



2001 - 2003 Associate Chief of Quality, Diablo Service Area, Kaiser Permanente  
 2003 - 2012 Founder, President and Partner, Imaging Partners Medical Group  
 2017 - 2021 Director of Community Radiology, Stanford University School of Medicine, Department of Radiology  
 2017 - 2021 Director of Radiology Continuing Medical Education, Stanford University School of Medicine, Department of Radiology  
 2021 - 2023 Associate Dean for Academic Affairs, Stanford University School of Medicine

## **PROFESSIONAL SERVICE**

### **Committees**

2001 - 2003 MRI Subcommittee, Kaiser Permanente Northern California  
 2001 - 2003 Credentialing Committee, Diablo Service Area, Kaiser Permanente  
 2001 - 2003 Risk Management Committee, Diablo Service Area, Kaiser Permanente  
 2001 - 2003 Executive Committee, Diablo Service Area, Kaiser Permanente  
 2010 - 2012 President, San Francisco Bay Radiological Society  
 2012 - 2016 Vice President, San Francisco Bay Radiological Society  
 2013 - 2021 CE/ACF Advancement and Promotion Committee, Stanford University School of Medicine, Department of Radiology  
 2013 - 2014 Strategic Planning Work Group, Stanford University School of Medicine, Center for Continuing Medical Education  
 2013 - 2014 Faculty Advisory Council, Stanford University School of Medicine, Center for Continuing Medical Education  
 2013 - 2014 Time Away Committee, Stanford University School of Medicine, Department of Radiology  
 2013 - 2014 MRI Efficiency Committee, Stanford University School of Medicine, Department of Radiology  
 2013 - 2016 East Bay Opportunities Work Group, Stanford Health Care  
 2013 - 2019 Outpatient Marketing Group, Stanford Health Care  
 2013 - 2019 Outpatient Operations Group, Stanford Health Care  
 2013 - 2018 Diagnostic Radiology Leadership Rounds participant, Stanford Health Care  
 2013 - 2014 Clinical Coverage Committee, Stanford University School of Medicine, Department of Radiology  
 2013 - 2014 Residency Interview Committee, Stanford University School of Medicine, Department of Radiology  
 2013 - 2020 Residency application screening, Stanford University School of Medicine, Department of Radiology  
 2013 - 2020 Physician Wellness Committee, Stanford University School of Medicine  
 2013 - 2018 Health Information Management System Committee, Stanford Health Care  
 2014 - 2015 Imaging Workflow Validation Planning Sessions (500P), Stanford Health Care  
 2014 - 2015 Flow Planning work group, Emergency Department, Stanford Health Care  
 2014 - 2015 Tumor Board Work Group, Stanford Health Care  
 2014 - 2020 Manuscript Reviewer, American Journal of Roentgenology  
 2014 - 2023 Manuscript Reviewer, Skeletal Radiology  
 2015 - 2020 Manuscript Reviewer, Journal of Hip Preservation Surgery  
 2014 - 2015 Search Committee, breast imaging position, Stanford Cancer Center South Bay  
 2014 - 2015 Search Committee, body imaging position, Stanford Cancer Center South Bay

2015 - 2020 Scientific Program Subcommittee, American Roentgen Ray Society  
 2015 - 2020 Educational Exhibit Subcommittee, American Roentgen Ray Society  
 2020 - Present Chair, Educational Exhibit Subcommittee, American Roentgen Ray Society  
 2015 - 2017 Workflow Improvement Group, Stanford and Lucille Packard Hospitals  
 2015 - 2018 PACS selection committee, Stanford and Lucille Packard Hospitals  
 2016 - Present Medical Board of California Expert Reviewer  
 2016 - 2020 Clinician Educator Task Force, Stanford University School of Medicine  
 2016 - 2021 Clinical Assistant Professor Appointments and Promotions Committee, Stanford University School of Medicine  
 2016 - 2017 Search Committee, breast imaging position, Stanford Health Care Valley Care  
 2016 - 2017 Search Committee, interventional radiology position, Stanford Health Care Valley Care  
 2017 - Present Radiology IT Operations Committee, Stanford and Lucille Packard Hospitals  
 2017 - 2020 PACS Physician Configuration Team, Stanford and Lucille Packard Hospitals  
 2017 - 2019 Society of Skeletal Radiology Rules Committee  
 2018 - 2019 Medical School Admissions File Review Sub-Committee, application screening, Stanford University School of Medicine  
 2018 - 2019 Medical School Admissions Multiple Mini Interviews, Stanford University School of Medicine  
 2018 - 2021 Ad Hoc file reviews for faculty, Stanford University School of Medicine, Department of Radiology  
 2018 - 2019 Radiology outpatient and Community Location Coverage for Radiology, Stanford Health Care  
 2018 - 2019 Digital learning Strategic Initiative, Stanford University School of Medicine  
 2018 Co-course director, Bones, Body and Brain MRI in Hawaii: Stanford Imaging Update. Maui, HI, 2018  
 2018 CME Director, Stanford Breast in the West: MRI and MRI-Guided Updates for Radiologists and Technologists. San Francisco, CA, 2018  
 2018 CME Director, Stanford Breast in the West: Multi-Modality Breast Imaging Symposium for Radiologists. Monterey CA, 2018  
 2018 - 2020 Search Committee, radiology position, Stanford Health Care Valley Care  
 2018 - 2020 Search Committee, interventional radiology position, Stanford Health Care Valley Care  
 2018 - 2020 Advisory Committee, Stanford Center for Continuing Education, Stanford University School of Medicine  
 2019 - 2020 Vice Chair, Clinical Assistant Professor Appointments and Promotions Committee, Stanford University School of Medicine  
 2020 - 2021 Chair, Clinical Assistant Professor Appointments and Promotions Committee, Stanford University School of Medicine  
 2020 - Present Society of Skeletal Radiology Socioeconomic Affairs Committee  
 2020 - Present Residency Core Exam Writer/Developer-Musculoskeletal Committee for the American Board of Radiology (ABR)  
 2020 - Present Society of Skeletal Radiology Liaison to the Social Media Committee  
 2022 - 2023 Stanford University School of Medicine Faculty Senate  
 2024 - Present Chair, Clinical Educator Appointments and Promotions Committee, Stanford University School of Medicine, Department of Radiology

