Christopher David Kreulen, M.D., M.S.

Philosophy of Care
I aim to restore my patients to their desired level of activity by integrating rehabilitative and operative interventions. I encourage my patients to keep their muscles strong, watch what they eat, and stay active.

Clinical Interests
Dr. Kreulen's clinical interests include: treating sports related injuries, arthroscopies of the ankle, reconstruction of the foot, and ankle, advanced techniques in the management of large bone defects and limb salvage.

Research/Academic Interests
Dr. Kreulen's research includes cartilage transplantation and treatment of osteochondral defects, use of orthobiologics in fusions, three-dimensional printing in limb salvage, advanced treatment of syndesmotic injuries.

Title
Associate Professor, Department of Orthopaedic Surgery

Specialty
Orthopaedic Surgery - Adult Foot and Ankle Surgery, Sports Medicine

Department
Orthopaedic Surgery

Division
Orthopaedic Surgery - Sports Medicine
Foot and Ankle Surgery

Center/Program Affiliation
Sports Medicine Program

Address/Phone
Cannery Building, Sports Medicine, 3301 C St. Suite 1700 Sacramento, CA 95816
Phone: 916-734-6805

Additional Phone
Clinic Phone: 916-734-6805
Clinic Fax: 916-734-6806
Physician Referrals: 800-4-UCDAVIS (800-482-3284)

Education
M.D., Wayne State University School of Medicine, Detroit MI 2005
M.S., University of Arizona, Tucson AZ 2000
B.S., Calvin College, Grand Rapids MI 1998

Internships
Orthopaedic Surgery, Wayne State University/Detroit Medical School, Detroit MI 2005-2006

Residency
Orthopaedic Surgery, UC Davis Medical Center, Sacramento CA 2006-2010

Fellowships
Foot and Ankle Surgery, St. Vincent's and North Shore Private Hospital, Sydney, Australia 2011-2012
Orthopaedic Sports Medicine, UCLA, Los Angeles CA 2010-2011

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Board Certifications

American Board of Orthopaedic Surgery

Professional Memberships

American Association of Orthopaedic Surgeons
American Orthopaedic Foot and Ankle Society
Arthroscopy Association of North America
Western Orthopaedic Association

Honors and Awards

Cartilage Research Award, 12th International Sports Medicine Fellows Conference, 2012
Academic Honors Award, Wayne State University, School of Medicine, 2002

Select Recent Publications

Sarcon A, Kreulen C, Coetzee JC, Neufeld S, Berlet G, Dowd T, Ryan P, Robbins J, Neher R, Boukhemis K, Schon L, Giza E. Treatment of osteochondral lesions in the ankle with a particulated juvenile cartilage allograft: Four-year outcomes. Int J Orth. 2022;9(2):1641-47.

Carreira DS, Shaw DB, Harris TG, McCullough KA, Kreulen CD, Martin R, Acevedo JI. Osteochondral and Ligament Injury Patterns in Ankle Fractures: A Prospective Multi-Center Study. Foot Ankle Orthop. 2022 Apr 9;7(2):2473011421S00523. doi:10.1177 /2473011421S00523.

Jawad MU, Farhan SB, Haffner MR, Kreulen CD, Giza E, Thorpe SW, Randall RL. Malignant neoplasms originating from the bones of the foot: Predilection of hematological malignancies and sex-related and ethnic disparities in amputation. J Surg Oncol. 2021 Dec;124(8):1468-1476. doi: 10.1002/jso.26633. Epub 2021 Aug 5. PMID:34351631.

Fogleman JA, Kreulen CD, Sarcon AK, Michelier PV, Giza E, Doty JF. Augmented Spring Ligament Repair in Pes Planovalgus Reconstruction. J Foot Ankle Surg. 2021 Nov-Dec;60(6):1212-1216. doi: 10.1053/j.jfas.2021.05.010. Epub 2021 Jun 2. PMID:34187718.

Delman C, White C, Natsuhara K, Kreulen C, Giza E. Treatment of Osteochondral Lesions of the Talus With Matrix-induced Autologous Chondrocyte Implantation (MACI). Tech Foot Ankle Surg. 2020 Dec;19(4):184-189. doi:10.1097/BTF.0000000000000276.

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Kwon JY, Stenquist D, Ye M, Williams C, Giza E, Kadakia AR, Kreulen C. Anterior Syndesmotic Augmentation Technique Using Nonabsorbable Suture-Tape for Acute and Chronic Syndesmotic Instability. Foot Ankle Int. 2020 Oct;41(10):1307-1315. doi:10.1177/1071100720951172. Epub 2020 Sep 11. PMID:32916075.

Giza E, Oliver T, Barousse P, Allen T, Shelton T, Sarcon A, Sathy A, Maroto AR, Garras DN, Faerber W, Lin J, Stannard JP, Crist BD, Della Rocca GJ, Fiala K, Summerhays B, Volgas DA, Ronan J, Vogt M, Jones V, Fech J, Briggs E, Kreulen C. A Prospective Randomized Investigation Comparing Functional Outcomes of Syndesmotic Suture-Button Fixation to Screws. International J Orthopaedics. 2020 Sep;7(4):1322-1328. doi:10.17554/j.issn.2311-5106.2019.07.363.

Cassinelli SJ, Harris TG, Giza E, Kreulen C, Matheny LM, Robbins CM, Clanton TO. Use of Anatomical Landmarks in Ankle Arthroscopy to Determine Accuracy of Syndesmotic Reduction: A Cadaveric Study. Foot Ankle Spec. 2020 Jun;13(3):219-227. doi:10.1177/1938640019846972. Epub 2019 May 21. PMID:31113242.

Acevedo JI, Kreulen C, Cedeno AA, Baumfeld D, Nery C, Mangone PG. Technique for Arthroscopic Deltoid Ligament Repair With Description of Safe Zones. Foot Ankle Int. 2020 May;41(5):605-611. doi:10.1177/1071100720909138. Epub 2020 Feb 26. PMID:32100553.

Hopkins J, Nguyen K, Heyrani N, Shelton T, Kreulen C, Garcia-Nolen T, Christiansen BA, Giza E. InternalBrace has biomechanical properties comparable to suture button but less rigid than screw in ligamentous lisfranc model. J Orthop. 2019 Jun 18;17:7-12. doi:10.1016/j.jor.2019.06.020. PMID:31879465.

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