

Curriculum Vitae

Steven W. Thorpe, MD, FACS, FAOA

Associate Professor, Orthopaedic Surgical Oncology
Chief, Musculoskeletal Oncology
Department of Orthopedic Surgery
University of Colorado Sarcoma Program
Children's Hospital Colorado
University of Colorado Hospital



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Education

United States Air Force Academy
Bachelor of Science, Biochemistry: 1999 - 2003

Vanderbilt University School of Medicine
Doctor of Medicine: 2003 - 2007

Post Graduate Education and Training

University of Pittsburgh Medical Center
Orthopaedic Surgery Residency: 2007 – 2012

The University of Texas MD Anderson Cancer Center
Musculoskeletal Oncology Fellowship: 2015 - 2016

Board Certification

American Board of Orthopaedic Surgeons
Year issued: 2014; Active

Medical Licensures - Current

Colorado state medical license Year issued: 2024; Active	Active Telehealth Medical Licensures: Year issued: 2025; Arizona, Kansas,
California state medical license Year issued: 2016; Active	Montana, Nebraska, North Dakota,
Nevada state medical license Year issued: 2021; Active	Oklahoma, South Dakota, Texas, Utah, Wyoming
	Year issued: 2026; New Mexico

Military Service

Lt Colonel, United States Air Force
Travis Air Force Base, California: August 2016 – May 2024
Nellis Air Force Base, Nevada: August 2012 – June 2015
Deployments: April - October 2013; January – April 2019; July – Aug 2022

Appointments

Associate Professor – Surgical Oncology (Surgery) University of Colorado (April 1, 2025-Present)

Clinical Member – The University of Colorado Cancer Center, CU Anschutz Medical Campus (March 7, 2025 – Present)

Associate Professor – Department of Orthopaedic Surgery, University of Colorado, (June 1, 2024 - Present)

Chief – Musculoskeletal Oncology, Department of Orthopaedic Surgery, University of Colorado, (June 1, 2024 - Present)

Associate Professor – Department of Orthopaedic Surgery, University of California, Davis (July 1, 2022 – May 2024)

Section Chief – Sarcoma Services, MSK Section, University of California, Davis (September 1, 2018 – May 2024)

Associate Residency Program Director/Residency Selection Director – Department of Orthopaedic Surgery, University of California, Davis (April 1, 2018 – May 2024)

Assistant Professor – Department of Orthopaedic Surgery, University of California, Davis (September 1, 2016 – June 30, 2022)

Professional Society Memberships

Fellow: American Orthopaedic Association (AOA)

Fellow: American College of Surgeons (ACS)

Fellow: American Academy of Orthopaedic Surgeons (AAOS)

Fellow: Society of Surgical Oncology (SSO)

Member: Musculoskeletal Tumor Society (MSTS)

Member: Connective Tissue Oncology Society (CTOS)

Member: Children's Oncology Group (COG)

Member: Society of Military Orthopaedic Surgeons (SOMOS)

Member: International Society of Limb Salvage (ISOLS)

Member: Orthopaedic Research Society (ORS)

Member: Western Orthopedic Association (WOA)

Honors and Awards

Musculoskeletal Tumor Society Mentored Research Award/Grant 2022 – 2023

Sacramento Magazine Top Docs 2021 & 2022

Diamond Doc Award UC Davis Medical Center, August 2021

Senior author on 2nd place poster at MSTs annual meeting 2019, Portland, OR: “CD44 and ALDH1 Predict Oncologic Outcomes in Osteosarcoma”

Outstanding Graduating Cadet in Chemistry: United States Air Force Academy

Distinguished Graduate: United States Air Force Academy

Grants and Contracts [3]

1. Principle Investigator (University of Colorado), Proximal Femur Reconstruction or Internal Fixation for Metastases (PERFORM) Randomized Controlled Trial, (12/9/2025-Present)
2. Principle Investigator (UCD Site), Surveillance After Extremity Tumor Surgery (SAFETY) Pilot Randomized Controlled Trial, McMaster University (2/17/2020 – 5/9/2024)
3. Interrogating the downstream effect of macrophage polarization in the osteosarcoma tumor microenvironment on alveolar tissue resident macrophages, Musculoskeletal Tumor Society Mentored Research Award (5/1/2022 – 5/9/2024)

Professional Academic Work

Moderator – Rapid Fire Session, Western Orthopaedic Association (WOA) 90th Annual Meeting, Colorado Springs, CO August 2026

Co-Chair Rocky Mountain Sarcoma Symposium, (Inaugural April 2025; 2026)

Lecturer – “Soft Tissue Sarcomas” UT MD Anderson Musculoskeletal Pathology Review Conference, October 2024

Panelist – “Neoadjuvant Chemotherapy for Soft Tissue Sarcoma: A Patient-Centric Approach” – Society of Surgical Oncology annual meeting, March 2023, Boston

Invited Faculty, MD Anderson Cancer Center Musculoskeletal Pathology Course, 2016 - present

Moderator – Tumor sessions at SOMOS annual meeting, December 2022

Panel Member – NCCN Bone Cancer Guidelines, 2022 - Current

Guideline Development Group Member - Management of Metastatic Disease of the Humerus, Musculoskeletal Tumor Society, (2022), guideline adopted by MSTs, April 2023

Guest Co-Editor – *Cancers* Special Issue: Surgical Resection and the Multi-Disciplinary Management of Soft Tissue Sarcomas

Presenter – Superficial Spreading Malignancies MSTs Webinar, November 2020: “The Management of Superficial Soft Tissue Sarcoma” also on VUMEDI

Reviewer for Journal of Surgical Oncology, November 2017 – Present

Reviewer for Journal of American Association of Orthopaedic Surgeons, December 2018 – Present

