

Hand and Arm Research Collaborative

2021 Publications

Macken AA, Lans J, Miyamura S, **Eberlin KR, Chen NC**. Soft-tissue coverage for wound complications following total elbow arthroplasty. *Clin Shoulder Elb*. 2021 Dec;24(4):245-252. doi: 10.5397/cise.2021.00409.

Gfrerer L, Chartier C, Lans J, **Eberlin KR**, Austen WG Jr. A Correlation between Upper Extremity Compressive Neuropathy and Nerve Compression Headache. *Plast Reconstr Surg*. 2021 Dec 1;148(6):1308-1315. doi: 10.1097/PRS.0000000000008574.

Macken AA, Lans J, Özkan S, Kramer S, **Jupiter JB, Chen NC**. Outcomes of Flexor Pollicis Longus Reconstruction for Volar Plate Related Ruptures. *J Hand Microsurg*. 2021 Nov 23;15(3):212-218. doi: 10.1055/s-0041-1739961.

Agrawal N, Olafsson S, Pickrell BB, Heng M, Valerio IL, **Eberlin KR**. The Octopus Procedure Combined with Targeted Muscle Reinnervation for Elective Transhumeral Amputation. *Plast Reconstr Surg Glob Open*. 2021 Nov 16;9(11):e3931. doi: 10.1097/GOX.0000000000003931.

Makhoul AT, Veeramani A, **Eberlin KR**, Drolet BC. Standardizing Plastic Surgery Away Rotations: A Call for Greater Equity and Transparency. *Plast Reconstr Surg*. 2021 Nov 1;148(5):874e-875e. doi: 10.1097/PRS.0000000000008438.

Zamri M, Lans J, **Jupiter JB, Eberlin KR, Garg R, Chen NC**. Factors Associated with Prolonged Opioid Use after CMC Arthroplasty. *J Hand Microsurg*. 2021 Oct 1;15(3):196-202. doi: 10.1055/s-0041-1736003.

Irwin TJ, Ortiz R, Leto Barone AA, Veeravagu L, Sherif RD, Lifchez SD, Fox PM, Momoh AO, Liao EC, **Eberlin KR**. Are All Posts Created Equal? A Review of Academic Plastic Surgery Residency Programs' Social Media Engagement Statistics. *Plast Reconstr Surg*. 2021 Oct 1;148(4):700e-702e. doi: 10.1097/PRS.0000000000008379.

Gruber JS, Zhang D, Janssen SJ, Blazar P, **Jupiter JB**, Earp BE. Limited Fasciectomy Versus Collagenase Clostridium histolyticum for Dupuytren Contracture: A Propensity Score Matched Study of Single Digit Treatment With Minimum 5 Years of Telephone Follow-Up. *J Hand Surg Am*. 2021 Oct;46(10):888-895. doi: 10.1016/j.jhsa.2021.05.022.

Zhang D, **Garg R**, Earp BE, Blazar P, Dyer GSM. Shoulder Arthrodesis versus Upper Trapezius Transfer for Traumatic Brachial Plexus Injury: A Proportional Meta-Analysis. *Adv Orthop*. 2021 Oct 13;2021:4445498. doi: 10.1155/2021/4445498.

Zhang D, Dyer GSM, **Garg R**. Delayed Referral for Adult Traumatic Brachial Plexus Injuries. *J Hand Surg Am*. 2021 Oct;46(10):929.e1-929.e7. doi: 10.1016/j.jhsa.2021.01.026.

Lans J, Westenberg RF, Verhiel SHWL, **Garg R, Jupiter JB, Chen NC**. An Economic Analysis of Direct Costs of Distal Radius Fixation and the Implications of a Disposable Distal Radius Kit. *J Orthop Trauma*. 2021 Sep 1;35(9):e346-e351. doi: 10.1097/BOT.0000000000002049.