## **Interdisciplinary Activities and Special Projects**

- 2013 - 2018 Co-Director, Structured Report Project for Radiology, Stanford Health Care
- 2013 - Present Radiology representative, Sarcoma Tumor Board, Stanford Health Care
- 2013 - 2019 Radiology liaison, Arthroscopy Radiology Correlation Conference, Stanford Health Care
- 2015 - 2018 Radiology liaison, Spine Tumor Board, Stanford Health Care
- 2013 - 2018 Organizer, Musculoskeletal Infectious Disease Interdisciplinary Conference, Stanford Health Care
- 2013 - 2017 Organizer, Hip Preservation Interdisciplinary Conference, Stanford Health Care
- 2014 - 2015 Team Leader and Graduate, Clinical Effectiveness Leadership Course, Stanford Health Care
- 2014 - 2015 Team Leader and Graduate, Radiology Improvement Team Education, Stanford Health Care
- 2014 - 2018 Patient Clinical History Project, Stanford University School of Medicine, Department of Radiology
- 2014 - 2015 Curbside Radiology pilot projects, Stanford University School of Medicine, Department of Radiology
- 2013 - 2014 Development of Musculoskeletal Radiology website, Stanford Health Care
- 2018 - 2020 Development of department outside interpretation policy
- 2019 - 2020 Collaboration and Communication Skills for Healthcare Professionals program
- 2018 - 2022 Faculty lead, Secondary Interpretation Project
- 2022 - Present Clinical Operations Team, Department of Radiology, Musculoskeletal Radiology Division

## **MENTORING**

- 2013 - 2014: Jessica Sin
- 2016 - 2018: Wilson Lin
- 2018 - 2019: Phil Wu
- 2018 - 2020: John Hunter
- 2020 - 2025: Sunita Pal
- 2025 - 2026: Luke Yoon

## **AWARDS AND HONORS**

- 1997 Resident's Research Award, University of California at Davis, Department of Radiology
- 2005 Resident Teaching Award, University of California at San Francisco, Department of Radiology
- 2017 Certificate of Merit, Radiological Society of North America Annual Meeting - Is That a DVT? Confident Diagnosis of DVT on Routine Knee MRI
- 2022 Best Scientific Poster Award, Society of Skeletal Radiology 2022 Annual Meeting - Liposclerosing Myxofibrous Tumor (LSMFT): How Often Are Radiologists & Pathologists Diagnosing LSMFT?
- 2022 Cum Laude Award, Radiological Society of North America Annual Meeting - Soft Tissue Tumors: What to Include in the Report, A Primer for General Radiologists
- 2025 American Board of Radiology Volunteer Service Award

## **SOCIETY MEMBERSHIPS**

American College of Radiology, 1997-Present  
American Roentgen Ray Society, 1997-Present  
Radiological Society of North America, 1997-Present  
Society of Skeletal Radiology, 2001-Present  
California Radiological Society, 2010-Present