Discussant for Osteosarcoma section of CTOS annual meeting 2019, Tokyo, Japan

Moderator for Soft Tissue Sarcoma section at MSTs annual meeting 2019, Portland

Administrative Service

2026 – present	Cancer Center Clinical Leadership Strategy Council - Member
2026 – 2029	AAOS Fundamentals Evaluation Committee – Appointed Member, Oncology
2024 – present	MSTs Nominating Committee Member-at-Large
2024 – present	MSTs Annual Meeting Planning Committee
2023 – present	Panel member on DOD Rare Cancers Research Program
2022	Adult Reconstruction Orthopaedic Surgery Search Committee – UC Davis
2022	Pediatric Oncology Solid Tumor Search Committee – UC Davis
2022	Orthopaedic Element Chief, Health Engagement Assistance Response Team (HEART) 2022 in Honduras and Guatemala
2021 – 2023	Member Sarcoma Disease Site Work Group for Society of Surgical Oncology
2021 – present	Dissertation Committee for PhD, DVM student Katherine Griffin
2021	Pediatric Orthopaedic Search Committee – UC Davis
2019 – 2021	MSTs representative to ASTRO Guideline on Radiation Therapy for Soft-Tissue Sarcoma
2018	MSK Radiology Search Committee – UC Davis
2018 – 2021	MSTs Evidence Based Medicine Committee
2018 – 2021	AAOS Musculoskeletal Oncology Content Committee
2017 – 2021	Tumor Instructional Course Committee – Critical Evaluator for the AAOS
2013	Leader of an Air Force Mobile Field Surgical Team
2011 – 2012	Co-Chief Orthopaedic Resident: University of Pittsburgh Medical Center

PUBLICATIONS

Peer-Reviewed Publications [55]

1. Immunotherapy in the Treatment of Soft Tissue Sarcoma Since SARC028: An NCDB Analysis. Dumont GS, Gratny HL, Keeter C, Wilky BA, Lanning R, Donaldson NJ, **Thorpe SW**. J Surg Oncol. 2026 Aug 12. doi: 10.1002/jso.70371. Online ahead of print. PMID: 42590831
2. Lammers ML, Sholevar CJ, Karimzadeh M, Razmara AM, Cruz SM, Purl MC, Liu NM, Bakke D, Plagens RN, Elliott A, Sheng MK, Dongen CV, Tran T, Trinh AT, Nielsen RN, Kotamraju T, Farley LE, Iranpur KR, Mukarrama T, Gronchi A, Riedel RF, Monjazebe AM, **Thorpe SW**, Darrow MA, Kim J, Murphy WJ, Judge SJ, Canter RJ. Intratumoral TIGIT blockade augments antitumor responses and bypasses increased functionality of peripheral TIGIT+ NK cells in mouse and human models of bone and soft tissue sarcoma. J Immunother Cancer. 2026 Jul

- 22;14(7):e013597. doi: 10.1136/jitc-2025-013597. PMID: 42486610; PMCID: PMC13404423.
3. Krajewski KT, Rogers N, Lundin MA, Rogers A, Kanai S, Moore L, **Thorpe SW**, Carollo JJ, Carry PM, Howell DR, Sepp LA, Silverman AK, Donaldson NJ. Examining muscle synergy composition and segmental coordination during overground walking in individuals with a rotationplasty about the knee. *Sci Rep*. 2025 Jul 24;15(1):26891. doi: 10.1038/s41598-025-11800-6. PMID: 40707552; PMCID: PMC12289981.
 4. Bone Cancer, Version 2.2025, NCCN Clinical Practice Guidelines In Oncology. Biermann JS, Hirbe A, Ahlawat S, Bernthal NM, Binitie O, Boles S, Brigman B, Callan AK, Cipriano C, Cranmer LD, Davis J, Donnelly E, Ferguson M, Graham A, Groundland J, Hess M, Hiniker SM, Hoover-Regan ML, Hornick JL, Jonard B, Kuechle JB, Lindskog D, Mayerson JL, McGarry SV, Morris CD, Olson D, Rose PS, Santana VM, Satcher RL, Schwartz H, Shulman RM, **Thorpe SW**, Wilky BA, Wustrack RL, Yoon J, Hang LE, Jones F, Sansone N, Lyons M.J *Natl Compr Canc Netw*. 2025 Apr;23(4):e250017. doi: 10.6004/jnccn.2025.0017. PMID: 40203873
 5. Musculoskeletal Tumor Society Member Survey: Intra-Operative Peripheral Margins in Soft Tissue Sarcoma. Zeitlinger L, Chavez GM, Darrow M, Canter RJ, Randall RL, **Thorpe SW**. *J Surg Oncol*. 2025 Mar;131(4):699-702. doi: 10.1002/jso.27936. Epub 2024 Nov 11. PMID: 39523920
 6. Intraoperative Peripheral Frozen Margin Assessment in Soft Tissue Sarcoma. Zeitlinger L, Chavez GM, Wilson MD, Darrow M, Canter RJ, Randall RL, **Thorpe SW**. *J Surg Oncol*. 2024 Nov 11. doi: 10.1002/jso.27935. Online ahead of print. PMID: 39523913
 7. Visceral fat area and subcutaneous fat area as measures of body composition in soft tissue sarcoma. Garibay ER, Cruz SM, Judge SJ, Monjazebe AM, **Thorpe SW**, Murphy WJ, Lyu J, Chen S, Bateni CP, Canter RJ. *J Surg Oncol*. 2024 Sep;130(3):543-551. doi: 10.1002/jso.27751. Epub 2024 Jun 21. PMID: 39402905
 8. Osteochondroma-like parosteal osteosarcoma: A case highlighting diagnostic challenge and surgical advances. Majd N, Theriault RV, Darrow MA, **Thorpe SW**, Chen DC. *Radiol Case Rep*. 2024 Jul 13;19(9):4091-4099. doi: 10.1016/j.radcr.2024.06.045. eCollection 2024 Sep. PMID: 39104452
 9. Receipt of Guideline-Concordant Care Is Associated With Improved Survival in Patients With Osteosarcoma in California: A Population-Based Analysis. Abrahão R, Keegan THM, Maguire FB, Li Q, Malogolowkin MH, Wong S, **Thorpe SW**, Carr-Asher JR, Midboe AM, Randall RL, Alvarez EM. *JCO Oncol Pract*. 2024 Aug;20(8):1064-1074. doi: 10.1200/OP.23.00591. Epub 2024 Feb 21. PMID: 38381995
 10. Simister SK, Tse S, Saade A, Sweeney CA, Wise BL, **Thorpe SW**, Randall RL. The Benefit of an Umbrella Protocol: Reducing Challenges in Orthopedic Oncology Research. *J Clin Med*. 2024 Mar 8;13(6):1551.