Nawijn F, Verhiel SHWL, **Jupiter JB, Chen NC**. Hemiresection Interposition Arthroplasty of the Distal Radioulnar Joint: A Long-term Outcome Study. *Hand (N Y)*. 2021 Sep;16(5):664-673. doi: 10.1177/1558944719873430.

Drinane JJ, Ruter D, **Eberlin KR, Bialowas C**. A longitudinal assessment of the surgical treatment of symptomatic neuromas and their surgical management in the American College of Surgeons National Surgical Quality Improvement Program database. *J Plast Reconstr Aesthet Surg*. 2021 Sep;74(9):2392-2442. doi: 10.1016/j.bjps.2021.03.018.

Westenberg RF, **Eberlin KR, Chen NC**. Reply: Revision Carpal Tunnel Release: Risk Factors and Rate of Secondary Surgery. *Plast Reconstr Surg*. 2021 Aug 1;148(2):309e-310e. doi: 10.1097/PRS.00000000000008123.

DeFazio MW, Özkan S, Wagner ER, Warner JJP, **Chen NC**. Isolated type II SLAP tears undergo reoperation more frequently. *Knee Surg Sports Traumatol Arthrosc*. 2021 Aug;29(8):2570-2578. doi: 10.1007/s00167-020-06397-4.

Eberlin KR, Payne DES, McCollam SM, Levin LS, Friedrich JB. Hand Trauma Network in the United States: ASSH Member Perspective Over the Last Decade. *J Hand Surg Am*. 2021 Aug;46(8):645-652. doi: 10.1016/j.jhssa.2021.03.018.

Wildemann B, Ignatius A, Leung F, Taitsman LA, Smith RM, Pesántez R, Stoddart MJ, Richards RG, **Jupiter JB**. Non-union bone fractures. *Nat Rev Dis Primers*. 2021 Aug 5;7(1):57. doi: 10.1038/s41572-021-00289-8.

Notermans BJW, Lans J, Ponton RP, **Jupiter JB, Chen NC**. Factors Associated with Reoperation after Pyrocarbon Proximal Interphalangeal Joint Arthroplasty for the Arthritic Joint: A Retrospective Cohort Study. *J Hand Microsurg*. 2021 Jul;13(3):132-137. doi: 10.1055/s-0040-1709088.

Westenberg RF, **Chen NC, Eberlin KR**. Reply: Long-Term Outcomes after Surgical Treatment of Radial Sensory Nerve Neuromas: Patient-Reported Outcomes and Rate of Secondary Surgery. *Plast Reconstr Surg*. 2021 Jul 1;148(1):147e-148e. doi: 10.1097/PRS.00000000000008073.

Lans J, Notermans BJW, Germawi L, Lee H, **Jupiter JB, Chen NC**. Factors Associated With Reoperation After Silicone Proximal Interphalangeal Joint Arthroplasty. *Hand (N Y)*. 2021 Jul;16(4):461-466. doi: 10.1177/1558944719864453.

Irwin TJ, Friedrich JB, Nguyen VT, Ko JH, Phillips BT, **Eberlin KR**. Assessment of Plastic Surgery Residency Applications without United States Medical Licensing Examination Step 1 Scores. *Plast Reconstr Surg*. 2021 Jul 1;148(1):219-223. doi: 10.1097/PRS.00000000000008057.

Miyamura S, Lans J, Min KS, Waryasz GR, Murase T, **Chen NC**. Bone resorption of the greater tuberosity after open reduction and internal fixation of complex proximal humeral fractures: fragment characteristics and intraoperative risk factors. *J Shoulder Elbow Surg*. 2021 Jul;30(7):1626-1635. doi: 10.1016/j.jse.2020.09.014.

Spek RWA, Smeeing DPJ, van den Heuvel L, Kokke MC, **Bhashyam AR, Kelder JC, Verleisdonk EJMM, Houwert RM, van der Velde D**. Complications After Surgical Treatment of Geriatric Ankle Fractures. *J Foot Ankle Surg*. 2021 Jul-Aug;60(4):712-717. doi: 10.1053/j.jfas.2019.12.012.

