

# Ji Hyun Lee, M.D., Ph.D.

Department of Radiology, Samsung Medical Center,  
Sungkyunkwan University School of Medicine  
(06351) 81 Ilwon-Ro, Gangnam-gu, Seoul, Republic of Korea



*GCP certified on 2023-12-06  
Samsung Medical Center (SMC-INV- 230573)*

## EDUCATION

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<b>Sungkyunkwan University</b> <i>Ph.D. in Medical Science</i>	Seoul, Korea <i>March 2018 – August 2020</i>
<b>Sungkyunkwan University</b> <i>Master of Science in Medicine</i>	Seoul, Korea <i>March 2012 – August 2014</i>
<b>Seoul National University</b> <i>Premedical course – M.D.</i>	Seoul, Korea <i>March 2004 – February 2010</i>

## POST-GRADUATE TRAINING

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<b>Samsung Medical Center</b> <i>Fellowship in Musculoskeletal Radiology</i>	Seoul, Korea <i>May 2018 – February 2020</i>
<b>Samsung Medical Center</b> <i>Residency in Radiology</i>	Seoul, Korea <i>March 2011 – February 2015</i>
<b>Seoul National University Hospital</b> <i>Internship</i>	Seoul, Korea <i>March 2010 – February 2011</i>

## EMPLOYMENT

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<b>Samsung Medical Center, Sungkyunkwan University School of Medicine</b> <i>Assistant Professor (Musculoskeletal Radiology)</i>	Seoul, Korea <i>March 2024 – current</i>
<b>Stanford University</b> <i>Visiting Scholar (Supervisor: Dr. Garry Gold)</i>	Stanford, CA, USA <i>April 2024 – March 2025</i>
<b>Samsung Medical Center</b> <i>Clinical Assistant Professor (Musculoskeletal Radiology)</i>	Seoul, Korea <i>March 2022 – February 2024</i>
<b>Samsung Medical Center</b> <i>Clinical Instructor (Musculoskeletal Radiology)</i>	Seoul, Korea <i>March 2020 – February 2022</i>

## CERTIFICATION AND LICENSURE

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<b>Korean Board of Radiology</b> <i>No. 3462</i>	Korean Medical Association <i>March 2015</i>
<b>License of Medical Doctor</b> <i>No. 105145</i>	Korean Medical Association <i>March 2010</i>

## HONORS AND AWARDS

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<b>The 1<sup>st</sup> academic award</b> <i>Korean Society of Musculoskeletal Radiology</i>	Seoul, Korea <i>January 2024</i>
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<b>The 2<sup>nd</sup> academic award</b> <i>Korean Society of Musculoskeletal Radiology</i>	Seoul, Korea April 2025
<b>Best oral presentation award</b> <i>ICMRI &amp; 24<sup>th</sup> Annual scientific meeting of KSMRM</i>	Seoul, Korea March 2019
<b>Best oral presentation award</b> <i>ICMRI &amp; 23<sup>rd</sup> Annual scientific meeting of KSMRM</i>	Seoul, Korea March 2018
<b>Best presentation award</b> <i>35<sup>th</sup> Scientific Assembly and Annual Delegate Meeting of the KSAR</i>	Jeju, Korea June 2012
<b>Certificate of Merit</b> <i>Radiological Society of North America</i>	Chicago, IL, USA December 2011

## PROFESSIONAL AFFILIATIONS

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<b>The Korean Society of Musculoskeletal Radiology</b> <i>Secretary, Scientific Committees</i>	2024 – present
<b>The Korean Society of Musculoskeletal MRI</b> <i>Chair, Scientific Committees</i>	2024 – present
<b>The Korean Society of Ultrasound in Medicine</b> <i>Member, Public Relation Committee</i>	2022 – present
<b>The Korean Society for Spine Radiology</b> <i>Member</i>	2018 – present
<b>The Korean Society of Magnetic Resonance in Medicine</b> <i>Member</i>	2017 – present
<b>The Korean Radiological Society</b> <i>Member</i>	2011 – present

