

Ultrasound Elastography: Review of Techniques and Clinical

Theranostics

7, 1303-1329

DOI: 10.7150/thno.18650

Citation Report

#	ARTICLE	IF	CITATIONS
1	Investigation of the acute plantar fasciitis with contrast-enhanced ultrasound and shear wave elastography – first results. <i>Clinical Hemorheology and Microcirculation</i> , 2017, 67, 415-423.	0.9	11
2	Multiparametric ultrasound findings of tuberculous orchitis following bacillus Calmette-Guérin therapy. <i>Radiology Case Reports</i> , 2017, 12, 746-751.	0.2	2
3	Image-guided thermal ablation of benign thyroid nodules. <i>Journal of Ultrasound</i> , 2017, 20, 347-349.	0.7	11
4	Liver fibrosis: the 2017 state of art. <i>Panminerva Medica</i> , 2017, 59, 320-331.	0.2	53
5	Machine learning for medical ultrasound: status, methods, and future opportunities. <i>Abdominal Radiology</i> , 2018, 43, 786-799.	1.0	161
6	Principles of ultrasound elastography. <i>Abdominal Radiology</i> , 2018, 43, 773-785.	1.0	163
7	The Mechanical Characterisation of Bovine Embolus Analogues Under Various Loading Conditions. <i>Cardiovascular Engineering and Technology</i> , 2018, 9, 489-502.	0.7	23
8	Experience of Using Shear Wave Elastography Imaging in Superficial Venous Insufficiency of the Lower Extremity. <i>Ultrasound Quarterly</i> , 2018, 34, 176-182.	0.3	4
9	Experience of Using Shear Wave Elastography Imaging in Evaluation of Undescended Testes in Children. <i>Ultrasound Quarterly</i> , 2018, 34, 206-212.	0.3	11
10	Biomechanical Analysis of the Damage in the Pelvic Floor Muscles During Childbirth. <i>Lecture Notes in Computational Vision and Biomechanics</i> , 2018, , 133-142.	0.5	1
11	Women's Health and Biomechanics. <i>Lecture Notes in Computational Vision and Biomechanics</i> , 2018, , .	0.5	0
12	Outcomes of ultrasound guided renal mass biopsies. <i>Journal of Ultrasound</i> , 2018, 21, 99-104.	0.7	15
13	The role of shear wave elastography on evaluation of the rigidity changes of corpus cavernosum penis in venogenic erectile dysfunction. <i>European Journal of Radiology</i> , 2018, 103, 1-5.	1.2	17
14	Determination of Normal Skin Elasticity by Using Real-time Shear Wave Elastography. <i>Journal of Ultrasound in Medicine</i> , 2018, 37, 2507-2516.	0.8	41
15	Clinical acceptance testing and scanner comparison of ultrasound shear wave elastography. <i>Journal of Applied Clinical Medical Physics</i> , 2018, 19, 336-342.	0.8	6
16	Does Lesion Size Affect the Value of Shear Wave Elastography for Differentiating Between Benign and Malignant Thyroid Nodules?. <i>Journal of Ultrasound in Medicine</i> , 2018, 37, 601-609.	0.8	19
17	Comparison of ultrasound shear wave elastography with magnetic resonance elastography and renal microvascular flow in the assessment of chronic renal allograft dysfunction. <i>Acta Radiologica</i> , 2018, 59, 1139-1145.	0.5	23
18	Magnetic resonance elastography: beyond liver fibrosis—a case-based pictorial review. <i>Abdominal Radiology</i> , 2018, 43, 1590-1611.	1.0	39