11. Tedesco NS, Mesko N, Wodajo F; Management of Metastatic Humeral Disease Work Group; Staff of the American Academy of Orthopaedic Surgeons and the Musculoskeletal Tumor Society; Management of Metastatic Humeral Disease Work Group and Staff of the American Academy of Orthopaedic Surgeons and the Musculoskeletal Tumor Society. The Musculoskeletal Tumor Society Clinical Practice Guideline on the Management of Metastatic Humeral Disease. *J Am Acad Orthop Surg*. 2024 May 15;32(10):e482-e488. doi: 10.5435/JAAOS-D-24-00053. Epub 2024 Mar 5. PMID: 38442357. (**Thorpe SW**, collaborator)
12. Haffner MR, Saiz AM Jr, Darrow MA, Judge SJ, Laun T, Arora A, Taylor SL, Randall RL, Alvarez EM, **Thorpe SW**. Effect of ALDH1A1 and CD44 on Survival and Disease Recurrence in Patients with Osteosarcoma. *Cureus*. 2024 Jan 16;16(1):e52404.
13. Spierenburg G, Staals EL, Palmerini E, Randall RL, **Thorpe SW**, Wunder JS, Ferguson PC, Verspoor FGM, Houdek MT, Bernthal NM, Schreuder BHWB, Gelderblom H, van de Sande MAJ, van der Heijden L. *Eur J Surg Oncol*.
14. Priester JI, Simister SK, Sario M, Choi J, Pina D, Theriault R, Bateni C, Ghasemiesfe A, Carr-Ascher J, Monjazebe AM, Canter RJ, Randall RL, **Thorpe SW**. Scrutinizing the use of contrasted chest CTs in extremity sarcoma staging and surveillance. *J Surg Oncol*. 2023 Nov. Online ahead of print.
15. Griffin KH, **Thorpe SW**, Sebastian A, Hum NR, Coonan TP, Sagheb IS, Loots GG, Randall RL, Leach JK. Engineered bone marrow as a clinically relevant ex vivo model for primary bone cancer research and drug screening. *Proc Natl Acad Sci USA*. 2023 Sept 26;120(39):e2302101120.
16. Zeitlinger L, Wilson M, Randall RL, **Thorpe S**; on behalf of the PARITY Investigators. Surgical duration is independently associated with an increased risk of surgical site infection and may not be mitigated by prolonged antibiotics: a secondary analysis of the PARITY Trial of infection after lower-extremity endoprosthetic reconstruction for bone tumors. *J Bone Joint Surg Am*. 2023 Jul 19;105(Suppl 1):79-86.
17. Cruz SM, Sholevar CJ, Judge SJ, Darrow MA, Iranpur KR, Farley LE, Lammers M, Razmara AM, Dunai C, Gingrich AA, Persky J, Mori H, **Thorpe SW**, Monjazebe AM, Murphy WJ, Canter RJ. Intratumoral NKp46+ natural killer cells are spatially distanced from T and MHC-1+ cells with prognostic implications in soft tissue sarcoma. *Front Immunol*. 2023 Jul 21;14:1230534.
18. Radzinsky E, Bateni C, Theriault R, **Thorpe SW**, Bindra J. A rare case of chondroblastoma involving the distal phalanx of the ring finger. *Radiol Case Rep*. 2023 May 11;18(7):2441-2446.
19. Singh A, **Thorpe S**, Keegan T, Maguire F, Malogolowkin M, Abrahão R, Spunt S, Carr-Ascher J, Alvarez E. “Localized synovial sarcoma: a population-based analysis of treatment patterns and survival. *J Adolesc Adult Oncol*. 2023 Apr 27.

20. Giordani FA, Kiernan B, Giordani M, Darrow M, **Thorpe S**, Meehan JP. Coccidioidomycosis in joint replacement: A review of the literature with case presentations. *Arthroplasty Today*. 2023 Mar 28;21.
21. Spierenburg G, Verspoor FGM, Wunder JS, Griffin AM, Ferguson PC, King DM, Boyle R, Randall RL, **Thorpe SW**, Priester JJ, Geiger EJ, van der Heijden L, Bernthal NM, Schreuder BHWB, Gelderblom H, van de Sande MAJ. "One-Stage synovectomies result in improved short-term outcomes compared to two-stage synovectomies of diffuse-type tenosynovial giant cell tumor (D-TGCT) of the knee: a multicenter, retrospective, cohort study." *Cancers*. 2023 Feb 2;15(3):941.
22. Jawad MU, Pollock BH, Wise BL, Zeitlinger LN, O'Donnell EF, Carr-Ascher JR, Cizik A, Ferrell B, **Thorpe SW**, Randall RL. Socioeconomic and insurance-related disparities in disease-specific survival among patients with metastatic bone disease. *J Surg Oncol*. 2023 Jan; 127:159-173.
23. Perry LM, Cruz SM, Kleber KT, Judge SJ, Darrow MA, Jones LB, Basmaci UN, Joshi N, Settles ML, Durbin-Johnson BP, Gingrich AA, Carr-Ascher J, **Thorpe SW**, Murphy WJ, Eisen JA, Canter RJ. Human soft tissue sarcomas harbor an intratumoral viral microbiome which is linked to natural killer cell infiltrate and prognosis. *J Immunother Cancer*. 2023 Jan;11(1).
24. Tanaka KS, Andaya VR, **Thorpe SW**, Gundle KR, Hayden JB, Duong YC, Avedian RS, Mohler DG, Morse LJ, Zimel MN, O'Donnell RJ, Fang A, Randall RL, Tran TH, New C, Wustrak RL; other members of Study Group FORCE. Survival and failure modes of the Compress spindle and expandable distal femur endoprosthesis among pediatric patients: A multi-institutional study. *J Surg Oncol*. 2023 Jan; 127(1): 148-158.
25. Singh A, **Thorpe SW**, Darrow M, Carr-Ascher JR. Case report: Treatment of metastatic dedifferentiated chondrosarcoma with pembrolizumab yields sustained complete response. *Front Oncol*. 2022 Nov 17;12.
26. Jawad MR, Pollock BH, Randall RL, **Thorpe SW**. Letter to the Editor Referring to the Editorial by Istl et al. 'Good Bone Structure: A Call for Stronger Design and Methodology in Disparity Studies in Orthopedic Oncology' Discussing the Published Article: 'Non-Private Health Insurance Predicts Advanced Stage at Presentation and Amputation in Lower-Extremity High-Grade Bone Sarcoma: A National Cancer Database Study'. *Ann Surg Oncol*. 2022 Nov; 29(12): 7351-7352.
27. Choi J, Darrow MA, Zeitlinger L, **Thorpe SW**, Bindra J. Unusual chondroblastoma of the hand with large extraosseous soft tissue component. *Radiol Case Rep*. 2022 Jul 1;17(9):3214-3218.
28. Jawad MU, Delman CM, Campbell ST, Fitzpatrick EP, Soles EP, Lee MA, Randall RL, **Thorpe SW**. Traumatic Proximal Femoral Fractures during COVID-19 Pandemic in the US: An ACD NSQIP Analysis. *J Clin Med*. 2022 Nov 16;11(22).