## PUBLICATIONS

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- Jiwoong Yu, Hyeonju Ahn, Kyung Yeon Han, Wan Song, Hyun Hwan Sung, Hwang Gyun Jeon, Byong Chang Jeong, Seong Il Seo, Seong Soo Jeon, Se Hoon Park, Woong-Yang Park, **Ji Hyun Lee**, Minyong Kang. Paradoxical Effect of Myosteatorsis on the Immune Checkpoint Inhibitor Response in Metastatic Renal Cell Carcinoma. *Journal of Cachexia, Sarcopenia and Muscle* 2025; 16:e13758 (epub)
  - Ji Hyun Lee**, Danbee Kang, Junghee Lee, Yeong Jeong Jeon, Seong Yong Park, Jong Ho Cho, Yong Soo Choi, Jhingook Kim, Young Mog Shim, Sunga Kong, Hong Kwan Kim, Juhee Cho. Association of Obesity and Skeletal Muscle with Postoperative Survival in Non-Small Cell Lung Cancer. *Radiology* 2025; 314(1):e241507.
  - Yujin Seo, Young Cheol Yoon, Hyun Su Kim, Sung Wook Seo, Yoon-La Choi, Kyunga Kim, **Ji Hyun Lee**. Clinical and radiologic features of soft tissue sarcoma in trunk and extremities that underwent unplanned excision. *PLoS ONE* 2024; 19(12): e0311300.
  - Tae Ran Ahn, Young Cheol Yoon, Hyun Su Kim, Kyunga Kim, **Ji Hyun Lee**. Correlation of body composition metrics with bone mineral density and computed tomography-based trabecular attenuation. *European Journal of Radiology* 2024; 171: 111323.
  - Yong Jae Kwon, Young Cheol Yoon, Hyun Su Kim, Min Jae Cha, Sehhoon Park, **Ji Hyun Lee**. Prognostic significance of body mass index in small-cell lung cancer: Exploring the relationship with skeletal muscle status. *Journal of Cachexia, Sarcopenia and Muscle* 2023; 14(6): 2939-2947.
  - Ji Hyun Lee**, Danbee Kang, Jin Seok Ahn, Eliseo Guallar, Juhee Cho, Ho Yun Lee. Obesity paradox in patients with non-small cell lung cancer undergoing immune checkpoint inhibitor therapy. *Journal of Cachexia, Sarcopenia and Muscle* 2023; 14(6): 2898-2907.
  - Tae Ran Ahn, Young Cheol Yoon, Hyun Su Kim, Kyunga Kim, **Ji Hyun Lee**. Association Between Pelvic Bone Computed Tomography-Derived Body Composition and Patient Outcomes in Older Adults With Proximal Femur

Fracture. *Korean Journal of Radiology* 2023; 24(5): 434-443.