Xu L, Tan J, Wei P, Luo X, Tan H, **Mudgal CS**. CLINICAL APPLICATION OF 3D PRINTING TECHNOLOGY FOR PREOPERATIVE PLANNING OF THUMB RECONSTRUCTION. *Acta Ortop Bras*. 2021 Jul-Aug;29(4):211-218. doi: 10.1590/1413-785220212904235492.

Zamri M, Lans J, **Eberlin KR, Garg R, Jupiter JB, Chen NC**. Reintervention, PROMs, and Factors Influencing PROMs Following Surgery for de Quervain's Tenosynovitis. *J Hand Microsurg*. 2021 Jun 19;15(3):165-174. doi: 10.1055/s-0041-1731105.

Agrawal NA, Gfrerer L, Heng M, Valerio IL, **Eberlin KR**. The Use of Peripheral Nerve Stimulation in Conjunction with TMR for Neuropathic Pain. *Plast Reconstr Surg Glob Open*. 2021 Jun 22;9(6):e3655. doi: 10.1097/GOX.0000000000003655.

Lans J, Hoftiezer Y, Lozano-Calderón SA, Heng M, Valerio IL, **Eberlin KR**. Risk Factors for Neuropathic Pain Following Major Upper Extremity Amputation. *J Reconstr Microsurg*. 2021 Jun;37(5):413-420. doi: 10.1055/s-0040-1718547.

Oflazoglu K, Wilkens SC, Rakhorst H, Ring D, **Chen NC**. Reoperation After Operative Fixation of Proximal Interphalangeal Joint Fractures. *Hand (N Y)*. 2021 May;16(3):338-347. doi: 10.1177/1558944719858429.

Verhiel SHWL, Özkan S, Ritt MJPF, **Chen NC, Eberlin KR**. A Comparative Study Between Darrach and Sauvé-Kapandji Procedures for Post-Traumatic Distal Radioulnar Joint Dysfunction. *Hand (N Y)*. 2021 May;16(3):375-384. doi: 10.1177/1558944719855447.

Oflazoglu K, Lans J, Castelein RM, Lozano Calderón SA, **Chen NC**. Pathologic Fractures in Benign Neoplasms of the Fingers. *Hand (N Y)*. 2021 May;16(3):326-331. doi: 10.1177/1558944719855443.

Miyamura S, Lans J, Murase T, Oka K, **Chen NC**. Degenerative changes in the elbow joint after radial head excision for fracture: quantitative 3-dimensional analysis of bone density, stress distribution, and bone morphology. *J Shoulder Elbow Surg*. 2021 May;30(5):e199-e211. doi: 10.1016/j.jse.2020.09.035.

Germawi L, Westenberg RF, Wang F, Schep NWL, **Chen NC, Eberlin KR**. Factors associated with revision surgery for olecranon bursitis after bursectomy. *J Shoulder Elbow Surg*. 2021 May;30(5):1135-1141. doi: 10.1016/j.jse.2020.09.033.

Wimalawansa SM, Lygrisse D, Anderson SR, **Eberlin KR, Westenberg R, Schulz S, West J, Valerio IL**. Targeted Muscle Reinnervation in Partial Hand Amputations. *Plast Reconstr Surg Glob Open*. 2021 May 28;9(5):e3542. doi: 10.1097/GOX.0000000000003542.

Daly MC, Horst TA, **Mudgal CS**. Dorsal Cortical Breaks in Volar Barton Distal Radius Fractures. *Hand (N Y)*. 2021 May;16(3):303-309. doi: 10.1177/1558944719862644.