29. Jawad MU, Zeitlinger LN, Bewley AF, O'Donnell EF 3rd, Traven SA, Carr-Ascher JR, Monjazebe AM, Canter RJ, **Thorpe SW**, Randall RL. Head and Neck Cutaneous Soft-Tissue Sarcoma Demonstrate Sex and Racial/Ethnic Disparities in Incidence and Socioeconomic Disparities in Survival. *J Clin Med*. 2022 Sep 17; 11(18).
30. Jawad MU, Pollock BH, Alvarez E, Carr-Ascher JR, Randall RL, **Thorpe SW**. ASO Author Reflections: Insurance-Related Disparities in High Grade Sarcoma of Lower Extremity. *Ann Surg Oncol*. 2022;29:4373-4374.
31. Jawad MU, Pollock BH, Alvarez E, Carr-Ascher JR, Randall RL, **Thorpe SW**. Non-Private Health Insurance Predicts Advanced Stage at Presentation and Amputation in Lower Extremity High Grade Bone Sarcoma: A National Cancer Database Study. *Ann Surg Oncol*. 2022;29:4363-4372.
32. Jawad MU, Pollock BH, Zeitlinger LN, O'Donnell EF 3rd, Traven SA, Carr-Ascher JR, Alvarez E, Malogolowkin MH, **Thorpe SW**, Randall RL. Impact of local treatment modality on overall- and disease-specific survival for nonmetastatic pelvic and sacral Ewing sarcoma. *J Surg Oncol*. 2022 Sep; 126(3):577-587.
33. Hansra SS, Brown CN, Kang LH, Schaberg KB, **Thorpe SW**, Chen DC. Partially intraosseous schwannoma of the distal humerus with increased enhancement after biopsy: Radiologic-pathologic correlation. *Radiol Case Rep*. 2022;17(4):1194-1200.
34. Jawad MU, Pollock BH, Wise BL, Zeitlinger LN, O'Donnell EF, Carr-Ascher JR, Cizik A, Ferrell B, **Thorpe SW**, Randall RL. Sex, racial/ethnic and socioeconomic disparities in patients with metastatic bone disease. *J Surg Oncol*. 2022;125(4):766-774.
35. Cruz SM, Basmaci UN, Bateni CP, Darrow MA, Judge SJ, Monjazebe AM, **Thorpe SW**, Humphries MD, Canter RJ. Surgical and oncologic outcomes following arterial resection and reconstruction for advanced solid tumors. *J Surg Oncol*. 2021;124:1251-1260.
36. Jawad MU, Farhan S, 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;124(8):1468-1476.
37. Jawad MU, Bayne CO, Farhan S, Haffner MR, Carr-Ascher J, Alvarez E, **Thorpe SW**, Randall RL. Prognostic factors, disparity, and equity variables impacting bone sarcomas of the hand: SEER database review. *J Surg Oncol*. 2021;124(8):1515-1522.
38. Jawad MU, Farhan S, Haffner MR, Le HV, **Thorpe SW**, Klineberg EO, Randall RL. Primary mobile vertebral column sarcomas: prognostic factors vary by histologic subtypes. *J Surg Oncol*. 2021;124:635-645.

