Title	Journal	Link	Publication date	References	Top Paper
Imaging digital arteries in systemic sclerosis by tomographic 3-dimensional ultrasound	Rheumatology International	https://doi.org/10.1007/s00296-020-04675-5	2020	M., Hughes, S., Rogers, J., Carreira, T., Moore, J., Manning, G., Dinsdale, C., McCollum, A. L., Herrick	Yes
Ultra-High Frequency Ultrasound, A Promising Diagnostic Technique: Review of the Literature and Single-Center Experience	Canadian Association of Radiologists Journal	https://doi.org/10.1177/0846537120940684	2020	Rossana, Izzetti, Saverio, Vitali, Giacomo, Aringhieri, Marco, Nisi, Teresa, Oranges, Valentina, Dini, Francesco, Ferro, Chiara, Baldini, Marco, Romanelli, Davide, Caramella, Mario, Gabriele	Yes
The Quantitative Anatomy of the Dorsal Scapholunate Interosseous Ligament	Hand	http://journals.sagepub.com/doi/10.1177/1558944718798846	2018	M. Claire, Manske, Jerry I., Huang	Yes
Ultra High-Resolution Ultrasound Features of Carpal Tunnel Syndrome in Transthyretin Amyloidosis: A Cross-Sectional Study	Muscle and Nerve	https://doi.org/10.1002/mus.70181	2026	Rachana K., Gandhi Mehta, Nicholas, Miller, Michael S., Cartwright, Rebecca, Traub, Joni, Evans	No
Deep learning enables accurate soft tissue tendon deformation estimation in vivo via ultrasound imaging	Scientific Reports	https://doi.org/10.1038/s41598-024-68875-w	2024	Reece D., Huff, Frederick, Houghton, Conner C., Earl, Elnaz, Ghajar-Rahimi, Ishan, Dogra, Denny, Yu, Carisa, Harris-Adamson, Craig J., Goergen, Grace D., O'Connell	No
Validation and Feasibility of an Automated System for the Assessment of Vascular Structure and Mechanical Properties in the Digital Arteries: An Ultrahigh-Frequency Ultrasound Study	Ultrasound in Medicine and Biology	https://doi.org/10.1016/j.ultrasmedbio.2021.12.008	2022	Federica, Poli, Catherine, Fortier, Hakim, Khettab, Francesco, Faita, Saverio, Vitali, Giacomo, Aringhieri, Lorenzo, Ghiadoni, Stefano, Taddei, Laurence, Amar, Aurelien, Lorthioir, Pierre, Boutouyrie, Rosa Maria, Bruno	No
Assessing mechanical vibration-altered wall shear stress in digital arteries	Journal of Biomechanics	https://doi.org/10.1016/j.jbiomech.2021.110893	2022	Christophe, Noël, Nicla, Settembre	No
Ultrasound Evaluation of Peripheral Nerve Trauma	Current Physical Medicine and Rehabilitation Reports	https://doi.org/10.1007/s40141-022-00346-7	2022	Jeffrey A., Strakowski	No
Diagnostic Imaging of A2 Pulley Injuries: A Review of the Literature	Journal of Ultrasound in Medicine	https://doi.org/10.1002/jum.15796	2021	William, Berrigan, William, White, Kevin, Cipriano, Jordan, Wickstrom, Jay, Smith, Nelson, Hager	No

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Ultra–high-frequency ultrasound imaging of sural nerve: A comparative study with nerve biopsy in progressive neuropathies	Muscle & Nerve	https://onlinelibrary.wiley.com/doi/10.1002/mus.27073	2021	Angela, Puma, Nicolae, Grecu, Luisa, Villa, Catherine, Butori, Thomas, Besson, Chiara, Cambieri, Michele, Cavalli, Nicolas, Azulay, Sabrina, Sacconi, Charles, Raffaelli	No
Current and future applications of ultrasound imaging in peripheral nerve disorders	World Journal of Radiology	https://www.wjgnet.com/1949-8470/full/v12/i6/101.htm	2020	Antonia, Carroll, Neil G, Simon	No
Ultrahigh Frequency Ultrasound Imaging of the Hand: A New Diagnostic Tool for Hand Surgery	HAND	http://journals.sagepub.com/doi/10.1177/1558944717731856	2018	Stephen L., Viviano, Laurel K., Chandler, Jonathan D., Keith	No
