.
2012; 129 (2): 479-489
 - **Ideal position for thumb interphalangeal arthrodesis in the era of smartphones and text communication.** *Orthopedics*
Yao, J., Park, M. J., Davis, D., Chang, J.
2012; 35 (11): 955-57
 - **Studies in flexor tendon reconstruction: biomolecular modulation of tendon repair and tissue engineering.** *The Journal of hand surgery*
Chang, J.
2012; 37 (3): 552-61
 - **Functional Reconstruction of the Hand: The Stiff Joint** *CLINICS IN PLASTIC SURGERY*
Watt, A. J., Chang, J.
2011; 38 (4): 577-?
 - **Three-Dimensional-Construct Bioreactor Conditioning in Human Tendon Tissue Engineering** *TISSUE ENGINEERING PART A*
Woon, C. Y., Kraus, A., Raghavan, S. S., Pridgen, B. C., Megerle, K., Pham, H., Chang, J.
2011; 17 (19-20): 2561-2572
 - **Flexor Tendon Tissue Engineering: Acellularization of Human Flexor Tendons with Preservation of Biomechanical Properties and Biocompatibility** *TISSUE ENGINEERING PART C-METHODS*
Pridgen, B. C., Woon, C. Y., Kim, M., Thorfinn, J., Lindsey, D., Hung Pham, H., Chang, J.
2011; 17 (8): 819-828
 - **Optimization of Human Tendon Tissue Engineering: Peracetic Acid Oxidation for Enhanced Reseeding of Acellularized Intrasynovial Tendon** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Woon, C. Y., Pridgen, B. C., Kraus, A., Bari, S., Pham, H., Chang, J.
2011; 127 (3): 1107-1117
 - **Joint Arthritis and Soft-Tissue Problems of the Hand** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Watt, A. J., Shin, A. Y., Vedder, N. B., Chang, J.
2010; 126 (6): 288E-300E
 - **Tissue engineering of flexor tendons: the effect of a tissue bioreactor on adipoderived stem cell-seeded and fibroblast-seeded tendon constructs.** *journal of hand surgery*
Angelidis, I. K., Thorfinn, J., Connolly, I. D., Lindsey, D., Pham, H. M., Chang, J.
2010; 35 (9): 1466-1472
 - **Tissue Engineering of Flexor Tendons: The Effect of a Tissue Bioreactor on Adipoderived Stem Cell-Seeded and Fibroblast-Seeded Tendon Constructs** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
Angelidis, I. K., Thorfinn, J., Connolly, I. D., Lindsey, D., Pham, H. M., Chang, J.
2010; 35A (9): 1466-1472
 - **Flexor Tendon Tissue Engineering: Bioreactor Cyclic Strain Increases Construct Strength** *TISSUE ENGINEERING PART A*
Saber, S., Zhang, A. Y., Ki, S. H., Lindsey, D. P., Smith, R. L., Riboh, J., Pham, H., Chang, J.
2010; 16 (6): 2085-2090
 - **Complications After Flexor Tendon Injuries** *HAND CLINICS*

- Momeni, A., Grauel, E., Chang, J.
2010; 26 (2): 179-?
- **Demographic and Financial Analysis of EMTALA Hand Patient Transfers.** *Hand (New York, N.Y.)*
Melkun, E. T., Ford, C., Brundage, S. I., Spain, D. A., Chang, J.
2010; 5 (1): 72-76
 - **Radial artery perforator flap.** *journal of hand surgery*
Ho, A. M., Chang, J.
2010; 35 (2): 308-311
 - **Radial Artery Perforator Flap** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
Ho, A. M., Chang, J.
2010; 35A (2): 308-311
 - **Flexor Tendon Tissue Engineering: Temporal Distribution of Donor Tenocytes versus Recipient Cells** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Thorfinn, J., Saber, S., Angelidis, I. K., Ki, S. H., Zhang, A. Y., Chong, A. K., Pham, H. M., Lee, G. K., Chang, J.