39. Alvarez E, Malogolowkin M, Pollock BH, Li Q, Johnston E, Marina N, Wun T, **Thorpe SW**, Keegan T. Impact of Location of Inpatient Cancer Care on Patients with Ewing Sarcoma and Osteosarcoma – A Population Based Study. *Pediatr Blood Cancer*. 2021;e28998.
40. Thai V, Griffin A, **Thorpe SW**, Randall R, Leach J. Tissue Engineered Platforms for Studying Primary and Metastatic Neoplasm Behavior in Bone. *J Biomech*. 2021;115:110189.
41. Judge SJ, Darrow MA, **Thorpe SW**, Gingrich AA, O'Donnell EF, Bellini AR, Sturgill IR, Vich LV, Dunai C, Stoffel KM, Lyu Y, Chen S, Cho M, Rebhun RB, Monjazez AM, Murphy WJ, Canter RJ. Analysis of Tumor-Infiltrating NK and T Cells Highlights IL-15 Stimulation and TIGIT Blockade as a Combination Immunotherapy Strategy for Soft Tissue Sarcomas. *J Immunother Cancer*. 2020;8:e001355.
42. Phan EN, **Thorpe SW**, Wong FS, Saiz AM, Taylor SL, Canter RJ, Lenchik L, Randall RL, Boutin RD. Opportunistic Muscle Measurements on Staging Chest CT for Extremity and Truncal Soft Tissue Sarcoma are Associated with Survival. *J Surg Oncol*. 2020;122:869-876.
43. Saiz Jr. A, Gingrich A, Cnater R, Kirane A, Monjazez A, Randall R, **Thorpe SW**. Role of Radiation Therapy in Adult Extraskkeletal Ewing's Sarcoma Patients Treated with Chemotherapy & Surgery. PMID: 31178655: *Sarcoma*, 2019.
44. Bateni S, Gingrich A, Jeon S, Hoch J, **Thorpe SW**, Kirane A, Bold R. Canter R. Clinical Outcomes & Costs Following Unplanned Excisions of Soft Tissue Sarcomas in the Elderly. PMID: 30825757. *J Surg Res*. 2019; 239:125-135.
45. Shah A, Komperda K, Mavanur A, **Thorpe SW**, Weiss K, Goodman M. Overall Survival & Tumor Recurrence After Surgical Resection for Primary Malignant Chest Wall Tumors: A Single-Center, Single-Surgeon Experience. *J Orthop Surg*. 2019;27(2):1-7.
46. Gingrich A, Bateni S, Monjazez A, **Thorpe SW**, Kirane A, Bold A, Canter R. Extremity Soft Tissue Sarcoma in the Elderly: Are We Overtreating or Undertreating This Potentially Vulnerable Patient Population? *J Surg Oncol*. 2019;119(8): 1087-1098.
47. Yanagisawa M, Gingrich AA, Judge S, Li CS, Wang N, **Thorpe SW**, Kirane AR, Bold, RJ, Monjazez AM, Canter RJ. Serum C - Reactive Protein and Neutrophil/Lymphocyte Ratio after Neoadjuvant Radiotherapy in Soft Tissue Sarcoma. *Anticancer Res*. 2018; 38:1491-1497
48. Hinchcliff KM, Crockett J, **Thorpe SW**, Bayne, CO. Using a kidney pump to perfuse a free filet flap for reconstruction after hemipelvectomy: A case report. *Microsurgery*, 2018: 1-4
49. Gingrich AA, Bateni SB, Monjazez AM, Darrow MA, **Thorpe SW**, Kirane AR, Bold RJ, Canter RJ. Neoadjuvant Radiotherapy is Associated with R0 Resection and Improved Survival for Patients with Extremity Soft Tissue Sarcoma

- Undergoing Surgery: A National Cancer Database Analysis. *Ann Surgery Oncology*. 2017;24: 3252-3263.
50. **Thorpe SW**, Goodman MA, Weiss KR, McGough RL. Expanding the scope of the orthopaedic oncology practice: our experience with resection and reconstruction of chest wall tumors. *Curr Orthop Pract*. 2012; 23: 467 – 472.
 51. **Thorpe SW**, Weiss KR, Goodman MA, Heyl AE, McGough RL. Should aggressive surgical local control be attempted in all patients with metastatic or pelvic Ewing's sarcoma? PMID: 22550427: *Sarcoma*. 2012; 1-10.
 52. Vlacich G, Diaz R, **Thorpe SW**, Murphy BA, Kirby W, Sinard RJ, Shakhtour B, Murphy P, Netterville JL, Yarbrough WG, Cmelak AJ. Intensity-modulated radiation therapy with concurrent Taxane-based chemotherapy for locally-advanced head and neck cancer: toxicities and efficacy. *The Oncologist*. 2012; 17: 673-681.
 53. **Thorpe SW**, Hohl JB, Gilbert S, Tannoury, CA, Lee JY. Aberrant right subclavian artery encountered during debridement of T2 osteomyelitis and associated phlegmon.” PMID: 21296290: *Spine J*. 2011; 11: e6-e10.
 54. Eubanks JD, **Thorpe SW**, Cheruvu VK, Braly BA, Kang JD. Does smoking influence fusion rates in posterior cervical arthrodesis with lateral mass instrumentation?” PMID: 20859712: *Clin Orthop Relat Res*. 2011; 469: 696-701.
 55. **Thorpe SW**, Tarkin IS. Deltoid compartment syndrome is a surgical emergency. PMID: 20926313: *J Shoulder Elbow Surg*. 2010; 19: e11-3.

Additional Publications [9]

1. Agulnik M, Wilky BA, **Thorpe SW**, Zuckerman LM. Chondrosarcoma: Clinical Behavior, Molecular Mechanisms, and Emerging Therapeutic Strategies. *Crit Rev Oncol Hematol*. 2025 Dec 12:105075. doi: 10.1016/j.critrevonc.2025.105075. Epub ahead of print. PMID: 41391500.
2. Walker K, Simister SK, Carr-Ascher J, Monument MJ, **Thorpe SW**, Randall RL. Emerging innovations and advancements in the treatment of extremity and truncal soft tissue sarcomas. *J Surg Oncol*. 2024 Jan;129(1):97-111.
3. Randall RL, Theriault RV, **Thorpe SW**, Monument MJ. Emerging innovations and advancements in the field of musculoskeletal oncology. *J Surg Oncol*. 2023 Sep;128(3):425-429.
4. Jawad MU, Bateni C, Theriault R, **Thorpe SW**, Randall RL. Socioeconomic disparities in musculoskeletal oncology. *J Surg Oncol*. 2023 Sep;128(3):425-429.
5. Bhale R, Ghosh P, Theriault R, **Thorpe S**, Loots G, Randall RL. The dynamic microenvironment associated with metastatic bone disease: current concepts. *J Surg Oncol*. 2023 Sep;128(3):468-477.