8. **Ji Hyun Lee**, Soohyun Hwang, ByulA Jee, Jae-Hun Kim, Jihwan Lee, Jae Hoon Chung, Wan Song, Hyun Hwan Sung, Hwang Gyun Jeon, Byong Chang Jeong, Seong Il Seo, Seong Soo Jeon, Hyun Moo Lee, Se Hoon Park, Ghee Young Kwon, Minyong Kang. Fat Loss in Patients with Metastatic Clear Cell Renal Cell Carcinoma Treated with Immune Checkpoint Inhibitors. *International Journal of Molecular Sciences* 2023;24(4),3994.
9. **Ji Hyun Lee**, Sujin Hyung, Jeeyun Lee, Sang-Hee Choi. Visceral adiposity and systemic inflammation in the obesity paradox in patients with unresectable or metastatic melanoma undergoing immune checkpoint inhibitor therapy: a retrospective cohort study. *Journal for ImmunoTherapy of Cancer* 2022;10(8): e005226.
10. **Ji Hyun Lee**, Young Cheol Yoon, Hyun Su Kim, Min Jae Cha, Jae-Hun Kim, Kyunga Kim, Hye Seung Kim. Obesity is associated with improved postoperative overall survival, independent of skeletal muscle mass in lung adenocarcinoma. *Journal of Cachexia, Sarcopenia and Muscle* 2022; 13(2): 1076-1086.
11. **Ji Hyun Lee**, Young Cheol Yoon, Hyun Su Kim, Jiyeong Lee, Eunju Kim, Christian Findelee, Ulrich Katscher. In vivo electrical conductivity measurement of muscle, cartilage, and peripheral nerve around knee joint using MR-electrical properties tomography. *Scientific Reports* 2022; 12:73.
12. **Ji Hyun Lee**, Byul A Jee, Jae-Hun Kim, Hoyoung Bae, Jae Hoon Chung, Wan Song, Hyun Hwan Sung, Hwang Gyun Jeon, Byong Chang Jeong, Seong Il Seo, Seong Soo Jeon, Hyun Moo Lee, Se Hoon Park, Minyong Kang. Prognostic Impact of Sarcopenia in Patients with Metastatic Hormone-Sensitive Prostate Cancer. *Cancers* 2021; 13:6345.
13. **Ji Hyun Lee**, Gyu Sang Yoo, Young Cheol Yoon, Hee Chul Park, Hyun Su Kim. Diffusion-weighted and dynamic contrast-enhanced magnetic resonance imaging after radiation therapy for bone metastases in patients with hepatocellular carcinoma. *Scientific Reports* 2021; 11: 10459.
14. Hyun Su Kim, **Ji Hyun Lee**, Young Cheol Yoon, Min Jae Cha, Soo Hyun Nam, Hye Mi Kwon, Seonwoo Kim, Hojeong Won, Byung-Ok Choi. Intraepineurial fat quantification and cross-sectional area analysis of the sciatic nerve using MRI in Charcot-Marie-Tooth disease type 1A patients. *Scientific Reports* 2021; 11:21535.
15. **Ji Hyun Lee**, Young Cheol Yoon, Hyun Su Kim, Jae-Hun Kim, Byung-Ok Choi. Texture analysis using T1-weighted images for muscles in Charcot-Marie-Tooth disease patients and volunteers. *European Radiology* 2021; 31(5): 3508-3517.
16. **Ji Hyun Lee**, Hyun Su Kim, Young Cheol Yoon, Min Jae Cha, Sun-Ho Lee, EunSang Kim. Differentiating between spinal schwannomas and meningiomas using MRI: A focus on cystic change. *PLoS ONE* 2020 May 29;15(5):e0233623.
17. **Ji Hyun Lee**, Hyun Su Kim, Young Cheol Yoon, Sung Wook Seo, Min Jae Cha, Wook Jin, Jang Gyu Cha. Characterization of small, deeply located soft-tissue tumors: Conventional magnetic resonance imaging features and apparent diffusion coefficient for differentiation between non-malignancy and malignancy. *PLoS ONE* 2020 May 7;15(5):e0232622.
18. **Ji Hyun Lee**, Hyun Su Kim, Young Cheol Yoon, Min Je Kim, Min Jae Cha, Jung-Han Kim. Effectiveness of preoperative ultrasound-guided charcoal tattooing for localization of metastatic melanoma. *Ultrasonography* 2020; 39(4): 376-383.
19. **Ji Hyun Lee**, Young Cheol Yoon, Sung Wook Seo, Yoon-La Choi, Hyun Su Kim. Soft tissue sarcoma: DWI and DCE-MRI parameters correlate with Ki-67 labeling index. *European radiology* 2020; 30(2): 914-924.
20. **Ji Hyun Lee**, Young Cheol Yoon, Wook Jin, Jang Gyu Cha, Seonwoo Kim. Development and Validation of Nomograms for Malignancy Prediction in Soft Tissue Tumors Using Magnetic Resonance Imaging Measurements. *Scientific Reports* 2019; 9(1): 4897.
21. **Ji Hyun Lee**, Young Cheol Yoon, Ki Jeong Park, Joon Ho Wang. Diagnosis of Internal Derangement of the Knee: Volume Isotropic Turbo Spin-Echo Acquisition MRI With Fat Suppression Versus Without Fat Suppression. *American Journal of Roentgenology* 2017: 1-8.
22. **Ji Hyun Lee**, Ho Yun Lee, Myung-Ju Ahn, Keunchil Park, Jin Seok Ahn, Jong-Mu Sun, Kyung Soo Lee. Volume-based growth tumor kinetics as a prognostic biomarker for patients with EGFR mutant lung adenocarcinoma undergoing EGFR tyrosine kinase inhibitor therapy: a case control study. *Cancer Imaging*. 2016; 16(1): 5.
23. **Ji Hyun Lee**, Jung Hee Shin, Hyun-Woo Lee, Young Lyun Oh, Soo Yeon Hahn, Eun Young Ko. Sonographic and cytopathologic correlation of papillary thyroid carcinoma variants. *Journal of Ultrasound in Medicine* 2015; 34(1): 1-15.