## **PUBLICATIONS**

### **Journal Articles**

1. **Riley GM**, Babcock C, Jain K. Ruptured malignant ovarian tumor mimicking ruptured ectopic pregnancy. *J Ultrasound Med.* 1996 Dec;15(12):871-3
2. **Riley GM**, Greenspan A, Poirier VC. Fibrous dysplasia of a parietal bone. *J Comput Assist Tomogr.* 1997 Jan-Feb;21(1):41-3
3. Raiszadeh K, Greenspan A, **Riley GM**. Intraosseous lipoma of the calcaneus. *Foot Ankle Int.* 1997 Jan;18(1):53-6
4. Steinbach LS, **Riley GM**. MRI of the elbow: ligaments and tendons. *Contemporary Diagnostic Radiology.* 2002 Nov;25(24):1-6
5. Thornton R, **Riley GM**, Steinbach LS. Magnetic resonance imaging of sports injuries of the elbow. *Top Magn Reson Imaging.* 2003 Feb;14(1):69-86
6. Fang AS, **Riley GM**, Huang SJ, O'Donnell R. A 35-year-old man with bony deformities and a soft tissue mass. *Clin Orthop Relat Res.* 2003 Dec;(417):313-20
7. **Riley GM**. MRI of sports injuries of the foot and ankle, a pictorial essay. *J Am Podiatr Med Assoc.* 2007 Jan-Feb;97(1):59-67
8. Chundru U, **Riley GM**, Steinbach LS. MR arthrography. *Radiol Clin North Am.* 2009 May;47(3):471-94
9. Anderson CN, **Riley GM**, Gold GE, Safran MR. Hip femoral acetabular impingement. *Clin Sports Med.* 2013 Jul;32(3):409-25
10. Hunt KJ, Githens M, **Riley GM**, Kim M, Gold GE. Foot and ankle injuries in sports: imaging correlation with arthroscopic and surgical findings. 2013 *Clin Sports Med.* Jul;32(3):525-57
11. **Riley GM**, Stevens KJ, Safran MR, McWalther EJ, Lattanzi R, Gold GE. Magnetic resonance imaging of the hip for the evaluation of FAI; past, present, and future. 2014 *JMRI.* Mar;41(3):558-72
12. Casey DL, van de Rijn M, **Riley GM**, Tung KW, Mohler DG, Donaldson SS. Extraskelatal osteosarcoma of the hand: the role of marginal excision and adjuvant radiation therapy. 2015 *Hand;*10(4):602-6
13. Johnson D, Stevens KJ, **Riley GM**, Shapiro L, Yoshioka H, Gold GE. Approach to MRI of the elbow and wrist: technical aspects and innovation. *Clin Sports Med.* 2015;23(3):355-66
14. Packer JD, Cowan JB., Rebolledo BJ, Shibata KR, **Riley GM**, Finlay AK, Safran MR. The cliff sign: A new radiographic sign of hip instability. *J Hip Preserv Surg.* 2016;3(Suppl 1)
15. Sukerkar PA, Fast AM, **Riley GM**. Extreme sports injuries to the pelvis and lower extremity. *Radiol Clin North Am.* 2018 Nov;56(6):1013-1033
16. Bien N, Rajpurkar P, Ball RL, Irvin J, Park A, Jones E, Bereket M, Patel BN, Yeom KW, Shpanskaya K, Halabi S, Zucker E, Fanton G, Amanatullah DF, Beaulieu CF, **Riley GM**, Stewart RJ, Blankenberg FG, Larson DB, Jones RH, Langlotz CP, Ng AY, Lungren MP. Deep-learning-assisted diagnosis for knee magnetic resonance imaging: Development and retrospective validation of MRNet. *PLoS Med.* 2018 Nov 27;15(11)

17. Patel B.N, Rosenberg L, Willcox G, Baltaxe D, Lyons M, Irvin J, Pranav R, Amrhein T, Gupta R, Halabi S, Langlotz C, Lo E, Mammarappallil J, Mariano AJ, **Riley GM**, Seekins J, Shen L, Zucker E, Lungren M. Human-machine partnership with artificial intelligence for chest radiograph diagnosis. *npj Digit. Med.* 2019 **2**, 111
18. Kuhn, KJ, Cloutier, JM, Boutin, RD, Stehner, R, **Riley GM**. Soft tissue pathology for the radiologist: a tumor board primer with 2020 WHO classification update. *Skeletal Radiol* (2020) August
19. Packer JD, Foster MF, **Riley GM**, Stewart R, Shibata KR, Richardson ML, Boutin RD, Safran MR. Capsular thinning on magnetic resonance arthrography is associated with intra-operative hip joint laxity in women. *Journal of Hip Preservation Surgery* 2020 Aug 10;7(2):298-304
20. Ha AY, Do BH, Bartret AL, Fang CX, Hsiao, A, Lutz AM, Banerjee I, **Riley GM**, Rubin DL, Stevens, KJ, Wang, E., Wang, W., Beaulieu, CF., Hurt, B. Automating scoliosis measurements in radiographic studies with machine learning: Comparing artificial intelligence and clinical reports. *J Digit Imaging.* 2022 Feb 11
21. **Riley GM**, Kwong S, Steffner, RS, Boutin, RD. MR Imaging of Benign Soft Tissue Tumors: Highlights for the Practicing Radiologist. *Radiol Clin North Am.* 2022 March, 60(2):263-281
22. Chang CY, Garner HW, Ahlawat S, Amini B, Bucknor MD, Flug JA, Khodarahmi I, Mulligan ME, Peterson JJ, **Riley GM**, Samim M, Lozano-Calderon SA, Wu JS. Society of Skeletal Radiology- white paper. Guidelines for the diagnostic management of incidental solitary bone lesions on CT and MRI in adults: bone reporting and data system (Bone-RADS). *Skeletal Radiol.* 2022 Mar 28.
23. **Riley GM**, Steffner R, Kwong S, Chin A, Boutin RD. MRI of Soft-Tissue Tumors: What to Include in the Report. *RadioGraphics* 2024;44(6):e230086

### Book Chapters

1. **Riley GM**, Steinbach LS. Miscellaneous conditions of the wrist. In: Chung CB, Steinbach LS, editors. *MRI of the Upper Extremity.* Hagerstown, MD: Lippincott, Williams & Wilkins; 2009
2. Contributor, Top 3 Differentials in Musculoskeletal Imaging. Bindra, J, Boutin, RD, editors. New York, NY: Thieme Publishers; 2021

### Digital Publications

1. **Riley GM**. Editor, UCSF Musculoskeletal Radiology eCME. UCSF Continuing medical education website., 2004
2. **Riley GM**. 53-year-old woman with heel pain. (Chapter 45). In: Richardson ML (ed). *Intergalactic Online MSK Conference: Cool Case Book 2.* Seattle, WA: BareBoneBooks.com, 2011
3. **Riley GM**. 45-year-old with limited post-op extension. (Chapter 46). In: Richardson ML (ed). *Intergalactic Online MSK Conference: Cool Case Book 2.* Seattle, WA: BareBoneBooks.com, 2011
4. **Riley GM**. 47-year-old man with leg pain. (Chapter 47). In: Richardson ML (ed). *Intergalactic Online MSK Conference: Cool Case Book 2.* Seattle, WA: BareBoneBooks.com, 2011
5. **Riley, GM**. 63-year-old woman with vague pain. (Chapter 08). In: Richardson ML (ed). *Intergalactic Online MSK Conference: Cool Case Book 4.* Seattle, WA: BareBoneBooks.com, 2014
6. **Riley, GM**. 19-year-old gymnast with forearm pain. (Chapter 09). In: Richardson ML (ed). *Intergalactic Online MSK Conference: Cool Case Book 4.* Seattle, WA: BareBoneBooks.com, 2014