6. Salerno KE, Alektiar KM, Baldini EH, Bedi M, Bishop AJ, Bradfield L, Chung P, Delaney TF, Folpe A, Kane JM, Li XA, Peterson I, Powell J, Stolten M, **Thorpe SW**, Trent JC, Voermans M, Guadagnolo BA. Radiation therapy for treatment of soft tissue sarcoma in adults: executive summary of an ASTRO clinical practice guideline. *Pract Radiat Oncol*. Sep-Oct 2021;11:339-351.
7. Culp WTN, Rebhun RB, Alvarez EM, Malogolowkin MM, Randall RL, **Thorpe SW**. “Canine osteosarcoma: where human and canine research intersect.” *Ann Joint*. 2020;5:30.
8. **Thorpe SW**, Alderete J, Goodman MA, McGough RL. The role of the orthopaedic oncologist in chest wall resections and reconstructions. *Oper Tech Ortho*. 2014; 24:62-67.
9. **Thorpe SW**, Wukich DK. Tarsal coalitions in the adult population: does treatment differ from the adolescent? PMID: 22541520: *Foot Ankle Clin N Am*. 2012; 17:195 – 204.

Book Chapters [5]

1. **Thorpe SW** and Bird JE. (2025) “Treatment of Soft Tissue Sarcomas” In JS Bierman and GW Siegel (ed.), *Orthopaedic Knowledge Update: Musculoskeletal Oncology*, 5th ed.
2. Zeitlinger L and **Thorpe SW**. (2024) “Evaluation of the patient with carcinoma of unknown origin metastatic to bone.” In Randall RL (ed.), *Metastatic Bone Disease*, 2nd ed.
3. **Thorpe SW** and Randall RL. (2023) “Soft Tissue and Bone Tumors.” In A Haskell (ed.), *Coughlin and Mann’s Surgery of the Foot and Ankle*, 10th ed.
4. **Thorpe SW** and Farhan S. Radiation therapy for soft tissue sarcoma. ROCK curriculum for AAOS.
5. Chen M, **Thorpe SW**, Lee JY, Vaccaro AR. (2012). “Management of traumatic bilateral jumped cervical facet joints in a patient with incomplete myelopathy: closed traction reduction then surgery.” In EC Benzel (Ed.), *Spine Surgery: Techniques, Complication Avoidance, and Management*, 3rd ed.

Broadcast, Print or Electronic Media [3]

1. *Expert Voices: Navigating Sarcoma Care*, Podcast panel participation with Nathan Donaldson, Mark Greyson and Ryan Lanning. **Limb Strong Podcast**, July 13, 2026
2. When a sarcoma patient’s limb can’t be saved, 3D technology can help them resume an active life. Magazine Article, Summer 2023 *SYNTHESIS*: The Magazine of UC Davis Comprehensive Cancer Center, Vol 26, No. 1.

3. Extraordinary Knee: Surgery delivers hope for future in sports, Magazine Article, Spring 2019, *SYNTHESIS*: The magazine of UC Davis Comprehensive Cancer Center, Vol 22, No. 1.

National and International Presentations [34]

1. Gratny, H., Lundin, M., Keeter, C., Dumont, G., Phuong Le, M., Hagos, M., Donaldson, NJ., **Thorpe, SW.** Change in Opioid Prescribing Among Childhood Sarcoma Patients: A Tale of Two Eras. Connective Tissue Oncology Society Annual Meeting, Seoul, KR. November 19th, 2026. [Poster].
2. Dumont, G., Gratny, H., Keeter, C., Wilky, B., Lanning, R., Donaldson, NJ., **Thorpe, SW.** How Have Positive Results from Recent SARC Immunotherapy Trials Changed the Treatment for Soft Tissue Sarcoma? An NCDB Analysis. 2026 Connective Tissue Oncology Society Annual Meeting, Seoul, KR. November 19th, 2026. [Poster].
3. Gratny, H., Lundin, M., Keeter, C., Dumont, G., Phuong Le, M., Hagos, M., **Thorpe, SW.**, Donaldson, NJ. How is Opioid Utilization Associated with Quality of Life Outcomes in Pediatric Sarcoma Patients? Connective Tissue Oncology Society Annual Meeting. Seoul, KO. November 19th, 2026. [Poster].
4. Lundin, M., Gratny, H., Stein, J., Meyers, ML., Keeter, C., Donaldson, NJ., **Thorpe, SW.** Muscle Matters: Longitudinal Skeletal Muscle Changes in Pediatric and AYA Sarcoma Patients After Treatment. Connective Tissue Oncology Society Annual Meeting, Seoul, KR. November 19th, 2026. [Poster].
5. Gratny, H., Lundin, M., Keeter, C., Dumont, G., Phuong Le, M., Hagos, M., **Thorpe, SW.**, Donaldson, NJ. How is Opioid Utilization Associated with Quality of Life Outcomes in Pediatric Sarcoma Patients? 2026 Musculoskeletal Tumor Society Annual Meeting, Miami, FL. October 2026. [Poster].
6. Gratny, H., Lundin, M., Keeter, C., Dumont, G., Phuong Le, M., Hagos, M., Donaldson, NJ., **Thorpe, SW.** Change in Opioid Prescribing Among Childhood Sarcoma Patients: A Tale of Two Eras. 2026 Musculoskeletal Tumor Society Annual Meeting, Miami, FL. October 2026. [Poster].
7. Dumont, G., Gratny, H., Keeter, C., **Thorpe, SW.**, Donaldson, NJ. Geographic Disparities in Surgical Management of Pediatric and AYA Bone Sarcomas: An NCDB Review. 2026 Musculoskeletal Tumor Society Annual Meeting, Miami, FL. October 2026. [Poster].
8. Dumont, G., Gratny, H., Keeter, C., Wilky, B., Lanning, R., Donaldson, NJ., **Thorpe, SW.** How Have Positive Results from Recent SARC Immunotherapy Trials Changed the Treatment for Soft Tissue Sarcoma? An NCDB Analysis. 2026 Musculoskeletal Tumor Society Annual Meeting, Miami, FL. October 2026. [Poster].
9. Dumont, G., Gratny, H., Keeter, C., Wilky, B., Lanning, R., Donaldson, NJ., **Thorpe, SW.** How Have Positive Results from Recent SARC Immunotherapy