2009; 124 (6): 2019-2026
 - **Tissue engineering of flexor tendons: The effect of a tissue bioreactor on adipoderived stem cell-seeded and fibroblast-seeded constructs** *95th Annual Clinical Congress of the American-College-of-Surgeons/64th Annual Sessions of the Owen H Wangenstein Forum on Fundamental Surgical Problems*
Angelidis, I. K., Thorfinn, J., Connolly, I. D., Lindsey, D., Pham, H. M., Chang, J.
ELSEVIER SCIENCE INC.2009: S75-S76
 - **Flexor Tendon Tissue Engineering: Acellularized and Reseeded Tendon Constructs** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Chong, A. K., Riboh, J., Smith, R. L., Lindsey, D. P., Pham, H. M., Chang, J.
2009; 123 (6): 1759-1766
 - **Tissue-engineered intrasynovial tendons: Optimization of acellularization and seeding** *JOURNAL OF REHABILITATION RESEARCH AND DEVELOPMENT*
Zhang, A. Y., Bates, S. J., Morrow, E., Pham, H., Pham, B., Chang, J.
2009; 46 (4): 489-497
 - **Mesenchymal stem cells and tendon healing** *FRONTIERS IN BIOSCIENCE-LANDMARK*
Chong, A. K., Chang, J., Go, J. C.
2009; 14: 4598-4605
 - **Gene expression analysis of Dupuytren's disease: the role of TGF-beta2.** *The Journal of hand surgery, European volume*
Zhang, A. Y., Fong, K. D., Pham, H., Nacamuli, R. P., Longaker, M. T., Chang, J.
2008; 33 (6): 783-790
 - **Bioactive sutures for tendon repair: assessment of a method of delivering pluripotential embryonic cells.** *journal of hand surgery*
Yao, J., Korotkova, T., Riboh, J., Chong, A., Chang, J., Smith, R. L.
2008; 33 (9): 1558-1564
 - **Bioactive Sutures for Tendon Repair: Assessment of a Method of Delivering Pluripotential Embryonic Cells** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
Yao, J., Korotkova, T., Riboh, J., Chong, A., Chang, J., Smith, R. L.
2008; 33A (9): 1558-1564
 - **Optimization of flexor tendon tissue engineering with a cyclic strain bioreactor.** *journal of hand surgery*
Riboh, J., Chong, A. K., Pham, H., Longaker, M., Jacobs, C., Chang, J.
2008; 33 (8): 1388-1396
 - **Optimization of Flexor Tendon Tissue Engineering With a Cyclic Strain Bioreactor** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
Riboh, J., Chong, A. K., Pham, H., Longaker, M., Jacobs, C., Chang, J.
2008; 33A (8): 1388-1396
 - **CT angiography in pediatric extremity trauma: preoperative evaluation prior to reconstructive surgery.** *Hand (New York, N.Y.)*
Hsu, C. S., Hellinger, J. C., Rubin, G. D., Chang, J.
2008; 3 (2): 139-145

- **THE TIMING OF MICROSURGICAL RECONSTRUCTION IN LOWER EXTREMITY TRAUMA** *MICROSURGERY*
Karanas, Y. L., Nigriny, J., Chang, J.
2008; 28 (8): 632-634
- **Live imaging of Smad2/3 signaling in mouse skin wound healing** *WOUND REPAIR AND REGENERATION*
Chong, A. K., Satterwhite, T., Pham, H. M., Costa, M. A., Luo, J., Longaker, M. T., Wyss-Coray, T., Chang, J.
2007; 15 (5): 762-766
- **Dupuytren's disease: history, diagnosis, and treatment** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Shaw, R. B., Chong, A. K., Zhang, A., Hentz, V. R., Chang, J.
2007; 120 (3): 791-792
- **Dupuytren's Disease: History, Diagnosis, and Treatment** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Shaw, R. B., Chong, A. K., Zhang, A., Hentz, V. R., Chang, J.
2007; 120 (3): 44E-54E
- **Deltoid flap combined with fascia lata autograft for rotator cuff defects: a histologic study** *KNEE SURGERY SPORTS TRAUMATOLOGY ARTHROSCOPY*
McAdams, T. R., Knudsen, K. R., Yalamanchi, N., Chang, J., Goodman, S. B.