7. **Riley, GM.** 14-year-old girl with lower extremity pain. (Chapter 10). In: Richardson ML (ed). Intergalactic Online MSK Conference: Cool Case Book 4. Seattle, WA: BareBoneBooks.com, 2014
8. Bone Tumors radiologic assessment YouTube video, 2015
9. Bone Tumors, Putting it All Together YouTube video, 2016
10. Osteosarcomas, YouTube video, 2021

### Abstracts and Exhibits

1. Poley R, **Riley GM**, Steinbach LS. Labral tear or normal vessel? Blood vessels mimicking pathology in musculoskeletal MRI. Radiological Society of North America, December 2008
2. **Riley GM**, Tung, K, Stevens K. Accessory muscles of the ankle. Radiological Society of North America, December 2013
3. Boutin R, Bindra J, **Riley GM**, Pereira G, Giordani M. Advanced imaging of hip arthroplasties, CT versus MRI. International Skeletal Society, October 2013
4. **Riley GM**, Stewart R, Packer J, Richardson ML, Safran M, Boutin RD. Hip MR arthrography: Are we under diagnosing synovitis and laxity pre-operatively? Society of Skeletal Radiology, March 2015
5. Packer J, **Riley GM**, Stewart R, Richardson ML, Boutin RD, Safran M. Capsular thinning on MRI is associated with intraoperative hip laxity in women. International Society of Hip Arthroscopy, September 2015
6. **Riley GM**, Nguyen M, Packer J, Richardson ML, Safran M, Boutin RD. Hip MR arthrography: Are we under diagnosing laxity pre-operatively? Radiological Society of North America, November 2015
7. Kuhn K, **Riley GM**. Is That a DVT? Confident Diagnosis of DVT on Routine Knee MRI. Awarded Certificate of Merit. Radiological Society of North America, November 2017
8. Nguyen M, Stevens K, Doyle Z, **Riley GM**, Steinbach LS. Multimodality Imaging of the Sternoclavicular Joint: Anatomy and Pathology. Radiological Society of North America, November 2017
9. Wu P, **Riley GM**. Could this Cyst be a Sarcoma? These 3 MR Imaging Red Flags Should Raise Concern for a Sarcoma. American Roentgen Ray Society, May 2019
10. Moreno M, Chakraborty A, **Riley GM**. Approaching the Subtalar Joint: A Guide to Confidently Understand its Complex Anatomy. American Roentgen Ray Society, May 2020
11. Chakraborty A, Moreno M, Stevens K, **Riley GM**. Encapsulation of Joint Capsules: A Review of Joint Capsule Anatomy. American Roentgen Ray Society, May 2020
12. Petterson M, Boutin, RD, **Riley GM**. Case of the Day, Madura Foot. Radiological Society of North America, November 2020
13. **Riley GM**, Charville G, Steffner R, Boutin RD. Liposclerosing Myxofibrous Tumor (LSMFT): How Often are Radiologists & Pathologists Diagnosing LSMFT? Society of Skeletal Radiology, March 2022
14. **Riley GM**, Boutin, RD. Soft Tissue Tumors: What to Include in the Report - A Primer for General Radiologists. Awarded Cum Laude. Radiological Society of North America, November 2022
15. Skaggs KF, Salinas JC, Koltsov JCB, Pius AK, Johnson T, Follett M, Sambare TD, Kleimeyer JP, Wood KB, Alamin TF, Mitchell LA, **Riley GM**, Carragee EJ, Hu SS. Vacuum discs are associated with greater sagittal imbalance and disability in adult spine deformity patients. Presented at: North American Spine Society International Meeting; July 25, 2025; Taipei, Taiwan.

16. Skaggs KF, Salinas JC, Koltsov JCB, Pius AK, Johnson T, Follett M, Sambare TD, Kleimeyer JP, Wood KB, Alamin TF, Mitchell LA, **Riley GM**, Carragee EJ, Hu SS. Vacuum Discs are Associated with Greater Sagittal Imbalance and Disability in Adult Spine Deformity Patients. Presented as ePresentation at: International Spinal Deformity Symposium; December 12–13, 2025; New York City, United States.
17. Skaggs KF, Salinas JC, Koltsov JCB, Pius AK, Johnson T, Follett M, Sambare TD, Kleimeyer JP, Wood KB, Alamin TF, Mitchell LA, **Riley GM**, Carragee EJ, Hu SS. Vacuum Discs are Associated with Greater Sagittal Imbalance and Disability in Adult Spine Deformity Patients. Accepted for oral presentation at: ISSLS/SASS Annual Meeting; May 11–15, 2026; Cape Town, South Africa.
18. Skaggs KF, Salinas JC, Koltsov JCB, Pius AK, Johnson T, Follett M, Sambare TD, Kleimeyer JP, Wood KB, Alamin TF, Mitchell LA, **Riley GM**, Carragee EJ, Hu SS. Vacuum Discs are Associated with Greater Sagittal Imbalance and Disability in Adult Spine Deformity Patients. Accepted for oral presentation at: Global Spine Congress 14th Annual Meeting; May 27–30, 2026; Istanbul, Turkey.