24. **Ji Hyun Lee**, Young Cheol Yoon, Jee Young Jung, Jae Chul Yoo. Rotator cuff tears noncontrast MRI compared to MR arthrography. *Skeletal Radiology* 2015; 44(2): 1745-1754.
25. **Ji Hyun Lee**, Young Cheol Yoon, Sukkyung Jee, Jong Won Kwon, Jang Gyu Cha, Jae Chul Yoo. Comparison of three-dimensional isotropic and two-dimensional conventional indirect MR arthrography for the diagnosis of rotator cuff tears. *Korean Journal of Radiology* 2014; 15(6): 771-780.
26. **Ji Hyun Lee**, Young Cheol Yoon, and Sukkyung Jee. Diagnostic performance of indirect MR arthrography for the diagnosis of rotator cuff tears at 3.0 T. *Acta Radiologica* 2015; 56(6): 720-726.
27. Tae Ran Ahn, **Ji Hyun Lee**, Jungbok Lee. Effect of contrast media on CT bone density assessment: comparative analysis of low-dose chest CT and abdominopelvic CT. *Scientific Reports* 2024; 14, 28378.
28. Yu Jin Im, **Ji Hyun Lee**, Young Cheol Yoon, Jae Woo Shim, Du Hwan Kim, Duk Hyun Sung. Single center experience with hourglass-like constriction neuropathy of suprascapular nerve. *Muscle Nerve* 2024;1-7.
29. Seung-Ah Lee, Hyun Su Kim, Ehwa Yang, Young Cheol Yoon, **Ji Hyun Lee**, Byung-Ok Choi, Jae-Hun Kim. Efficient data labeling strategies for automated muscle segmentation in lower leg MRIs of Charcot-Marie-Tooth disease patients. *PLoS ONE* 2024; 19(9):e0310203
30. Sangmin Lee, Jae-Hun Kim, Wan Song, Hyun Hwan Sung, Hwang Gyun Jeon, Byong Chang Jeong, Seong Il Seo, Seong Soo Jeon, Se Hoon Park, **Ji Hyun Lee**, Jiwoong Yu, Minyong Kang. Prognostic Role of Pre-Treatment Body Composition Parameters in Patients Undergoing First-Line Immunotherapy for Metastatic Renal Cell Carcinoma. *Cancer Manag Res* 2024; 16:1091-1101.
31. Yeo Jin Kim, Hyun Su Kim, **Ji Hyun Lee**, Young Cheol Yoon. Ultrasound and CT findings of subcutaneous metastases in trunk and pelvis: a comprehensive analysis. *Skeletal Radiol* 2024: 1-11. (epub)
32. Chorog Song, Hyun Su Kim, **Ji Hyun Lee**, Young Cheol Yoon, Sungjoon Lee, Sun-Ho Lee, Eun-Sang Kim. Development of a novel prediction model for differential diagnosis between spinal myxopapillary ependymoma and schwannoma. *Scientific Reports* 2024; 14(1): 149. (epub)
33. Seulkee Lee, Uju Jeon, **Ji Hyun Lee**, Seonyoung Kang, Hyungjin Kim, Jaejoon Lee, Myung Jin Chung, Hoon-Suk Cha. Artificial intelligence for the detection of sacroiliitis on magnetic resonance imaging in patients with axial spondyloarthritis. *Frontiers in Immunology* 2023;14, 1278247.