2007; 15 (9): 1144-1149
- **In vitro analysis of transforming growth factor-beta 1 inhibition in novel Transgenic SBE-luciferase mice** *ANNALS OF PLASTIC SURGERY*
Satterwhite, T. S., Chong, A. K., Luo, J., Pham, H., Costa, M., Longaker, M. T., Wyss-Coray, T., Chang, J.
2007; 59 (2): 207-213
- **A comparison of tenocytes and mesenchymal stem cells for use in flexor tendon tissue engineering** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
Kryger, G. S., Chong, A. K., Costa, M., Pham, H., Bates, S. J., Chang, J.
2007; 32A (5): 597-605
- **Requests for 692 transfers to an academic Level I trauma center: Implications of the Emergency Medical Treatment and Active Labor Act** *65th Annual Meeting of the American-Association-for-the-Surgery-of-Trauma*
Spain, D. A., Bellino, M., Kopelman, A., Chang, J., Park, J., Gregg, D. L., Brundage, S. I.
LIPPINCOTT WILLIAMS & WILKINS.2007: 63-67
- **A comparison of tenocytes and mesenchymal stem cells for use in flexor tendon tissue engineering.** *The Journal of hand surgery*
Kryger, G. S., Chong, A. K., Costa, M., Pham, H., Bates, S. J., Chang, J.
2007; 32 (5): 597-605
- **Optimization of microsurgery - Improved coverage of the Latissimus dorsi vascular pedicle with vascularized serratus fascia** *ANNALS OF PLASTIC SURGERY*
Riboh, J., Nigriny, J., Chong, A., Page, R., Chang, J.
2007; 58 (1): 109-111
- **Mannose-6-phosphate, an inhibitor of transforming growth factor-beta, improves range of motion after flexor tendon repair.** *journal of bone and joint surgery. American volume*
Bates, S. J., Morrow, E., Zhang, A. Y., Pham, H., Longaker, M. T., Chang, J.
2006; 88 (11): 2465-2472
- **Mannose-6-phosphate, an inhibitor of transforming growth factor-beta, improves range of motion after flexor tendon repair** *JOURNAL OF BONE AND JOINT SURGERY-AMERICAN VOLUME*
Bates, S. J., Morrow, E., Zhang, A. Y., Pham, H., Longaker, M. T., Chang, J.
2006; 88A (11): 2465-2472
- **Tissue engineering of flexor tendons: Optimization of tenocyte proliferation using growth factor supplementation** *TISSUE ENGINEERING*
Costa, M. A., Wu, C., Pham, B. V., Chong, A. K., Pham, H. M., Chang, J.
2006; 12 (7): 1937-1943
- **Reconstruction of hand soft-tissue defects: Alternatives to the radial forearm fasciocutaneous flap** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
Page, R., Chang, J.
2006; 31A (5): 847-856

- **Tissue engineering for the hand surgeon: A clinical perspective** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
Chong, A. K., Chang, J.
2006; 31A (3): 349-358
- **Expression of a novel gene, MafB, in Dupuytren's disease.** *journal of hand surgery*
Lee, L. C., Zhang, A. Y., Chong, A. K., Pham, H., Longaker, M. T., Chang, J.
2006; 31 (2): 211-218
- **Expression of a novel gene, MafB, in Dupuytren's disease** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
Lee, L. C., Zhang, A. Y., Chong, A. K., Pham, H., Longaker, M. T., Chang, J.
2006; 31A (2): 211-218
- **Tissue engineering for the hand surgeon: a clinical perspective.** *The Journal of hand surgery*
Chong, A. K., Chang, J.
2006; 31 (3): 349-58
- **Microarray analysis of mechanical shear effects on flexor tendon cells** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Fong, K. D., Trindade, M. C., Wang, Z., Nacamuli, R. P., Pham, H., Fang, T. D., Song, H. J., Smith, L., Longaker, M. T., Chang, J.
2005; 116 (5): 1393-1404
- **Vascular mapping of the leg with multi-detector row CT angiography prior to free-flap transplantation** *87th Scientific Assembly and Annual Meeting of the Radiological-Society-of-North-America*
Chow, L. C., Napoli, A., Klein, M. B., Chang, J., Rubin, G. D.