### **INVITED PRESENTATIONS**

1. MSK Cases. UCSF Visiting Fellowship Course. University of California at San Francisco, San Francisco, CA, 2001, 2002, 2003, 2004
2. Shoulder MRI. UCSF Visiting Fellowship Course. University of California at San Francisco, San Francisco, CA, 2001, 2002, 2003, 2004
3. Knee MRI. UCSF Visiting Fellowship Course. University of California at San Francisco, San Francisco, CA, 2001, 2002, 2003, 2004
4. Bone Marrow Imaging. UCSF Visiting Fellowship Course. University of California at San Francisco, San Francisco, CA, 2001, 2002, 2003, 2004
5. MRI of Sports Injuries. Walnut Creek Sports Medicine Update. Walnut Creek CA, 2004, 2005, 2006, 2007
6. MRI of Bone Marrow, a Problem-Solving Approach. UCSF Clinical MRI Conference. San Francisco, CA, 2004, 2005, 2006 and 2007
7. Foot and Ankle MRI Interpretation. Alameda Contra Costa County Podiatric Association. Walnut Creek CA, 2005
8. Musculoskeletal Imaging, What the Orthopedic Surgeon Wants to Know. Continuing Medical Education Visiting Fellowship. University of California at San Francisco, San Francisco, CA, 2005
9. MRI of Normal Variants, UCSF Clinical MRI Conference. San Francisco, CA, 2006
10. Musculoskeletal Cases. UCSF Radiology Review Conference. San Francisco, CA, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014
11. Visiting lecturer, Tripler Army Medical Center. Honolulu, HI, August 25-29, 2008
12. Foot and Ankle Sports Injuries. Alameda Contra Costa County Podiatric Association, Oakland CA, 2009
13. Foot and Ankle MRI Interpretation. Samuel Merritt University Podiatry Conference. Oakland CA, 2012
14. MRI of Bone Marrow, a Problem-Solving Approach. UC Davis Advances in Imaging. Sonoma CA, 2012
15. MRI of Normal Variants. UC Davis Advances in Imaging. Sonoma CA, 2012
16. Sports Imaging Update. American Orthopedic Society for Sports Medicine Conference, Las Vegas, NV, 2013

17. MRI Basics, Shades of Grey. 68th Annual Meeting of the American Society for Surgery of the Hand. Presenter and panel discussion moderator, San Francisco, CA, 2013
18. Musculoskeletal Unknown Case Review. UCSF Radiology Annual Review, Comprehensive Clinical Imaging. San Francisco, CA, 2013
19. Compliance and Oncology Session. Scientific session moderator. American Roentgen Ray Society Annual Meeting, San Diego CA, 2014
20. Foot and Ankle MRI Interpretation. Santa Clara Valley Podiatric Association. Los Gatos CA, 2016
21. Simple Protocol Design for MSK MDCT. International Society of Computed Tomography 18<sup>th</sup> Annual Symposium on CT. San Francisco, CA, 2016
22. MDCT of the Foot and Ankle. International Society of Computed Tomography 18<sup>th</sup> Annual Symposium on CT. San Francisco, CA, 2016
23. CT of Distal Radial Fractures, What Needs to Be Reported? International Society of Computed Tomography 18<sup>th</sup> Annual Symposium on CT. San Francisco, CA, 2016
24. Compliance and Oncology Session. Scientific session moderator. American Roentgen Ray Society Annual Meeting, Los Angeles CA, 2016
25. Bone Marrow, and MRI: A Practical Approach to Common Problems. Imaging in Hawaii. Maui, HI, 2018
26. Normal Variants of the Upper Extremities. Imaging in Hawaii. Maui, HI, 2018
27. Normal Variants of the Lower Extremities. Imaging in Hawaii. Maui, HI, 2018
28. Femoroacetabular Impingement Update: What Needs to be Reported. Imaging in Hawaii. Maui, HI, 2018
29. Journal Club: Recent Articles Important to Your Practice. Imaging in Hawaii. Maui, HI, 2018
30. Bone Marrow - What is Normal? Bones, Body and Brain MRI in Hawaii: Stanford Imaging Update. Maui, HI, 2018
31. Hamstring Injuries - Don't get Hamstrung! Bones, Body and Brain MRI in Hawaii: Stanford Imaging Update. Maui, HI, 2018
32. Bone Marrow - Abnormal Patterns. Bones, Body and Brain MRI in Hawaii: Stanford Imaging Update. Maui, HI, 2018
33. Important Upper and Lower Extremity Variants. Bones, Body and Brain MRI in Hawaii: Stanford Imaging Update. Maui, HI, 2018
34. Point/Counterpoint: Do You Believe in FAI? Bones, Body and Brain MRI in Hawaii: Stanford Imaging Update. Maui, HI, 2018
35. What Level is This? Making Sense of Transitional Spinal Anatomy. Bones, Body and Brain MRI in Hawaii: Stanford Imaging Update. Maui, HI, 2018
36. Soft Tissue Masses - Critical Features to Report. Bones, Body and Brain MRI in Hawaii: Stanford Imaging Update. Maui, HI, 2018
37. MRI of Bone Marrow, a Problem-Solving Approach. Hawaii Radiological Society. Honolulu HI, 2018
38. Imaging of Orthopedic Hardware, Visiting Lecturer, Tripler Army Medical Center, Honolulu HI, 2018
39. Radiologic Assessment of Bone Tumors, Visiting Lecturer, Tripler Army Medical Center, Honolulu HI, 2018
40. WHO Classification of Bone Tumors, Visiting Lecturer, Tripler Army Medical Center, Honolulu HI, 2018
41. Soft Tissue Masses - Critical Features to Report. Visiting Lecturer, Tripler Army Medical Center, Honolulu HI, 2018
42. Miscellaneous Bone Tumors. Visiting Lecturer, Tripler Army Medical Center, Honolulu HI, 2018