34. Byoung Hyuck Kim, Kichul Shin, Min Jung Kim, Hak Jae Kim, Du Hyun Ro, Joon Ho Wang, Dae-Hee Lee, Dong Hyun Kim, Jiyu Sun, **Ji Hyun Lee**, Ji Young Kim, Eun-Hee Hong, Seong-Jun Cho, Hyuk-Soo Han, Won Park. Low-dose RaDiation therapy for patients with KNe osteoArthritis (LoRD-KNeA): a protocol for a sham-controlled randomised trial. *BMJ open* 2023;13(2), e069691.
35. So Yeon Cha, Hyun Su Kim, **Ji Hyun Lee**, Young Cheol Yoon. Skeletal muscle metastases of the trunk and pelvis: focus on ultrasound, CT findings, and clinical manifestations. *The British Journal of Radiology* 2022;95(1139): 20220513.
36. Yeo Jin Kim, Hyun Su Kim, **Ji Hyun Lee**, Young Cheol Yoon, Byung-Ok Choi. Magnetic resonance imaging-based lower limb muscle evaluation in Charcot-Marie-Tooth disease type 1A patients and its correlation with clinical data. *Scientific Reports* 2022;12(1): 1-8.
37. Nari Shin, Hyun Su Kim, **Ji Hyun Lee**, So Yeon Cha, Min Jae Cha. Juxtaneural ganglia arising from the hip joint: focus on magnetic resonance imaging findings and clinical manifestations. *Skeletal Radiology* 2022; 51(7):1439-1452.
38. Jiyeong Lee, Young Cheol Yoon, **Ji Hyun Lee**, Hyun Su Kim. Which Parameter Influences Local Disease-Free Survival after Radiation Therapy due to Osteolytic Metastasis? A Retrospective Study with Pre- and Post-Radiation Therapy MRI including Diffusion-Weighted Images. *Journal of Clinical Medicine* 2022; 11(1): 106.
39. Tae Ran Ahn, Young Cheol Yoon, Jae Chul Yoo, Hyun Su Kim, **Ji Hyun Lee**. Diagnostic performance of conventional magnetic resonance imaging for detection and grading of subscapularis tendon tear according to Yoo and Rhee classification system in patients underwent arthroscopic rotator cuff surgery. *Skeletal Radiology* 2022; 51(3): 659-668.
40. Chu Hyun Kim, **Ji Hyun Lee**, Ji Won Lee, Eunju Kim, Sang-Hee Choi. Introducing a New Biomarker Named R2\*-BOLD-MRI Parameter to Assess Treatment Response in Osteosarcoma. *J Magn Reson Imaging* 2022; 56(2): 538-546.
41. Hyun Su Kim, Young Cheol Yoon, Soyi Kwon, **Ji Hyun Lee**, Soohyun Ahn, Hyeon Seon Ahn. Dynamic Contrast-enhanced MR Imaging Parameters in Bone Metastases from Non-Small Cell Lung Cancer: Comparison between Lesions with and Lesions without Epidermal Growth Factor Receptor Mutation in Primary Lung Cancer. *Radiology* 2017: 162336.

