

DUNCAN CHRISTOPHER RAMSEY, MD, MPH, MS

ACADEMIC APPOINTMENTS

Assistant Professor of Orthopaedic Surgery 2022 - Present
Oregon Health & Science University (Portland, OR)

Assistant Professor of Orthopaedic Surgery 2021 - 2022
University of Texas Rio Grande Valley (Harlingen, TX)

EDUCATION

Fellowship, Musculoskeletal Oncology 2021
Massachusetts General Hospital (Boston, MA)

Residency, Orthopaedic Surgery 2020
Oregon Health & Science University (Portland, OR)

Doctor of Medicine 2015
The University of Texas School of Medicine at San Antonio (San Antonio, TX)

Master of Public Health 2015
The University of Texas School of Public Health at Houston (Houston, TX)

Master of Science, Mathematics 2009
George Mason University (Fairfax, VA)

Bachelor of Arts, Mathematics 2004
Reed College (Portland, OR)

RESEARCH AND TEACHING

Research Scientist 2010 - 2011
NeuroTexas Institute at St. David's (Austin, TX)
Analysis of stroke outcomes, network theory, and cancer genetics for the research division of a neurosurgery group at St. David's Hospital.

Research Engineering Scientist Associate 2009 - 2010
University of Texas (Austin, TX)
Mathematical modeling of molecular protein evolution for a laboratory in the Department of Integrative Biology at the University of Texas.

Adjunct Professor 2008 - 2009
Northern Virginia Community College (Annandale, VA)

Graduate Research and Teaching Assistant 2006 - 2008

George Mason University (Fairfax, VA)

PUBLICATIONS AND PAPERS

Ramsey DC, Fourman MS, Berner EA, Werenski J, Sodhi A, Heng M, Newman ET, Raskin KA, Valerio I, Eberlin KR, Lozano-Calderon S. What are the Surgical Complications, Patient-reported Outcomes, and Ambulatory Capabilities of Patients After Tibial Turn-up-plasty? *Clinical Orthopaedics and Related Research*. Accepted.

Adams JP, Habenicht D, Ramsey D. Periprosthetic knee infection after benign tumor excision complicated by carbapenem resistant Enterobacteriaceae: A case report. *Annals of Medicine and Surgery*. 2022 Sep 1;81:104292.

Ramsey DC, Walker JR, Wetzel R, Gundle KR, Hayden JB, Doung YC. Is the Addition of Anaerobic Coverage to Perioperative Antibiotic Prophylaxis During Soft Tissue Sarcoma Resection Associated With a Reduction in the Proportion of Wound Complications? *Clinical Orthopaedics and Related Research*. 2022 May 10:10-97.

Fourman MS, Ramsey DC, Newman ET, Schwab JH, Chen YL, Hung YP, Chebib I, Deshpande V, Nielsen GP, DeLaney TF, Mullen JT. Assessing the safety and utility of wound VAC temporization of the sarcoma or benign aggressive tumor bed until final margins are achieved. *Annals of Surgical Oncology*. 2022 Apr;29(4):2290-8.

Fox HM, Hsue LJ, Thompson AR, Ramsey DC, Hadden RW, Mirarchi AJ, Nazir OF. Humeral shaft fractures: a cost-effectiveness analysis of operative versus nonoperative management. *Journal of Shoulder and Elbow Surgery*. In-press. Accepted 24 February 2022.

Wallenberg RB, Belzer ML, Ramsey DC, Opel DM, Berkson MD, Gundle KR, Nagy ML, Boucher RJ, McCarron JA. MRI-Based 3-D Volumetric Assessment of Fatty Infiltration and Muscle Atrophy in Rotator Cuff Tears. *Journal of Shoulder and Elbow Surgery*. 2022 Jan 31.

Fourman MS, Ramsey DC, Newman ET, Heng M, Raskin KA, Lozano-Calderon SA. Tubercl-Sparing Proximal Tibial Reconstruction in Patients with Primary and Metastatic Bone Disease: A Case Report. *JBJS Case Connector*. 2022 Jan 1;12(1):e21.

Fourman MS, Ramsey DC, Newman ET, Raskin KA, Tobert DG, Lozano-Calderon S. How I do it: Percutaneous stabilization of symptomatic sacral and periacetabular metastatic lesions with photodynamic nails. *Journal of Surgical Oncology*. 2021 Jul 22.

Fourman MS, Ramsey DC, Kleiner J, Daud A, Newman ET, Schwab JH, Chen YL, DeLaney TF, Mullen JT, Raskin KA, Lozano-Calderon SA. Temporizing Wound VAC Dressing Until Final Negative Margins are Achieved Reduces Myxofibrosarcoma Local Recurrence. *Annals of Surgical Oncology*. 2021 Jun 18:1-6.

Fourman MS, Ramsey DC, Karhade AV, Schwab JH, Vickers AJ. Applying decision curve analysis to spine surgery. *Seminars in Spine Surgery* 2021 Apr 24 (p. 100873).