43. Foot and Ankle Radiography. Visiting Lecturer, Tripler Army Medical Center, Honolulu HI, 2018
44. Wrist CT. Visiting Lecturer, Tripler Army Medical Center, Honolulu HI, 2018
45. CT of Foot and Ankle Fractures Not to Miss. Visiting Lecturer, Tripler Army Medical Center, Honolulu HI, 2018
46. Femoroacetabular Impingement Update. The 11<sup>th</sup> Musculoskeletal Imaging in Clinical Practice 2018. Las Vegas, NV, 2018
47. MRI and Bone Marrow. The 11<sup>th</sup> Musculoskeletal Imaging in Clinical Practice 2018. Las Vegas, NV, 2018
48. What Level is This? Making Sense of Transitional Spinal Anatomy. The 11<sup>th</sup> Musculoskeletal Imaging in Clinical Practice 2018. Las Vegas, NV, 2018
49. Journal Club: Recent Articles Important to Your Practice. The 11<sup>th</sup> Musculoskeletal Imaging in Clinical Practice 2018. Las Vegas, NV, 2018
50. What Level is This? Making Sense of Transitional Spinal Anatomy. Imaging in Hawaii. Kauai, HI, 2019
51. Compliance and Oncology Session. Scientific session moderator. American Roentgen Ray Society Annual Meeting, Honolulu HI, 2019
52. Journal Club: Recent Articles Important to Your Practice. Imaging in Hawaii. Kauai, HI, 2019
53. Hamstring Injuries - An Overview. Imaging in Hawaii. Kauai, HI, 2019
54. Soft Tissue Masses - Critical Features to Report. Imaging in Hawaii. Kauai, HI, 2019
55. Musculoskeletal Cases - Beyond the Usual. Imaging in Hawaii. Kauai, HI, 2019
56. MRI Shoulder Update. CME Science video course, 2020
57. MRI Hip Update. CME Science video course, 2020
58. Know Your Less Frequent Anatomy, Upper Extremity. CME Science video course, 2020
59. Know Your Less Frequent Anatomy, Lower Extremity. CME Science video course, 2020
60. MRI of Bone Marrow. CME Science video course, 2020
61. Tenosynovial Giant Cell Tumor. Video presentation for RapidCME.com, 2020
62. Hamstring Injuries. Imaging in Jackson Hole. Jackson Hole WY, 2021
63. MSK Cases. Imaging in Jackson Hole. Jackson Hole WY, 2021
64. MRI Shoulder Updates. Imaging in Jackson Hole. Jackson Hole WY, 2021
65. MRI of Normal Variants. Imaging in Jackson Hole. Jackson Hole WY, 2021
66. Transitional Spine Anatomy. Imaging in Jackson Hole. Jackson Hole WY, 2021
67. Soft Tissue Tumors, What to Report. Imaging in Jackson Hole. Jackson Hole WY, 2021
68. MRI of Bone Marrow. 38th Annual Magnetic Resonance Imaging 2021: National Symposium. Las Vegas, NV, 2021
69. MRI of Normal Variants. 38th Annual Magnetic Resonance Imaging 2021: National Symposium. Las Vegas, NV, 2021
70. Shoulder MRI. 38th Annual Magnetic Resonance Imaging 2021: National Symposium. Las Vegas, NV, 2021
71. Soft Tissue Tumors, What to Report. 38th Annual Magnetic Resonance Imaging 2021: National Symposium. Las Vegas, NV, 2021
72. MRI Shoulder Updates. Musculoskeletal MRI, Musculoskeletal Ultrasound and Neuroradiology. Las Vegas, NV, 2021
73. MRI of Normal Variants: Upper Extremity. Musculoskeletal MRI, Musculoskeletal Ultrasound and Neuroradiology. Las Vegas, NV, 2021
74. MRI of Normal Variants: Lower Extremity. Musculoskeletal MRI, Musculoskeletal Ultrasound and Neuroradiology. Las Vegas, NV, 2021
75. MRI of Lesser-Known Anatomy: Upper Extremity. Musculoskeletal MRI, Musculoskeletal Ultrasound and Neuroradiology. Las Vegas, NV, 2021