42. Yoon Ki Cha, Ho Yun Lee, Myung-Ju Ahn, Yoon-La Choi, Ji Hyun Lee, Keunchil Park, Kyung Soo Lee. Survival outcome assessed according to tumor burden and progression patterns in patients with epidermal growth factor receptor mutant lung adenocarcinoma undergoing epidermal growth factor receptor tyrosine kinase inhibitor therapy. *Clinical lung cancer* 2015; 16(3): 228-236.

## SCIENTIFIC PRESENTATIONS

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1. Ji Hyun Lee, Chan Kyo Kim, Sung Yoon Park, Byung Kwan Park, Bohyun Kim. Differentiation of Central Gland Prostate Cancer from Benign Prostatic Hyperplasia Using Diffusion Tensor MR Imaging. Radiological Society of North America 2011 Scientific Assembly and Annual Meeting, Chicago IL. November 26 - December 2, 2011.
2. Ji Hyun Lee, Young Cheol Yoon, Suk Kyung Ji. Comparison of three-dimensional indirect isotropic MR arthrography and conventional MR arthrography for the diagnosis of rotator cuff tears, p365, The 68th Korean Congress of Radiology and Annual Delegate Meeting of The Korean Society of Radiology, Seoul, Korea, October 18-20, 2012.
3. Ji Hyun Lee, Young Cheol Yoon, Sukkyung Ji. Diagnostic performance of indirect MR arthrography for the diagnosis of rotator cuff tears, p490, The 69th Korean Congress of Radiology and Annual Delegate Meeting of The Korean Society of Radiology, Seoul, Korea, October 9 -12, 2013.
4. Ji Hyun Lee, Ho Yun Lee, Jae-Hun Kim, Myung-Ju Ahn, Hee Kang, Kyung Soo Lee. Which response criteria best help predict survival of patients with EGFR-mutant lung adenocarcinoma following EGFR tyrosine kinase inhibitor? p163, 3rd World Congress of Thoracic Imaging, Seoul, Korea, June 8-11, 2013.
5. Ji Hyun Lee, Young Cheol Yoon, Suk Kyung Ji. Comparison of three-dimensional indirect isotropic MR arthrography and conventional MR arthrography for the diagnosis of rotator cuff tears, p159, European Congress of Radiology, Vienna, Austria, March 7-11, 2013.
6. Ji Hyun Lee, Ho Yun Lee, Jae-Hun Kim, Myung-Ju Ahn, Hee Kang, Kyung Soo Lee. Which response criteria best help predict survival of patients with EGFR-mutant lung adenocarcinoma following EGFR tyrosine kinase inhibitor? p153, European Congress of Radiology, Vienna, Austria, March 7-11, 2013.
7. Ji Hyun Lee, Young Cheol Yoon, Soyi Kwon. Comparison of indirect MR arthrography and noncontrast MRI for the diagnosis of rotator cuff tears. p271, The 71th Korean Congress of Radiology and Annual Delegate Meeting of The Korean Society of Radiology, Seoul, Korea, September 9 -12, 2015.
8. Ji Hyun Lee, Young Cheol Yoon, Wook Jin, Jang Gyu Cha, Seonwoo Kim. Development and Validation of Nomogram for Predicting Malignancy in Soft Tissue Tumor Using Conventional and Diffusion-weighted MR Imaging Parameters. P60, 6th International Congress on Magnetic Resonance Imaging and 23rd Annual Scientific Meeting of KSMRM, Seoul, Korea, March 29-31, 2018.
9. Ji Hyun Lee, Young Cheol Yoon, Wook Jin, Jang Gyu Cha, Seonwoo Kim. Development and Validation of Nomogram for Predicting Malignancy in Soft Tissue Tumor Using Conventional and Diffusion-weighted MR Imaging Parameters. P124, The 24th Korean Congress of Radiology and Annual Delegate Meeting of The Korean Society of Radiology, Seoul, Korea, September 12-15, 2018.
10. Ji Hyun Lee, Young Cheol Yoon. Correlation of Diffusion-weighted and Dynamic Contrast-enhanced MRI with the Ki-67 Labeling Index in Soft Tissue Sarcoma. P29, 7th International Congress on Magnetic Resonance Imaging and 24th Annual Scientific Meeting of KSMRM, Seoul, Korea, March 28-30, 2019.
11. Ji Hyun Lee, Hyun Su Kim, Young Cheol Yoon, Wook Jin, Jang Gyu Cha. Small-sized Soft Tissue Tumor with Deep Location: Can MRI Be Used to Differentiate Benign from Malignancy? P30, 7th International Congress on Magnetic Resonance Imaging and 24th Annual Scientific Meeting of KSMRM, Seoul, Korea, March 28-30, 2019.
12. Ji Hyun Lee, Young Cheol Yoon, Sung Wook Seo, Yoon-La Choi, Hyun Su Kim. Diffusion-weighted and dynamic contrast-enhanced MRI parameters in soft tissue sarcoma – correlation with the Ki-67 labeling index. P38, The 75th Korean Congress of Radiology, Seoul, Korea, September 18-21, 2019.
13. Ji Hyun Lee, Young Cheol Yoon, Wook Jin, Chang-Seok Oh, Jang Gyu Cha, Sungjun Kim. Initial study on in vivo conductivity measurement of muscle, cartilage, and peripheral nerve around knee joint using MR-electrical properties tomography. The 76th Korean Congress of Radiology, Seoul, Korea, September 17-19, 2020.
14. Ji Hyun Lee, Hyun Su Kim, Young Cheol Yoon. Sciatic nerve fat quantification and compositional cross-sectional area assessment in Charcot-Marie-Tooth disease type I patients: analysis of case-control data. The 76th Korean Congress of

Radiology, Seoul, Korea, September 17-19, 2020.