Hanna SM, Ramsey DC, Doung YC, Hayden JB, Thompson RF, Summers AR, Gundle KR. Utility of the Current Procedural Terminology Codes for Prophylactic Stabilization for Defining Metastatic Femur Disease. *JAAOS Global Research & Reviews*. 2020 Dec 1;4(12):e20.

Ramsey DC, Lawson MM, Stuart A, Sodders E, Working ZM. Orthopaedic Care of the Transgender Patient. *JBJS*. 2020 Nov 26:10-2106.

Fox HM, Ramsey DC, Thompson AR, Hoekstra CJ, Mirarchi AJ, Nazir OF. Neer Type-II Distal Clavicle Fractures: A Cost-Effectiveness Analysis of Fixation Techniques. *JBJS*. 2020 Feb 5;102(3):254-61.

Ramsey DC, Lam PW, Hayden J, Doung YC, Gundle KR. Mirels Scores in Patients Undergoing Prophylactic Stabilization for Femoral Metastatic Bone Disease in the Veterans Administration Healthcare System. *JAAOS Global Research & Reviews*. 2020 Sep 1;4(9):e20.

Langston JR, Ramsey DC, Skoglund K, Schabel K. Angiotensin II blockade had no effect on range of motion after total knee arthroplasty: a retrospective review. *Journal of orthopaedic surgery and research*, 15(48),1-6; 2020. doi: 10.1186/s13018-020-1555-5

Ramsey DC, Jones RA, Weiss JK, Hayden W, Hayden J, Barnes P, Doung YC. Identification of infectious species after resection of soft-tissue sarcomas. *Journal of surgical oncology*. 2019 Jun;119(7):836-42.

Ramsey DC, Laursen RK, Meeker J, Yoo B. Calcaneal tuberosity fractures through prior Schantz pin sites in patients with diabetic neuropathy. *The Foot*. 2019 Jun 1;39:96-9.

Ramsey DC, Thompson AR, Nazir OF, Mirarchi AJ. A novel technique for olecranon osteotomy in the treatment of distal humerus fractures. *Journal of Shoulder and Elbow Surgery Open Access*; 2018. doi: 10.1016/j.jses.2018.09.001

Ramsey DC, Friess DM. Cost-effectiveness analysis of syndesmotic screw versus suture button fixation in tibiofibular syndesmotic injuries. *Journal of orthopaedic trauma*. 2018 Jun 1;32(6):e198-203.

Ramsey DC, Burnett MG, Cowperthwaite MC. Quantifying the contribution of risk factors for ischemic stroke in patients with a history of TIA. *ISRN Stroke*, 2012.

Ramsey DC, Scherrer MP, Zhou T, Wilke CO. The relationship between relative solvent accessibility and evolutionary rate in protein evolution. *Genetics*, 188(2), 479-488; 2011.

Ramsey DC, Perkinson D. Multi-cyclic polytopes [Senior thesis]. Portland (OR): Reed College, Portland; 2004.

BOOK CHAPTERS

Ramsey DC, Gundle KR (2020) Advances in the Functional Assessment of Patients with Sarcoma. In: Kleinerman E., Gorlick R. (eds) Current Advances in Osteosarcoma. Advances in Experimental Medicine and Biology, vol 1257. Springer, Cham

PRESENTATIONS AND ABSTRACTS

Ramsey DC, Walker JR, Wetzel R, Gundle KR, Hayden JB, Doung YC. The addition of anaerobic coverage to perioperative antibiotic prophylaxis during soft tissue sarcoma resection decreases the rate of wound complications. Musculoskeletal tumor Society Annual Meeting; 2021, October. Baltimore, MD.

Lawson MM, Stuart A, Thompson AR, Ramsey K, Friess DM, Working ZM. Extreme Diabetic Neglect is no Worse than Poor Diabetic Control in Extremity Fracture Patients. Western Orthopaedic Association, Annual Meeting, August 4th - 7th, 2021.

Hanna S, Philipp T, Ramsey DC, Doung YC, Hayden JB, Gundle KR. Utility of Current Procedural Terminology Codes for Prophylactic Stabilization for Defining Metastatic Femur Disease. AAOS Annual Meeting: Orlando, March 27, 2020.

Ramsey DC, Thompson AR, Nazir OF, Mirarchi AJ. A novel technique for olecranon osteotomy in the treatment of distal humerus fractures. Presented at the Annual Meeting of the Western Orthopaedics Association; 2018, August. Snowmass, CO.

Ramsey DC, Friess DJ. Cost-effectiveness analysis of syndesmotic screw versus suture button fixation in tibiofibular syndesmotic injuries. Presented at the Annual Meeting of the Western Orthopaedics Association; 2018, August. Snowmass, CO.