76. MRI of Lesser-Known Anatomy: Lower Extremity. Musculoskeletal MRI, Musculoskeletal Ultrasound and Neuroradiology. Las Vegas, NV, 2021
77. Bone Marrow and MRI: Practical Solutions to Common Problems. Musculoskeletal MRI, Musculoskeletal Ultrasound and Neuroradiology. Las Vegas, NV, 2021
78. MRI Hip Updates. Musculoskeletal MRI, Musculoskeletal Ultrasound and Neuroradiology. Las Vegas, NV 2021
79. MRI of the Hip. Imaging in Hawaii. Kauai, HI, 2022
80. Bone Marrow, Normal and Abnormal Patterns. Imaging in Hawaii. Kauai, HI, 2022
81. Challenging Anatomy, Upper Extremity. Imaging in Hawaii. Kauai, HI, 2022
82. Challenging Anatomy, Lower Extremity. Imaging in Hawaii. Kauai, HI, 2022
83. MRI of the Shoulder, Updates. Imaging in Hawaii. Kauai, HI, 2022
84. Brachial Plexus, Anatomy and Pathology. Imaging Update in Santa Fe. Santa Fe NM 2022
85. Hamstrings, Anatomy and Pathology. Imaging Update in Santa Fe. Santa Fe NM 2022
86. Osteochondral Lesions: What to Call Them. Imaging Update in Santa Fe. Santa Fe NM 2022
87. MSK Cases You Will See. Imaging Update in Santa Fe. Santa Fe NM 2022
88. MSK Cases You Might See. Imaging Update in Santa Fe. Santa Fe NM 2022
89. Soft Tissue Masses, What to Report. Imaging Update in Santa Fe. Santa Fe, NM 2022
90. Challenging Anatomy, Upper Extremity. Imaging in Jackson Hole. Jackson Hole, WY 2022
91. Challenging Anatomy, Lower Extremity. Imaging in Jackson Hole. Jackson Hole, WY 2022
92. MRI of Infections, What Terms to Use. Imaging in Jackson Hole. Jackson Hole, WY 2022
93. Bone Marrow, Normal Patterns. Imaging in Jackson Hole. Jackson Hole, WY 2022
94. Bone Marrow, Abnormal Patterns. Imaging in Jackson Hole. Jackson Hole, WY 2022
95. MSK Cases You Will See. Imaging in Jackson Hole. Jackson Hole, WY 2022
96. MSK Cases You Might See. Imaging in Jackson Hole. Jackson Hole, WY 2022
97. Topics in MRI of the Hip. Musculoskeletal Imaging Update. Las Vegas, NV, 2022
98. Incidental Bone Lesions - What to Do? Musculoskeletal Imaging Update. Las Vegas, NV, 2022
99. Soft Tissue Masses, Pitfalls. Musculoskeletal Imaging Update. Las Vegas, NV, 2022
100. Sports Cases Upper Extremity. Musculoskeletal Imaging Update. Las Vegas, NV, 2022
101. Sports Cases Lower Extremity. Musculoskeletal Imaging Update. Las Vegas, NV, 2022
102. Subchondral Lesions - What to Call Them. Musculoskeletal Imaging Update. Las Vegas, NV, 2022
103. Soft Tissue Masses - What to Report. Musculoskeletal Imaging Update. Las Vegas, NV, 2022
104. Pectoralis Muscle Tears - Keep it Simple. Musculoskeletal Imaging Update. Las Vegas, NV, 2022
105. Making Sense of the Knee Extensor Mechanism. Musculoskeletal Imaging Update. Las Vegas, NV, 2022
106. MRI, Sports Injuries, Upper Extremities. East Meets West Imaging Update on Kauai - Diagnostic Imaging Update. Kauai, HI, 2023
107. MRI, Sports Injuries, Lower Extremities. East Meets West Imaging Update on Kauai - Diagnostic Imaging Update. Kauai, HI, 2023
108. MRI of Infections, What Terms to Use. East Meets West Imaging Update on Kauai - Diagnostic Imaging Update. Kauai, HI, 2023
109. Brachial Plexus, Anatomy and Pathology. East Meets West Imaging Update on Kauai - Diagnostic Imaging Update. Kauai, HI, 2023
110. Osteochondral Lesions. East Meets West Imaging Update on Kauai - Diagnostic Imaging Update. Kauai, HI, 2023
111. Tumor and Spine Session. Scientific session moderator. American Roentgen Ray Society Annual Meeting, Honolulu HI, 2023