- Trials Changed the Treatment for Soft Tissue Sarcoma? An NCDB Analysis. International Society of Limb Salvage Annual Meeting, Vienna, AT. September 2026. [Podium].
10. Dumont, G., Gratny, H., Keeter, C., **Thorpe, SW.**, Donaldson, NJ. Geographic Disparities in Surgical Management of Pediatric and AYA Bone Sarcomas: An NCDB Review. International Society of Limb Salvage Annual Meeting, Vienna, AT. September 2026. [Podium].
 11. Gratny, H., Lundin, M., Keeter, C., Dumont, G., Phuong Le, M., Hagos, M., Donaldson, NJ., **Thorpe, SW.** Change in Opioid Prescribing Among Childhood Sarcoma Patients: A Tale of Two Eras. International Society of Limb Salvage Annual Meeting, Vienna, AT. September 2026. [Poster].
 12. Gratny, H., Lundin, M., Keeter, C., Dumont, G., Phuong Le, M., Hagos, M., **Thorpe, SW.**, Donaldson, NJ. How is Opioid Utilization Associated with Quality of Life Outcomes in Pediatric Sarcoma Patients? International Society of Limb Salvage Annual Meeting, Vienna, AT. September 2026. [Podium].
 13. Lundin, MA., Gratny, H., Schutz, J., McCaw, N., Keeter, C., Cruz, E., **Thorpe, SW.**, Donaldson, NJ. Podium Presentation. A Prospective Analysis of Quality-of-Life Outcomes in Pediatric Patients Undergoing Surgical Intervention for Lower Extremity Bone Sarcoma. Western Orthopedic Association 2026 Annual Meeting. Colorado Springs, Colorado. August 1st, 2026. █
 14. Lundin, MA., Gratny, H., Schutz, J., McCaw, N., Keeter, C., Cruz, E., **Thorpe, SW.**, Donaldson, NJ. Poster Presentation, 9th Annual Center for Children's Surgery Research Symposium. "A Prospective Analysis of Quality-of-Life Outcomes in Pediatric Patients Undergoing Surgical Intervention for Lower Extremity Bone Sarcoma." Aurora, Colorado. February 2026.
 15. Gratny, H., Lundin, M., Schutz, J., McCaw, N., Keeter, C., Cruz, E., **Thorpe, SW.**, Donaldson, NJ. Podium Presentation, A Prospective Analysis of Quality of Life Outcomes in Pediatric Patients Undergoing Surgical Intervention for Lower Extremity Bone Sarcoma. 2025 Musculoskeletal Tumor Society Annual Meeting, Mexico City, MX. December 4th, 2025.
 16. Lundin, M., Gratny, H., Cruz, E., McCaw, N., Schutz, J., Keeter, C., **Thorpe, SW.**, Donaldson, NJ. Poster Presentation, Quality of Life Outcomes in Pediatric Patients Undergoing Surgical Intervention for Lower Extremity Bone Sarcomas. Connective Tissue Oncology Society Annual Meeting, Boca Raton, FL. November 13th, 2025.
 17. Krajewski, KT., Vinson, AL., Lundin, MA., Rogers, N., Kanai, S., Moore, L., Carollo, JJ., **Thorpe, SW.**, Silverman, AK., Donaldson, NJ. Poster Presentation, Mediolateral Dynamic Postural Stability During Stair Ascents in Individuals with a Rotationplasty About the Knee. 2025 Annual Meeting of the American Society of Biomechanics, Pittsburgh, PA. August, 2025.

18. McLaughlin EA, Krajewski KT, Lundin MA, Moore L, Carollo JJ, **Thorpe SW**, Silverman A, Donaldson NJ, Kinematics and Postural Stability of Individuals with Rotationplasty During a Lifting Task. Poster Presentation, 8th Annual Center for Children's Surgery Research Symposium, February 21, 2025, Aurora, Colorado
19. Simister SK, Smith JB, Todi N, Lerman D, Blank A, Bernthal N, **Thorpe SW**, Randall RL. A Preliminary Report on an Ongoing Multi-center Prospective PRO Study for Patients Undergoing Surgical Stabilization for Metastatic Bone Disease of the Femur. Podium Presentation, 22nd International Society of Limb Salvage General Meeting, October 9, 2024, Brisbane, Australia, Presented by Thorpe SW
20. **Thorpe SW**, Podcast panel member for Society of Surgical Oncology on Atypical Lipomatous Tumors, 2024
21. **Thorpe SW**, Griffin K, Randall RL, Leach K. Interrogating the downstream effect of macrophage polarization in the osteosarcoma tumor microenvironment on alveolar tissue resident macrophages. Podium Presentation, Musculoskeletal Tumor Society Specialty Day at the American Academy of Orthopaedic Surgeons annual meeting 2023, Presented by Thorpe SW
22. Zeitlinger L, Canter R, Randall RL, **Thorpe SW**. Intra-Operative Peripheral Margin Sampling in Soft Tissue Sarcoma: A MSTS Member Survey. Podium Presentation, International Society of Limb Salvage annual meeting 2022 – Presented by Thorpe SW / Podium Presentation, Musculoskeletal Tumor Society annual meeting 2022 – Presented by Zeitlinger L / Podium Presentation, American Academy of Orthopaedic Surgeons annual meeting 2023 – Presented by Zeitlinger L
23. Zeitlinger L, Chavez G, Canter R, Darrow M, Randall RL, **Thorpe SW**. Intra-Operative Peripheral Margin Sampling in Soft Tissue Sarcoma. Podium Presentation, International Society of Limb Salvage annual meeting 2022 – Presented by Thorpe SW / Poster Presentation, Musculoskeletal Tumor Society annual meeting 2022 – Presented / Podium Presentation, American Academy of Orthopaedic Surgeons annual meeting 2023 – Presented by Zeitlinger L
24. Griffin K, **Thorpe SW**, Randall RL, Leach K. Engineered bone marrow: a complex model for primary osteosarcoma tumorigenesis. Podium Presentation, Connective Tissue Oncology Society Annual Meeting 2022. Presented by Thorpe SW
25. Thai V, Griffin K, **Thorpe SW**, Randall RL, Leach K. Engineered bone marrow: a novel in-vitro model for osteosarcoma. Podium Presentation, Orthopaedic Research Society Annual Meeting 2021. Presented by Griffin K
26. Thai V, Griffin K, **Thorpe SW**, Randall RL, Leach K. Oxygen tension mediates proliferation of osteosarcoma cells in 3-dimensional culture. Poster Presentation, Orthopaedic Research Society Annual Meeting 2020 – Presented by Griffin K / Poster Presentation, Connective Tissue Oncology Society Annual Meeting 2020 – Presented by Thorpe SW