RADIOLOGICAL SOC NORTH AMERICA.2005: 353-60
- **Flexor tendon tissue engineering: a comparison of tenocytes versus stem cells** *91st Annual Clinical Congress of the American-College-of-Surgeons*
Kryger, G. S., Pham, H., Wu, C., BATES, S., Chang, J.
ELSEVIER SCIENCE INC.2005: S45-S46
- **CT angiography in complex upper extremity reconstruction.** *Journal of hand surgery (Edinburgh, Scotland)*
Bogdan, M. A., Klein, M. B., Rubin, G. D., McAdams, T. R., Chang, J.
2004; 29 (5): 465-469
- **CT angiography in complex upper extremity reconstruction** *JOURNAL OF HAND SURGERY-BRITISH AND EUROPEAN VOLUME*
Bogdan, M. A., Klein, M. B., Rubin, G. D., McAdams, T. R., Chang, J.
2004; 29B (5): 465-469
- **Twelve simple maneuvers to optimize digital replantation and revascularization.** *Techniques in hand & upper extremity surgery*
Chang, J., Jones, N.
2004; 8 (3): 161-166
- **Sternal osteomyelitis: Use of vacuum-assisted closure device as an adjunct to definitive closure with sternectomy and muscle flap reconstruction** *JOURNAL OF CARDIAC SURGERY*
Scholl, L., Chang, E., Reitz, B., Chang, J.
2004; 19 (5): 453-461
- **Inhibition of TGF-beta-induced collagen production in rabbit flexor tendons.** *journal of hand surgery*
Zhang, A. Y., Pham, H., Ho, F., Teng, K., Longaker, M. T., Chang, J.
2004; 29 (2): 230-235
- **Inhibition of TGF-beta-induced collagen production in rabbit flexor tendons** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
Zhang, A. Y., Pham, H., Ho, F., Teng, K., Longaker, M. T., Chang, J.
2004; 29A (2): 230-235
- **Flexor tendon wound healing in vitro: Lactate up-regulation of TGF-beta expression and functional activity** *47th Annual Meeting of the Plastic-Surgery-Research-Council*
Yalamanchi, N., Klein, M. B., Pham, H. M., Longaker, M. T., Chang, J.
LIPPINCOTT WILLIAMS & WILKINS.2004: 625-32
- **Preoperative CT angiography for free fibula transfer** *MICROSURGERY*

- Karanas, Y. L., Antony, A., Rubin, G., Chang, J.
2004; 24 (2): 125-127
- **Scaphoid nonunion: Diagnosis and treatment** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Pao, V. S., Chang, J.
2003; 112 (6): 1666-1676
 - **Three-dimensional hyaluronic acid grafts promote healing and reduce scar formation in skin incision wounds.** *Journal of biomedical materials research. Part B, Applied biomaterials*
Hu, M., Sabelman, E. E., Cao, Y., Chang, J., Hentz, V. R.
2003; 67 (1): 586-592
 - **Three-dimensional hyaluronic acid grafts promote healing and reduce scar formation in skin incision wounds** *JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS*
Hu, M., Sabelman, E. E., Cao, Y., Chang, J., Hentz, V. R.
2003; 67B (1): 586-592
 - **Tissue engineering of flexor tendons** *CLINICS IN PLASTIC SURGERY*
Zhang, A. Y., Chang, J.
2003; 30 (4): 565-?
 - **Early experience with computed tomographic angiography in microsurgical reconstruction** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Klein, M. B., Karanas, Y. L., Chow, L. C., Rubin, G. D., Chang, J.
2003; 112 (2): 498-503
 - **Protective effects of superoxide dismutase against ischemia-reperfusion injury: Development and application of a transgenic animal model** *46th Annual Meeting of Plastic-Surgery-Research-Council*
Klein, M. B., Chan, P. H., Chang, J.
LIPPINCOTT WILLIAMS & WILKINS.2003: 251-55
 - **Images in clinical medicine. Ulnar-nerve schwannoma.** *New England journal of medicine*
Chang, J., Klein, M. B.