Hoftiezer YAJ, Lans J, van der Heijden BEPA, **Chen NC, Eberlin KR, Lozano-Calderón SA**. Long-term patient-reported outcome measures following limb salvage with complex reconstruction or amputation in the treatment of upper extremity sarcoma. *J Surg Oncol*. 2021 Apr;123(5):1328-1335. doi: 10.1002/jso.26426.

Lans J, Ballatori SE, Castelein RM, **Chen NC, Lozano Calderon SA**. Osteoarticular allograft reconstruction after distal radius tumor resection: Reoperation and patient reported outcomes. *J Surg Oncol*. 2021 Apr;123(5):1304-1315. doi: 10.1002/jso.26405.

Drinane JJ, Drolet B, Roth MZ, **Eberlin KR**. Preparation for Hand Surgery Fellowship: A Comparison of Resident Training Pathways. *Plast Reconstr Surg*. 2021 Apr 1;147(4):887-893. doi: 10.1097/PRS.0000000000007722.

Lans J, Yue KC, Castelein RM, Suster DI, Nielsen GP, **Chen NC, Calderon SAL**. Soft-tissue Sarcoma of the Hand: Patient Characteristics, Treatment, and Oncologic Outcomes. *J Am Acad Orthop Surg*. 2021 Mar 15;29(6):e297-e307. doi: 10.5435/JAAOS-D-20-00434.

Hassan Beygi Monfared S, Lans J, **Chen NC**. Patient Reported Outcomes of Long Head Biceps Tenodesis after Spontaneous Rupture. *Arch Bone Jt Surg*. 2021 Mar;9(2):195-202. doi: 10.22038/abjs.2020.48669.2414.

Irwin TJ, Riesel JN, Ortiz R, Helliwell LA, Lin SJ, **Eberlin KR**. The Impact of Social Media on Plastic Surgery Residency Applicants. *Ann Plast Surg*. 2021 Mar 1;86(3):335-339. doi: 10.1097/SAP.0000000000002375.

Hoftiezer YAJ, Lans J, Freniere BB, **Eberlin KR, Chen NC**, Lozano-Calderón SA. Factors associated with 30-day soft tissue complications following upper extremity sarcoma surgery. *J Surg Oncol*. 2021 Feb;123(2):521-531. doi: 10.1002/jso.26311.

Eberlin KR, Pickrell BB, Hamaguchi R, Hagan RR. Reset Neurectomy for Cutaneous Nerve Injuries. *Plast Reconstr Surg Glob Open*. 2021 Feb 15;9(2):e3401. doi: 10.1097/GOX.0000000000003401.

Sobti N, Park A, Crandell D, Smith FA, Valerio I, Lozano-Calderon SA, **Eberlin KR**, Heng M. Interdisciplinary Care for Amputees Network: A Novel Approach to the Management of Amputee Patient Populations. *Plast Reconstr Surg Glob Open*. 2021 Feb 15;9(2):e3384. doi: 10.1097/GOX.0000000000003384.

Valerio IL, Larsen M, **Eberlin KR**. Application of Spare Parts in Combination with Targeted Muscle Reinnervation Surgery. *Plast Reconstr Surg*. 2021 Feb 1;147(2):279e-283e. doi: 10.1097/PRS.0000000000007594.

Anantavorasakul N, Westenberg RF, Serebrakian AT, Zamri M, **Chen NC, Eberlin KR**. Gunshot Injuries of the Hand: Incidence, Treatment Characteristics, and Factors Associated With Healthcare Utilization. *Hand (N Y)*. 2023 Jan;18(1):158-166. doi: 10.1177/1558944721998016.

Gottlieb RW, Westenberg RF, **Chen NC**, Coert JH, **Eberlin KR**. Long-Term Outcomes after Surgical Treatment of Radial Sensory Nerve Neuromas: Patient-Reported Outcomes and Rate of Secondary Surgery. *Plast Reconstr Surg*. 2021 Jan 1;147(1):101-111. doi: 10.1097/PRS.0000000000007437.