15. **Ji Hyun Lee**, Young Cheol Yoon, Hyun Su Kim, Jae-Hun Kim, Byung-Ok Choi. Texture analysis using T1-weighted images for muscles in Charcot-Marie-Tooth disease patients and volunteers. 8th International Congress on Magnetic Resonance Imaging and 25th Annual Scientific Meeting of KSMRM, Seoul, Korea, Nov 3-4, 2020.
16. Tae Ran Ahn, Young Cheol Yoon, Jae Chul Yoo, Hyun Su Kim, **Ji Hyun Lee**. Diagnostic performance of conventional MRI for the detection and grading of subscapularis tendon tear according to the Yoo and Rhee classification system. The 77th Korean Congress of Radiology, Seoul, Korea, September 1-4, 2021.
17. Ji Yeong Lee, Young Cheol Yoon, **Ji Hyun Lee**, Hyun Su Kim. Apparent diffusion coefficients histogram analysis of whole tumor volume: changes after radiation therapy for osteolytic bone metastases. The 77th Korean Congress of Radiology, Seoul, Korea, September 1-4, 2021.
18. **Ji Hyun Lee**, Jungyu Kim, Jae-Hun Kim, Jae Hoon Chung, Wan Song, Hyun Hwan Sung, Hwang Gyun Jeon, Byong Chang Jeong, Seong Il Seo, Seong Soo Jeon, Hyun Moo Lee, Se Hoon Park, Minyong Kang. Prognostic impact of sarcopenia in patients with metastatic hormone-sensitive prostate cancer treated by either early docetaxel or abiraterone acetate. 2021 Annual Meeting of Korean Urological Association, Seoul, Korea, Nov 3-6, 2021.
19. Jiyeong Lee, Young Cheol Yoon, **Ji Hyun Lee**, Hyun Su Kim. Which Parameter Influences the Local Disease Free Survival After Radiation Therapy Due to Osteolytic Metastasis? A Retrospective Study with Pre- and Post-radiation Therapy MRI Including Diffusion-weighted Images. 9th International Congress on Magnetic Resonance Imaging and 26th Annual Scientific Meeting of KSMRM, Seoul, Korea, Nov 5-6, 2021.
20. Yeo Jin Kim, Hyun Su Kim, Young Cheol Yoon, **Ji Hyun Lee**. Evaluation of lower extremity muscles of Charcot-Marie-Tooth disease type 1A patients using MRI parameters derived based on semi-quantitative analyses using mercuri scale: correlation with clinical data. The 20th Asian Oceanian Congress of Radiology in conjunction with the 78th Annual Meeting of the Korean Society of Radiology, Seoul, Korea, September 20-24, 2022.
21. **Ji Hyun Lee**, Young Cheol Yoon, Hyun Su Kim, Min Jae Cha, Jae-Hun Kim, Kyunga Kim. Obesity is associated with improved postoperative overall survival, independent of skeletal muscle mass in lung adenocarcinoma. The 20th Asian Oceanian Congress of Radiology in conjunction with the 78th Annual Meeting of the Korean Society of Radiology, Seoul, Korea, September 20-24, 2022.
22. Jihwan Lee, **Ji Hyun Lee**, Byula Jee, Jae-Hun Kim, Jae Hoon Chung, Wan Song, Hyun Hwan Sung, Hwang Gyun Jeon, Byong Chang Jeong, Seong Il Seo, Seong Soo Jeon, Hyun Moo Lee, Minyong Kang. Prognostic value of fat loss in patients with metastatic clear cell renal cell carcinoma treated with immune checkpoint inhibitors. 2022 Annual Meeting of Korean Urological Association, Seoul, Korea, October 5-8, 2022.
23. **Ji Hyun Lee**, Young Cheol Yoon, Hyun Su Kim, Min Jae Cha, Jae-Hun Kim, Kyunga Kim. Obesity is associated with improved postoperative overall survival, independent of skeletal muscle mass in lung adenocarcinoma. Radiological Society of North America 2022 Scientific Assembly and Annual Meeting, Chicago IL. November 27 - December 1, 2022.
24. Yong Jae Kwon, Young Cheol Yoon, Hyun Su Kim, Min Jae Cha, Sehhoon Park, **Ji Hyun Lee**. Prognostic significance of body mass index in small-cell lung cancer: exploring the relationship with skeletal muscle status and impact on survival. The 79th Korean Congress of Radiology, Seoul, Korea, September 20-23, 2023.
25. Yujin Seo, Young Cheol Yoon, Hyun Su Kim, Sung Wook Seo, Yoon-La Choi, **Ji Hyun Lee**. Clinical and radiologic features associated with unplanned excision of soft tissue sarcoma in trunk and extremities. The 79th Korean Congress of Radiology, Seoul, Korea, September 20-23, 2023.
26. Chorog Song, Hyun Su Kim, **Ji Hyun Lee**, Young Cheol Yoon. Development of a novel prediction model for differential diagnosis between spinal myxopapillary ependymoma and schwannoma. The 79th Korean Congress of Radiology, Seoul, Korea, September 20-23, 2023.