2002; 347 (12): 903-?
 - **Matrix metalloproteinases and the ontogeny of scarless repair: The other side of the wound healing balance** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Peled, Z. M., Phelps, E. D., Updike, D. L., Chang, J., Krummel, T. M., Howard, E. W., Longaker, M. T.
2002; 110 (3): 801-811
 - **Flexor tendon healing in vitro: effects of TGF-beta on tendon cell collagen production.** *journal of hand surgery*
Klein, M. B., Yalamanchi, N., Pham, H., Longaker, M. T., Chang, J.
2002; 27 (4): 615-620
 - **Flexor tendon healing in vitro: Effects of TGF-beta on tendon cell collaizen production** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
Klein, M. B., Yalamanchi, N., Pham, H., Longaker, M. T., Chang, J.
2002; 27A (4): 615-620
 - **Reconstruction of the hand in Apert syndrome: A simplified approach** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Chang, J., Danton, T. K., Ladd, A. L., Hentz, V. R.
2002; 109 (2): 465-470
 - **Overhealing, underhealing, and skin regeneration: a new perspective on wound healing.** *Asian journal of surgery*
Peled, Z. M., Galiano, R., Chin, G. S., Chang, J., Krummel, T. M., Longaker, M. T.
2002; 25 (1): 102-110
 - **Gene expression of transforming growth factor beta isoforms in interposition nerve grafting.** *journal of hand surgery*
Karanas, Y. L., Bogdan, M. A., Lineaweaver, W. C., Hentz, V. R., Longaker, M. T., Chang, J.
2001; 26 (6): 1082-1087
 - **Gene expression of transforming growth factor beta isoforms in interposition nerve grafting** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
Karanas, Y. L., Bogdan, M. A., Lineaweaver, W. C., Hentz, V. R., Longaker, M. T., Chang, J.
2001; 26A (6): 1082-1087

- **Acute nerve grafting in traumatic injuries: Two case studies** *Annual Meeting of the Southeastern-Society-for-Plastic-and-Reconstructive-Surgeons*
Sud, V., Chang, J., Lineaweaver, W.
LIPPINCOTT WILLIAMS & WILKINS.2001: 555–59
- **Fetal wound healing: Progress report and future directions** *SURGERY*
Longaker, N. T., Peled, Z. M., Chang, J., Krummel, T. M.
2001; 130 (5): 785-787
- **Differential expression of transforming growth factor-beta receptors in a rabbit zone II flexor tendon wound healing model** *69th Annual Meeting of the American-Society-of-Plastic-and-Reconstructive-Surgeons*
Ngo, M., Pham, H., Longaker, M. T., Chang, J.
LIPPINCOTT WILLIAMS & WILKINS.2001: 1260–67
- **The ontogeny of scarless healing II: EGF and PDGF-B gene expression in fetal rat skin and fibroblasts as a function of gestational age** *ANNALS OF PLASTIC SURGERY*
Peled, Z. M., Rhee, S. J., HSU, M., Chang, J., Krummel, T. M., Longaker, M. T.
2001; 47 (4): 417-424
- **Flexor tendon wound healing in vitro: the effect of lactate on tendon cell proliferation and collagen production.** *journal of hand surgery*
Klein, M. B., Pham, H., Yalamanchi, N., Chang, J.
2001; 26 (5): 847-854
- **Flexor tendon wound healing in vitro: The effect of lactate on tendon cell proliferation and collagen production** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
Klein, M. B., Pham, H., Yalamanchi, N., Chang, J.
2001; 26A (5): 847-854
- **Acute nerve grafting in traumatic injuries** *1st Congress of the World-Society-for-Reconstructive-Microsurgery*
Sud, V., Chang, J., Lineaweaver, W. C.
MEDIMOND S R L.2001: 523–525
- **Staged closure of complicated bronchopleural fistulas** *48th Annual Meeting of the California-Society-of-Plastic-Surgeons*
Turk, A. E., Karanas, Y. L., Cannon, W., Chang, J.