112. Pitfalls in MRI of Soft Tissue Tumors. Diagnostic Imaging Update: Breast, MSK and Neuro at Banff, Canada, 2024
113. Shoulder MRI Topics. Diagnostic Imaging Update: Breast, MSK and Neuro at Banff, Canada, 2024
114. Some Challenging MRI Anatomy. Diagnostic Imaging Update: Breast, MSK and Neuro at Banff, Canada, 2024
115. Learning Through Cases Part 1, the Common. Diagnostic Imaging Update: Breast, MSK and Neuro at Banff, Canada, 2024
116. Learning Through Cases Part 2, the Unusual. Diagnostic Imaging Update: Breast, MSK and Neuro at Banff, Canada, 2024
117. MRI of Infections, What Terms to Use. Diagnostic Imaging Update: Breast, MSK and Neuro at Banff, Canada, 2024
118. A Variety of Variants, Upper Extremity. Diagnostic Imaging Update: Breast, MSK and Neuro at Banff, Canada, 2024
119. A Variety of Variants, Lower Extremity. Diagnostic Imaging Update: Breast, MSK and Neuro at Banff, Canada, 2024
120. Sports Cases, Upper Extremity. Diagnostic Imaging Update in Costa Rica, 2024
121. Sports Cases, Lower Extremity. Diagnostic Imaging Update in Costa Rica, 2024
122. Cartilage - Anatomy, Lesions and Treatment. Diagnostic Imaging Update in Costa Rica, 2024
123. Osteochondral Lesions - What to Call Them. Diagnostic Imaging Update in Costa Rica, 2024
124. Musculoskeletal Infections - Latest Terminology. Diagnostic Imaging Update in Costa Rica, 2024
125. Brachial Plexus - Anatomy and Pathology. Diagnostic Imaging Update in Costa Rica, 2024
126. Sports Injuries Upper Extremity, Concepts and Cases. Imaging Update on Maui. Maui, HI, 2024
127. Sports Injuries Lower Extremity, Concepts and Cases. Imaging Update on Maui. Maui, HI, 2024
128. Cartilage, Anatomy, Lesions and Treatment. Imaging Update on Maui. Maui, HI, 2024
129. Osteochondral Lesions, What to Call. Imaging Update on Maui. Maui, HI, 2024
130. A Variety of Variants. Imaging Update on Maui. Maui, HI, 2024
131. Knee Extensor Mechanism, What to Report. Imaging Update on Maui. Maui, HI, 2024
132. Tumor and Infection Session. Scientific session moderator. American Roentgen Ray Society Annual Meeting, Boston MA, 2024
133. Shoulder, How I Read and Case Discussion. MSK MRI: How We Do it, Cases and Hot Topics. Las Vegas, NV, 2025
134. Wrist and Hand, How I Read and Case Discussion. MSK MRI: How We Do it, Cases and Hot Topics. Las Vegas, NV, 2025
135. Pectoralis and Chest Wall Injuries. MSK MRI: How We Do it, Cases and Hot Topics. Las Vegas, NV, 2025
136. Is that Bone Marrow Normal? MSK MRI: How We Do it, Cases and Hot Topics. Las Vegas, NV, 2025
137. Ankle, How I Read and Case Discussion. How We Do it, Cases and Hot Topics. Las Vegas, NV, 2025
138. How I Read Soft Tissue Tumors. How We Do it, Cases and Hot Topics. Las Vegas, NV, 2025
139. Soft Tissue Tumor Pitfalls. How We Do it, Cases and Hot Topics. Las Vegas, NV, 2025
140. Osteochondral Lesions - What to Call Them. How We Do it, Cases and Hot Topics. Las Vegas, NV, 2025
141. Spine Terminology 2.0. How We Do it, Cases and Hot Topics. Las Vegas, NV, 2025
142. Sports Injuries. Imaging Update in Disneyland. Anaheim Ca, 2025
143. Knee Extensor Mechanism, What to Report. Imaging Update in Disneyland. Anaheim Ca, 2025
144. MRI of Cartilage Lesions. Imaging Update in Disneyland. Anaheim Ca, 2025

145. Spine Terminology 2.0. Imaging Update in Disneyland. Anaheim Ca, 2025
146. Sports Injuries. Imaging Update in Jackson Hole. Jackson Hole WY, 2025
147. Knee Extensor Mechanism, What to Report. Imaging Update in Jackson Hole. Jackson Hole WY, 2025
148. MRI of Cartilage Lesions. Imaging Update in Jackson Hole. Jackson Hole WY, 2025
149. Spine Terminology 2.0. Imaging Update in Jackson Hole. Jackson Hole WY, 2025

## **MAJOR TEACHING ACTIVITIES**

1. Radiology resident conferences and boards review, University of California at San Francisco, 2001-2013
2. Radiology resident conferences, University of California at Davis, 2012-2013
3. Radiology boards review, Stanford University, 2010-present
4. MRI educational presentations to PMR residents, Stanford University, 2013
5. Medical school clerkship, Stanford University, 2013, 2014
6. Educational presentations to orthopedic physician assistants, Stanford Healthcare, 2013
7. Educational presentations to MRI Technologists, Stanford Healthcare, 2013
8. Radiology resident conference, Professionalism in Radiology, Stanford University, 2014
9. Radiology resident conference, Radiology of Orthopedic Hardware, Stanford University, 2013, 2015
10. Radiology resident conference, Radiology Cases, Stanford University, 2015
11. Radiology resident conference, MRI of the Foot and Ankle, Stanford University, 2015
12. Radiology resident conference, Pitfalls in Bone Radiology, Stanford University, 2016
13. Radiology resident conference, Ankle and Foot Radiology, Stanford University, 2016
14. Radiology resident conference, Knee and Shoulder MRI, Stanford University, 2017
15. Knee and Shoulder MRI, Pediatric Orthopedic PA group, Stanford University, 2017
16. Radiology Resident conference, Infections and Orthopedic Hardware, MRI, Stanford University, 2017
17. Radiology resident conference, Knee Radiology, Stanford University, 2018
18. Radiology resident conference, MRI of the Foot and Ankle, Stanford University, 2019
19. Physical medicine and rehabilitation conference, musculoskeletal MRI, Stanford University, 2020
20. Knee and Shoulder MRI, PMNR residents, Stanford University, 2019
21. MRI of Musculoskeletal Infections, Department of Medicine Grand Rounds, Stanford University, 2019
22. Radiology 301A Medical Student Radiology Clerkship, Introduction to Trauma, 2019
23. Radiology resident conference, Shoulder MRI, Stanford University, 2020
24. Radiology-pathology educational conference, Stanford University, 2020
25. Radiology resident conference, Assessment of Bone Tumors, Stanford University, 2020
26. Bone Tumors, A Case Based Approach, Stanford University, 2021
27. Knee MRI, Stanford University, 2021
28. Shoulder MRI, Stanford University, 2022
29. Bone Tumors Boards Review, Stanford University, 2022
30. Injection Simulation Session, Stanford University, 2022
31. Radiology of Hardware, Stanford University, 2022
32. Introduction to Bone Tumors, Stanford University, 2023
33. MSK Cases, Stanford University, 2024
34. Introduction to Bone Tumors, Stanford University, 2025
35. MSK Board Review, Stanford University, 2025
36. Practical Mastery of MSK Imaging. Video course, Meetings by Mail, 2025

37. Knee Imaging, Stanford University, 2025
38. MRI of the Hand and Wrist, Orthopedic Stanford Hand Fellowship, 2025