27. Thorpe SW. Discussant for Bone Sarcoma Section 1 at Connective Tissue Oncology Society Annual Meeting, Tokyo 2019.
28. Saiz A, Haffner MR, Arora A, **Thorpe SW**. CD44 and Aldh1 predict oncologic outcomes in osteosarcoma, Poster Presentation: Musculoskeletal Oncology Society, 2019, Portland, OR, 2nd place best poster
29. Saiz A, Gingrich A, Canter R, Kirane A, Monjazebe A, Randall RL, **Thorpe SW**. Role of Radiation Therapy in Adult Extraskelatal Ewing's Sarcoma Patients Treated with Chemotherapy and Surgery. Poster Presentation: Musculoskeletal Oncology Society, October 10 - 12, 2018, New York, New York
30. Gingrich A, Bateni S, Kirane A, Monjazebe A, **Thorpe SW**, Canter R. Neoadjuvant radiotherapy is associated with R0 resection and improved survival in extremity soft tissue sarcoma patients undergoing surgery: an NCDB analysis. Podium Presentation: Connective Tissue Oncology Society, November 8 -11, 2017, Maui, Hawaii – Presented by Gingrich A
31. **Thorpe SW**, Dang AH, Song J, Li L, Lin PP, Bird JE, Lewis VO. Predictors of increased blood loss and massive transfusion in hemipelvectomy surgery. Podium Presentation: International Society of Limb Salvage, May 2017, Kanazawa, Japan / Poster Presentation: Musculoskeletal Tumor Society, October 2016, Detroit, Michigan
32. **Thorpe SW**, Weiss KR, Goodman MA, Heyl AE, McGough RL. “Should aggressive surgical local control be attempted in all patients with localized and metastatic Ewing's sarcoma?” Podium presentation: Society of Military Orthopaedic Surgeons, San Diego, CA, December 2011 / Podium presentation: Combined Musculoskeletal Tumor Society / Connective Tissue Oncology Society, Chicago, IL, October 2011
33. **Thorpe SW**, Goodman MA, McGough R. “Chondromyxoid fibroma: an unusual tumor in unusual places.” Poster presentation: Society of Military Orthopaedic Surgeons, San Diego, CA, December 2011 / Abstract: Connective Tissue Oncology Society, Paris, France, November 2010 / Poster presentation: Musculoskeletal Tumor Society, Philadelphia, PA, September 2010
34. **Thorpe SW**, Goodman MA, McGough RL. “Bony resections and reconstruction of the chest wall: the orthopaedic oncologist's experience.” Podium presentation: Society of Military Orthopaedic Surgeons, Vail, CO, December 2010 / Poster presentation: Musculoskeletal Tumor Society, Philadelphia, PA, September 2010

Grand Rounds/Regional/Institutional Presentations [11]

1. Lundin, M., Gratny, H., Cruz, E., McCaw, N., Schutz, J., Keeter, C., **Thorpe SW**., Donaldson, NJ., Poster Presentation, A Prospective Analysis of Quality of Life Outcomes in Pediatric Patients Undergoing Surgical Intervention for Lower Extremity Bone Sarcoma. University of Colorado 7th Annual D'Ambrosia Orthopedic Symposium, Aurora, CO. October 22nd, 2025

2. "Hemicortical and Intercalary Resections and Reconstructive Options for Bone Sarcoma." Co-Presenter, **Steven Thorpe, MD** and Julia Sanders, MD, Robert E. Eilert Children's Orthopedic Day Conference, Orthopedics Institute, Children's Hospital Colorado, Aurora, CO April 2025
3. "Lessons From a Sarcoma Center of Excellence." Co-Presenter, **Steven Thorpe, MD** and Michael R. Clay, MD. Precision Medicine Institute, 2nd Annual Retreat, Children's Hospital Colorado, Aurora, CO April 2025
4. "Local control surgery in pediatric and AYA patients with sarcoma-current options, challenges and opportunities for advancing care for human and canine patients together." Guest Speaker, FACC Seminar Series, Flint Animal Cancer Center, Colorado State University, Fort Collins, CO, November 2024
5. "The Great Debate: expandable endoprosthetics versus biologic reconstructions in children afflicted with bone sarcoma." Moderator, Annual Orthopaedic Surgery Graduate Research Symposium, Department of Orthopaedic Surgery, The University of California, Davis, CA, June 2023
6. "Limb salvage in the skeletally immature patient with sarcoma." Department of Orthopaedic Surgery Grand Rounds, The University of California, Davis, CA, January 2018
7. "Avoiding errors and lessons learned in musculoskeletal oncology." Department of Orthopaedic Surgery Grand Rounds, The University of California, Davis, CA, October 2017
8. "Local tumor control in Ewing sarcoma: a controversy that still remains, especially for pelvic locations." Department of Orthopaedic Surgery Grand Rounds, The University of California, Davis, CA, September 2016
9. "Amputations of the lower extremity and new frontiers in achieving function." Department of Orthopaedic Surgery Grand Rounds, The University of Pittsburgh Medical Center, PA, February 2010
10. "The evaluation and treatment of pelvic Ewing's Sarcoma." Department of Orthopaedic Surgery Grand Rounds, The University of Pittsburgh Medical Center, PA, June 2009
11. "The biologic and surgical treatments of nonunion." Department of Orthopaedic Surgery Grand Rounds, The University of Pittsburgh Medical Center, PA, November 2008