POSTERS

Hadden R, Degener-O'Brien K, Ramsey DC, Thompson A, Friess D, Mirarchi A, Working Z. Gigli Saw Olecranon Osteotomy for Distal Humerus Fractures: A Cutting-Edge Technique. American Society for Surgery of the Hand 75th Annual Meeting; San Antonio, TX; October 2020.

Fox HM, Ramsey DC, Thompson AR, Hoekstra CJ, Mirarchi AJ, Nazir OF. Neer Type II Distal Clavicle Fractures: A Cost-Effectiveness Analysis of Fixation Techniques. AAOS Annual Meeting; Orlando, FL. March 2020.

Hanna S, Philipp T, Ramsey DC, Summers A, Hayden JB, Doung YC, Gundle KR. Does Healthcare Delivery Model Affect Rates of Postoperative Radiation Referral in Metastatic Bone Disease Following Femoral Stabilization or Fixation? Musculoskeletal Tumor Society Annual Meeting; October 2019. Portland, OR.

Hanna S, Philipp T, Ramsey DC, Summers A, Hayden JB, Doung YC, Gundle KR. Utility of Current Procedural Terminology Codes in Defining a Cohort with Metastatic Bone Disease. Musculoskeletal Tumor Society Annual Meeting; October 2019. Portland, OR.

Ramsey DC, Weiss JK, Hayden W, Hayden JB, Barnes P, Doung YC. Bacterial speciation of infections after resection of soft tissue sarcomas. Presented at the Annual Meeting of the Musculoskeletal Tumor Society; October 2018. New York, NY. Winner of 3rd place best paper award.

Ramsey DC, Lam P, Hayden JB, Doung YC, Gundle K. What are the Mirels scores in patients undergoing prophylactic fixation for metastatic bone disease in the Veterans Healthcare

Administration System. Presented at the Annual Meeting of the Musculoskeletal Tumor Society; October 2018. New York, NY.

Ramsey DC, Thompson AR, Nazir OF, Mirarchi AJ. A novel technique for olecranon osteotomy in the treatment of distal humerus fractures. Presented at the Annual Meeting of the American Society for Surgery of the Hand; September 2018. Boston, MA.

Laursen RK, Ramsey DC, Meeker JE, Yoo BJ. Calcaneal tuberosity fractures through prior Schanz pin sites in patients with diabetic neuropathy. Presented at the Annual Meeting of the Western Orthopaedics Association; August 2018. Snowmass, CO.

Ramsey DC, Haag C, Gundle K. 3D printing for soft tissue sarcomas: A preliminary report. Presented at Oregon Health and Science University Research Week; May 2018. Portland, OR.

Ramsey DC, Friess DJ. Cost-effectiveness analysis of syndesmotic screw versus suture button fixation in tibiofibular syndesmotic injuries. Presented at the Annual Meeting of the American Academy of Orthopedic Surgeons; March 2017. San Diego, CA.

Ramsey DC, Manoharan MS, Castiblanco JE, Ahuja SK. Using RNA-seq to examine T-cell activation in humans and chimpanzees. Presented at Medical Students Research Day at the University of Texas Health Science Center, San Antonio; November 2012. San Antonio, TX.

Ramsey DC, Burnett MG, Cowperthwaite MC. Quantifying the contribution of risk factors for ischaemic stroke in patients with a history of TIA. Presented at the 2012 International Stroke Conference and Nursing Symposium; February 2012. New Orleans, Louisiana

Ramsey DC, Westerman S, Scott J, Cowperthwaite MC. A regression-based graph-theoretic model of disease comorbidity. Presented at the First Annual Austin Translational Neuroscience Symposium at St. David's NeuroTexas Institute; April 2011. Austin, TX.

LEADERSHIP

Resident Lead and Research Advisor, Orthopaedic Surgery Interest Group, Oregon Health & Science University (Portland, OR)	2017 – Present
Housestaff Quality and Safety Council, Oregon Health & Science University (Portland, OR)	2017 – Present
Education Committee, Dept of Orthopaedics and Rehabilitation, Oregon Health & Science University (Portland, OR)	2015 – Present
Board Member and Treasurer, Austin Harm Reduction Coalition (Austin, TX)	2009 – 2011

AWARDS AND DISTINCTIONS

OHSU Department of Orthopaedics & Rehabilitation Research Award	2020
OHSU Department of Orthopaedics & Rehabilitation Grantsmanship Groundwork Award	2019
Pipeline for Research in Orthopaedics by Collaborative Trainees in Oregon (PROCTOR) Grant	2018
Alex and Sally Halford Endowed Scholarship	2014
2 nd Place, Holt Bioethics Essay Contest	2014

Sjoerd Steunebrink Scholarship	2013
Eagle Scout	1999

MEMBERSHIPS

American Academy of Orthopaedic Surgeons	2015 – Present
Western Orthopedics Association	2017 – Present

LANGUAGES

English – native language
Spanish – speak/read/write with fair proficiency