



Robert Downey Boutin, M.D.

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	Clinical Professor
Specialty	Radiology , 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 Roentgen Ray Society International Skeletal Society Radiological Society of North America Society of Academic Bone Radiologists Society of Skeletal Radiology
Honors and Awards	Patrick T. Liu Innovation Research Award, Society of Skeletal Radiology; New Orleans, LA., 2016 Research Award, Society of Skeletal Radiology; Scottsdale, AZ., 2015



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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

Boutin RD, Bindra J, Canter R. Imaging of Soft-tissue Tumors. In: Chapman MW, James M, eds. Chapman's Comprehensive Orthopaedic Surgery. 4th ed. Philadelphia, PA: Jaypee Medical Publishing, 2016.

Boutin RD, Bindra J. Imaging of Bone Tumors. In: Chapman MW, James M, eds. Chapman's Comprehensive Orthopaedic Surgery. 4th ed. Philadelphia, PA: Jaypee Medical Publishing, 2016.

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.

Boutin RD, Chang J, Bateni C, Giza E, Wisner ER, Yao L. The Notch of Hartly (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, Yao L, Canter RJ, Lenchik L. Sarcopenia: Current Concepts and Imaging Implications. AJR Am J Roentgenol. 2015 Sep;205(3):W255-66.

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Canter RJ, Borys D, Olusanya A, Li C, Lee L, Boutin RD, Christensen SD, Tamurian RM, Monjaze AM. Phase I Trial of Neoadjuvant Conformal Radiotherapy Plus Sorafenib for Patients with Locally Advanced Soft Tissue Sarcoma of the Extremity. *Ann Surg Oncol.* 2014; 21(5):1616-23.

Boutin RD, Kaptuch JM, Bateni CP, Chalfant JS, Yao L. Influence of Intravenous Contrast Administration on CT Measures of Muscle and Bone Attenuation: Implications for Sarcopenia and Osteoporosis Evaluation. *AJR Am J Roentgenol.* 2016.

Yao L, Gai N, Boutin RD. Axial Scan Orientation and the Tibial Tubercle-Trochlear Groove Distance: Error Analysis and Correction. *AJR Am J Roentgenol.* 2014; 202(6):1291-6.

Boutin RD, Buonocore MH, Immerman I, Ashwell Z, Sonico GJ, Szabo RM, Chaudhari AJ. Real-Time Magnetic Resonance Imaging (MRI) During Active Wrist Motion - Initial Observations. *PLOS ONE.* 2013; DOI: 10.1371/journal.pone.0084004.

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