



Robert Downey Boutin, M.D.

Philosophy of Care	Dr. Boutin is dedicated to excellence in diagnostic imaging – including radiography, CT, and MRI. He collaborates closely with physicians in other departments, including in orthopaedic sports medicine and oncology.
Clinical Interests	Dr. Boutin's clinical interests include: advanced musculoskeletal imaging, with an emphasis on orthopaedic applications of MRI.
Research/Academic Interests	Dr. Boutin's research interests focus on diagnostic imaging of muscle, tendon, and osteoarticular structures.
Title	Chief of Musculoskeletal Imaging Clinical Professor
Specialty	Radiology - Musculoskeletal Radiology
Department	Radiology
Division	Musculoskeletal Radiology
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Education	M.D., UC Davis School of Medicine, Sacramento CA 1991 M.Sc., Biological Sciences, Stanford University, Stanford CA 1986 B.S., Stanford University, Stanford CA 1986
Residency	Radiology, University of New Mexico, Albuquerque NM 1991-1995
Fellowships	Radiology, UC San Diego, San Diego CA 1995-1996
Board Certifications	American Board of Radiology, 1995
Professional Memberships	American College of Radiology American Roentgen Ray Society Association of University Radiologists International Skeletal Society Radiological Society of North America



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Honors and Awards

Society of Academic Bone Radiologists

Society of Skeletal Radiology

Patrick T. Liu Innovation Research Award, Society of Skeletal Radiology; New Orleans, LA., 2016

Research Award, Society of Skeletal Radiology; Scottsdale, AZ., 2015

Magna Cum Laude Award, Education Exhibit, Radiological Society of North America Annual Meeting; Chicago, IL., 2015

Fellow Research Award for Outstanding Performance in Research, University of California, Davis, Department of Orthopaedic Surgery., 2015

Senior Faculty Teaching Award, University of California, Davis Radiology Residents., 2013

Certificate of Merit, Education Exhibit, Radiological Society of North America Annual Meeting; Chicago, IL., 2013

Cum Laude Award, Education Exhibit, Radiological Society of North America Annual Meeting; Chicago, IL., 2013

Fellow Research Award for Outstanding Performance in Research, University of California, Davis, Department of Orthopaedic Surgery., 2013

Select Recent Publications

Borgese M, Boutin RD, Bayne CO, Szabo RM, Chaudhari AJ. Association of lunate morphology, sex, and lunotriquetral interosseous ligament injury with radiologic measurement of the capitatriquetrum joint. *Skeletal Radiol.* 2017 Dec;46(12):1729-1737.

Fritz RC, Boutin RD. Musculotendinous Disorders in the Upper Extremity: Part 2. MRI of the Elbow, Forearm, Wrist, and Hand. *Semin Musculoskelet Radiol.* 2017 Sep;21(4):376-391.

Fritz RC, Boutin RD. Musculotendinous Disorders in the Upper Extremity: Part 1. MRI of the Shoulder and Upper Arm. *Semin Musculoskelet Radiol.* 2017 Sep;21(4):359-375.

Boutin RD, Bamrungchart S, Bateni CP, Beavers DP, Beavers KM, Meehan JP, Lenchik L. CT of Patients With Hip Fracture: Muscle Size and Attenuation Help Predict Mortality. *AJR Am J Roentgenol.* 2017 Jun;208(6):W208-W215.



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Boutin RD, Netto AP, Nakamura D, Bateni C, Szabo RM, Cronan M, Foster B, Barfield WR, Seibert JA, Chaudhari AJ. 'Knuckle Cracking': Can Blinded Observers Detect Changes with Physical Examination and Sonography? Clin Orthop Relat Res. 2017 Apr;475(4):1265-1271.

Boutin RD, Kaptuch JM, Bateni CP, Chalfant JS, Yao L. Influence of IV Contrast Administration on CT Measures of Muscle and Bone Attenuation: Implications for Sarcopenia and Osteoporosis Evaluation. AJR Am J Roentgenol. 2016 Nov;207(5):1046-1054.

Boutin RD, White LM, Laor T, Spitz DJ, Lopez-Ben RR, Stevens KJ, Bredella MA. MRI findings of serous atrophy of bone marrow and associated complications. Eur Radiol. 2015 Sep;25(9):2771-8.

Boutin RD, Yao L, Canter RJ, Lenchik L. Sarcopenia: Current Concepts and Imaging Implications. AJR Am J Roentgenol. 2015 Sep;205(3):W255-66.

Boutin RD, Chang J, Bateni C, Giza E, Wisner ER, Yao L. The Notch of Harty (Pseudodeflect of the Tibial Plafond): Frequency and Characteristic Findings at MRI of the Ankle. AJR Am J Roentgenol. 2015 Aug;205(2):358-63.

Boutin RD, Fritz RC, Marder RA. Magnetic resonance imaging of the postoperative meniscus: resection, repair, and replacement. Magn Reson Imaging Clin N Am. 2014 Nov;22(4):517-55.

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