LIPPINCOTT WILLIAMS & WILKINS.2000: 560–64
- **Free flap closure in complex congenital and acquired defects of the palate** *ANNALS OF PLASTIC SURGERY*
Turk, A. E., Chang, J., Soroudi, A. E., Hui, K., Lineaweaver, W. C.
2000; 45 (3): 274-279
- **Management of hand and upper-extremity infections in heart transplant recipients** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Klein, M. B., Chang, J.
2000; 106 (3): 598-601
- **Plastic surgeons in American hand surgery: The past, present, and future** *68th Annual Meeting of the American-Society-of-Plastic-and-Reconstructive-Surgeons*
Chang, J., Hentz, V. R., Chase, R. A.
LIPPINCOTT WILLIAMS & WILKINS.2000: 406–12
- **Community acquired methicillin-resistant Staphylococcus aureus hand infections: case reports and clinical implications.** *journal of hand surgery*
Karanas, Y. L., Bogdan, M. A., Chang, J.
2000; 25 (4): 760-763
- **Community acquired methicillin-resistant Staphylococcus aureus hand infections: Case reports and clinical implications** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
Karanas, Y. L., Bogdan, M. A., Chang, J.
2000; 25A (4): 760-763
- **Studies in flexor tendon wound healing: Neutralizing antibody to TGF-beta 1 increases postoperative range of motion** *Annual Scientific Meeting of the American-College-of-Surgeons*
Chang, J., Thunder, R., Most, D., Longaker, M. T., Lineaweaver, W. C.

LIPPINCOTT WILLIAMS & WILKINS.2000: 148–55

- **A single surgeon's experience with the Delaire palatoplasty** *48th Annual Meeting of the California-Society-of-Plastic-Surgeons*
Schendel, S. A., Lorenz, H. P., Dagenais, D., Hopkins, E., Chang, J.
LIPPINCOTT WILLIAMS & WILKINS.1999: 1993–97
- **Proliferative hemangiomas: Analysis of cytokine gene expression and angiogenesis** *66th Annual Meeting of the American-Society-of-Plastic-and-Reconstructive-Surgeons*
Chang, J., Most, D., Bresnick, S., Mehrara, B., Steinbrech, D. S., Reinisch, J., Longaker, M. T., Turk, A. E.
LIPPINCOTT WILLIAMS & WILKINS.1999: 1–9
- **Molecular studies in flexor tendon wound healing: the role of basic fibroblast growth factor gene expression.** *journal of hand surgery*
Chang, J., Most, D., Thunder, R., Mehrara, B., Longaker, M. T., Lineaweaver, W. C.
1998; 23 (6): 1052-1058
- **Molecular studies in flexor tendon wound healing: The role of basic fibroblast growth factor gene expression** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
Chang, J., Most, D., Thunder, R., Mehrara, B., Longaker, M. T., Lineaweaver, W. C.
1998; 23A (6): 1052-1058
- **A method for immobilizing the forelimbs of rabbits** *CONTEMPORARY TOPICS IN LABORATORY ANIMAL SCIENCE*
Thunder, R. M., Chang, J., Broome, R. L., Most, D.
1998; 37 (5): 94-95
- **Gene expression of transforming growth factor beta-1 in rabbit zone II flexor tendon wound healing: Evidence for dual mechanisms of repair** *Annual Meeting of the American-Society-of-Plastic-and-Reconstructive-Surgeons*
Chang, J., Most, D., Stelnicki, E., Siebert, J. W., Longaker, M. T., Hui, K., Lineaweaver, W. C.
LIPPINCOTT WILLIAMS & WILKINS.1997: 937–44
- **Tibialis anterior turnover flap coverage of exposed tibia in a severely burned patient** *BURNS*
Chang, J., Most, D., HOVEY, L. M., Yim, K. K.
1997; 23 (1): 69-71
- **The role of bFGF and VEGF gene expression in proliferative hemangiomas** *7th International Congress of the International-Society-for-Craniofacial-Surgery*
Chang, J., Most, D., Bresnick, S., Reinisch, J., Longaker, M. T., Turk, A.
MONDUZZI EDITORE.1997: 303–304