Intraoperative evaluation of cervical nerve root avulsion using ultra-high-frequency ultrasound system	Case Reports in Plastic Surgery and Hand Surgery	https://www.tandfonline.com/doi/full/10.1080/23320885.2019.1583569	2019	Daniel, Boczar, Antonio J., Forte, Jeremie D., Oliver, Robert L., McClain, Peter, Murray, Steven R., Clendenen	No
Allogenic tissue-specific decellularized scaffolds promote long-term muscle innervation and functional recovery in a surgical diaphragmatic hernia model	Acta Biomaterialia	https://doi.org/10.1016/j.actbio.2019.03.007	2019	Caterina, Trevisan, Edoardo, Maghin, Arben, Dedja, Paola, Caccin, Niccolò, de Cesare, Chiara, Franzin, Daniele, Boso, Paola, Pesce, Federico, Caicci, Francesco, Boldrin, Luca, Urbani, Paolo, De Coppi, Michela, Pozzobon, Piero, Pavan, Martina, Piccoli	No
High-Frequency Micro-Ultrasound Imaging and Optical Topographic Imaging for Spinal Surgery: Initial Experiences	Ultrasound in Medicine and Biology	https://doi.org/10.1016/j.ultrasmedbio.2018.05.003	2018	Raphael, Jakubovic, Joel, Ramjist, Shaurya, Gupta, Daipayan, Guha, Arjun, Sahgal, F. Stuart, Foster, Victor X.D., Yang	No
Real-time intracochlear imaging of automated cochlear implant insertions in whole decalcified cadaver cochleas using ultrasound	Cochlear Implants International	https://doi.org/10.1080/14670100.2018.1460024%0Ahttps://www.tandfonline.com/doi...	2018	Thomas G, Landry, Guy, Earle, Jeremy A, Brown, Manohar L, Bance	No
Ultrahigh Frequency Ultrasound Imaging of the Hand : A New Diagnostic Tool for Hand Surgery	Hand	https://doi.org/10.1177/1558944717731856	2017	Stephen L, Viviano, Laurel K, Chandler, Jonathan D, Keith	No
Development of an injectable pseudo-bone thermo-gel for application in small bone fractures	International Journal of Pharmaceutics	http://linkinghub.elsevier.com/retrieve/pii/S0378517317300480	2017	Pariksha J., Kondiah, Yahya E., Choonara, Pierre P.D., Kondiah, Pradeep, Kumar, Thashree, Marimuthu, Lisa C., du Toit, Viness, Pillay	No

Title	Journal	Link	Publication date	References	Top Paper
Ultra High-frequency Ultrasound of Fascicles in the Median Nerve at the Wrist	Muscle & Nerve	http://doi.wiley.com/10.1002/mus.25617	2017	Michael S., Cartwright, Vanessa, Baute, James B., Caress, Francis O., Walker	No
Epidermal Thickness and Biomechanical Properties of Plantar Tissues in Diabetic Foot	Ultrasound in Medicine and Biology	https://doi.org/10.1016/j.ultrasmedbio.2011.04.004	2011	Clare Y L, Chao, Yong Ping, Zheng, Gladys L Y, Cheing	No
Photoacoustic imaging of real-time oxygen changes in chronic leg ulcers after topical application of a haemoglobin spray: a pilot study	Journal of Wound Care	http://www.magonlinelibrary.com/doi/10.12968/jowc.2016.25.2.87	2016	M, Petri, I, Stoffels, J, Jose, J, Leyh, A, Schulz, J, Dissemond, D, Schadendorf, J, Klode	No
Graft vasculopathy in clinical hand transplantation	American Journal of Transplantation	https://doi.org/10.1111/j.1600-6143.2011.03915.x	2012	Christina L., Kaufman, R., Ouseph, B., Blair, J. E., Kutz, T. M., Tsai, L. R., Scheker, H. Y., Tien, R., Moreno, T., Ozyurekoglu, R., Banegas, E., Murphy, C. B., Burns, R., Zaring, D. F., Cook, M. R., Marvin	No
High-resolution ultrasonography of the cutaneous nerve branches in the hand and wrist	Journal of Hand Surgery (European Volume)	http://www.ncbi.nlm.nih.gov/pubmed/19786413	2009	A., STOKVIS, J. W., VAN NECK, C. F., VAN DIJKE, A., VAN WAMEL, J. H., COERT	No