## SCIENTIFIC EXHIBITION

1. **Ji Hyun Lee**, Jae Hoon Lim, Young Kon Kim, Kee Taek Jang. Radiological Spectrum of Intraductal Papillary Neoplasm of Bile Ducts: Pathological Correlation. Radiological Society of North America 2011 Scientific Assembly and Annual Meeting, Chicago IL, United States of America, November 26 - December 2, 2011.

2. **Ji Hyun Lee**, So-Young Yoo, Ji Hye Kim, Tae Yeon Jeon, Hong Eo. Mesenteric Mass in Children: US Findings in challenging Cases, p216, The 43rd Annual Congress of Korean Society of Ultrasound in Medicine, Seoul, Korea, May 11-13, 2012.
3. **Ji Hyun Lee**, Jung Hee Shin, Boo-Kyung Han, Eun Sook Ko, Soo Yeon Hahn, Eun Young Ko. Review of papillary thyroid carcinoma variants: imaging, pathological and clinical correlation, The 68th Korean Congress of Radiology and Annual Delegate Meeting of The Korean Society of Radiology, Seoul, Korea, October 18-20, 2012.
4. **Ji Hyun Lee**, Hyun Su Kim, Young Cheol Yoon, Wook Jin, Jang Gyu Cha. Small-sized soft tissue tumor with deep location: Can MRI be used to differentiate benign from malignancy? ISMRM 27th Annual Meeting & Exhibition, Montréal, Canada, May 11-16, 2019.
5. **Ji Hyun Lee**, Hyun Su Kim, Young Cheol Yoon. Discrimination of spinal schwannomas and meningiomas based on MRI: focus on cystic change. The 75th Korean Congress of Radiology and Annual Delegate Meeting of the Korean Society of Radiology, Seoul, Korea, September 18-21, 2019.
6. **Ji Hyun Lee**, Young Cheol Yoon, Gyu Sang Yoo, Hee Chul Park. Diffusion-weighted and dynamic contrast-enhanced MRI after radiotherapy for bone metastases in patients with hepatocellular carcinoma: a prospective study. The 76th Korean Congress of Radiology, Seoul, Korea, September 17-19, 2020.
7. Na Ri Shin, Hyun Su Kim, Young Cheol Yoon, **Ji Hyun Lee**. Juxtaneural ganglion cysts arising from the hip joint: focus on MRI findings and clinical Manifestation. The 77th Korean Congress of Radiology, Seoul, Korea, September 1-4, 2021.
8. SoYeon Cha, Hyun Su Kim, **Ji Hyun Lee**, Young Cheol Yoon. Skeletal muscle metastases of trunk and pelvis: focus on US, CT findings, and clinical manifestations. The 20th Asian Oceanian Congress of Radiology in conjunction with the 78th Annual Meeting of the Korean Society of Radiology, Seoul, Korea, September 20-24, 2022.

## **LECTURES IN INTERNATIONAL CONGRESS**

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1. **Ji Hyun Lee**. Epidural Steroid Injection. The 77th Korean Congress of Radiology, Seoul, Korea, September 1-4, 2021.
2. **Ji Hyun Lee**. Bone tumor. The 17<sup>th</sup> Annual Scientific Meeting of Asia Pacific Society of Cardiovascular and Interventional Radiology, Seoul, Korea, April 12-15, 2023.
3. **Ji Hyun Lee**. Bone tumor: biopsy and ablation. The 79th Korean Congress of Radiology, Seoul, Korea, September 20-23, 2023.
4. **Ji Hyun Lee**. MR Conductivity Imaging: Radiologic Perspective. The 11th International Congress on MRI & 28th Annual Scientific Meeting of the KSMRM, Seoul, Korea, November 3-4, 2023.