



Mary Claire Manske, M.D.

Philosophy of Care

I am committed to providing compassionate, high-quality care to you and your family members. I believe in educating patients about their condition, so we can develop an individualized treatment plan that helps you meet your goals and return to the activities you most enjoy.

Clinical Interests

Dr. Manske is a board-certified, fellowship-trained hand, upper extremity, and microvascular surgeon caring for both adult and pediatric patients.

Dr. Manske has a particular interest in traumatic conditions in adults, including nerve injuries. She has additional fellowship training in pediatric hand and upper extremity surgery with a special interest in congenital, traumatic, and neuromuscular conditions of the upper limb in children.

Research/Academic Interests

Dr. Manske is an orthopedic surgeon specializing in the pediatric hand and upper extremity. Throughout medical school, residency, and fellowship, she has had an interest in caring for children with congenital, traumatic, or neuromuscular conditions with the goal of improving their function, self-image, self-esteem and lives.

Following a residency in orthopedic surgery and fellowship in hand surgery, Dr. Manske elected to undergo additional fellowship training in pediatric hand and upper extremity surgery under the mentorship of Dr. Michelle James at Shriners Hospital in Northern California to gain additional experience and expertise in caring for children with complex conditions of the upper extremity, including brachial plexus birth injuries (BPBI).

Upon joining the medical staff at Shriners Hospital in Northern California, Dr. Manske has become the director of the brachial plexus birth injury center, providing surgical care for infants with BPBI, coordinating the multidisciplinary needs of patients and families, and participating in research focusing on improving treatment outcomes of BPBI.

Title Assistant Professor

Specialty Orthopaedic Surgery - Hand, Orthopaedic Surgery, Hand Surgery

Department [Orthopaedic Surgery](#)

Division Hand and Upper Extremity

Center/Program Affiliation [UC Davis Children's Hospital](#)

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Mary Claire Manske, M.D.

Additional Phone Physician Referrals: 800-4-UCDAVIS (800-482-3284)

Education M.D., Washington University School of Medicine, St. Louis MO 2015
M.S., UC Davis, Sacramento CA 2020
B.A., Dartmouth College, Hanover NH 2003

Residency Orthopedic Surgery, Washington University School of Medicine, St. Louis MO 2010-2015

Fellowships Pediatric Hand Surgery, Shriners Hospital for Children, Northern California, Sacramento CA 2016-2017

Board Certifications American Board of Orthopaedic Surgery

Professional Memberships American Association of Orthopaedic Surgeons
American Society for Surgery of the Hand
Pediatric Hand Study Group
Pediatric Orthopaedic Society of North America

Honors and Awards ASSH Young Leadership Council (Opioid work group), 2017
ASSH/AFSH Annual Meeting Residents and Fellows Scholarship, 2014
Best Poster in the Foot and Ankle classification, 2014
American Academy of Orthopaedic Surgeon Annual Meeting, New Orleans, LA, 2014
Phi Beta Kappa Academic Honors Society, 2003

Select Recent Publications Manske MC, Abarca N, Letzelter JP, James MA. Patient Reported Outcomes Measurement Information System (PROMIS) Scores for Children with Brachial Plexus Birth Injury. Accepted Journal of Pediatric Orthopedics.

James MA, Millar KL, Manske MC, Van Heest A. Posterior Elbow Capsulotomy and Triceps Length-ening for Elbow Extension Contracture in Children with Arthrogryposis Multiplex Congenita. Journal of Bone and Joint Surgery Essential Surgical Techniques. 2020;10(1):e0030.

Manske MC, Kalish L, Cornwall RC, Peljovich A, Bauer AS, the TOBI study group. Reconstruction of the Suprascapular Nerve in Brachial Plexus Birth Injury: A Comparison of Nerve Grafting and Nerve Transfers. J Bone Joint Surg Am. 2020;102(4):298-308.



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Oishi S, Agranovich O, Zlotolow D, Wall L, Stutz C, Pajardi G, Novelli C, Ghani HA, Jester A, Vuillermin C, James M, Manske MC, Beckwith T. Treatment and outcomes of arthrogryposis in the upper extremity. *Am J Med Genet.* 2019;1-9.

Manske MC, Bauer AS, Hentz VR, James MA. Long-term Outcomes of Brachial Plexus Reconstruction with Sural Nerve Autograft in Infants with Brachial Plexus Birth Injury. *Plastic and Reconstructive Surgery.* 2019 May;143(5):1017-1026.

Manske MC, Ko JH. Ulnar Tunnel Syndrome. *Operative Techniques in Plastic Surgery.* Ed. Kevin Chung. Philadelphia: Wolters Kluwer. 2019 May.

Manske MC, Ko JH. Cubital Tunnel Syndrome. *Operative Techniques in Plastic Surgery.* Ed. Kevin Chung. Philadelphia: Wolters Kluwer. 2019 May.

Manske MC, Huang JI. The Quantitative Anatomy of the Dorsal Scapholunate Interosseous Ligament. *Hand (NY).* 2019 Jan;14(1):80-85.

Manske MC, Kennedy CD, Huang JI. "Classifications in Brief: The Wassel Classification for Radial Polydactyly." *Clin Orthop Relat Res.* 2017 Jun; 475(6):1740-1746.

Manske MC. Principles of Tendon Repair. *Chapman's Comprehensive Orthopaedic Surgery.* Ed. Michelle James, Michael Chapman. JP Brothers Medical Publishers. February 2019.

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