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19	Real-time and non-invasive measurements of cell mechanical behaviour with optical coherence phase microscopy. <i>Methods</i> , 2018, 136, 126-133.	1.9	3
20	Non-invasive in vivo Imaging Grading of Liver Fibrosis. <i>Journal of Clinical and Translational Hepatology</i> , 2018, 6, 1-10.	0.7	22
21	Elastography-One Step Ahead. <i>Northern International Medical College Journal</i> , 2018, 9, 243-244.	0.0	0
22	Estimating the Relative Stiffness between a Hepatic Lesion and the Liver Parenchyma through Biomechanical Simulations of the Breathing Process. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-10.	0.6	0
23	Evaluation of the healthy median nerve elasticity. <i>Medicine (United States)</i> , 2018, 97, e12956.	0.4	23
24	Efficient Sensitivity Based Reconstruction Technique to Accomplish Breast Hyperelastic Elastography. <i>BioMed Research International</i> , 2018, 2018, 1-16.	0.9	2
25	Usability of Transthoracic Shear Wave Elastography in Differentiation of Subpleural Solid Masses. <i>Ultrasound Quarterly</i> , 2018, 34, 233-237.	0.3	20
26	Ultrasound Elastography Applications in Pediatrics. <i>Ultrasound Quarterly</i> , 2018, 34, 199-205.	0.3	20
27	Shear Wave Elasticity Measurements of Three-Dimensional Cancer Cell Cultures Using Laser Speckle Contrast Imaging. <i>Scientific Reports</i> , 2018, 8, 14470.	1.6	8
28	Esophageal cancer N staging study with endoscopic ultrasonography. <i>Oncology Letters</i> , 2019, 17, 863-870.	0.8	3
29	Shear wave velocity measurements of the brachial artery in a population with end-stage renal disease. <i>Biomedical Physics and Engineering Express</i> , 2018, 4, 057002.	0.6	2
30	Experimental Investigation of Guided Wave Imaging in Thin Soft Media under Various Coupling Conditions. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 2821-2837.	0.7	6
31	Effect of High-Induction Magnetic Stimulation on Elasticity of the Patellar Tendon. <i>Journal of Healthcare Engineering</i> , 2018, 2018, 1-8.	1.1	6
32	Non-invasive assessment of liver fibrosis: exploring the opportunity for a low-cost approach using the Genoa Line Quantification. <i>Panminerva Medica</i> , 2018, 60, 77-79.	0.2	0
33	Shear-wave elastography in the diagnosis of ulnar tunnel syndrome. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2018, 71, 1593-1599.	0.5	26
34	Diagnostic Performance of Transient Elastography for Liver Fibrosis in Children: A Systematic Review and Meta-Analysis. <i>American Journal of Roentgenology</i> , 2018, 211, W257-W266.	1.0	36
35	Ultrasound elastography is useful to distinguish acute and chronic deep vein thrombosis. <i>Journal of Thrombosis and Haemostasis</i> , 2018, 16, 2482-2491.	1.9	18
36	Shear wave elastography can assess the in-vivo nonlinear mechanical behavior of heel-pad. <i>Journal of Biomechanics</i> , 2018, 80, 144-150.	0.9	16

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37	Liver Ultrasound Elastography: An Update to the World Federation for Ultrasound in Medicine and Biology Guidelines and Recommendations. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 2419-2440.	0.7	357
38	Point Shear Wave Elastography for Grading Liver Fibrosis: Can the Number of Measurements Be Reduced?. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 2569-2577.	0.7	1
39	A Novel Scoring System for Prediction of Prostate Cancer Based on Shear Wave Elastography and Clinical Parameters. <i>Urology</i> , 2018, 121, 112-117.	0.5	4
40	Analysis of three ultrasound elastography techniques for grading liver fibrosis in patients with chronic hepatitis B. <i>Radiologia Medica</i> , 2018, 123, 735-741.	4.7	14
41	In silico simulation of liver crack detection using ultrasonic shear wave imaging. <i>BMC Medical Imaging</i> , 2018, 18, 15.	1.4	1
42	Effect of HCV Core Antigen and RNA Clearance during Therapy with Direct Acting Antivirals on Hepatic Stiffness Measured with Shear Wave Elastography in Patients with Chronic Viral Hepatitis C. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 198.	1.3	5
43	Ultrasound-Based Liver Stiffness Surveillance in Patients Treated for Chronic Hepatitis B or C. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 626.	1.3	3
44	Current Knowledge in Ultrasound-Based Liver Elastography of Pediatric Patients. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 944.	1.3	18
45	Correlation between stress drop and applied strain as a biomarker for tumor detection. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 86, 450-462.	1.5	2
46	In vivo assessment of spinal cord elasticity using shear wave ultrasound in dogs. <i>Journal of Neurosurgery: Spine</i> , 2018, 29, 461-469.	0.9	11
47	Simultaneous magnetic resonance and optical elastography acquisitions: Comparison of displacement images and shear modulus estimations using a single vibration source. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 84, 135-144.	1.5	11
48	Ultrasound elastography: compression elastography and shear-wave elastography in the assessment of tendon injury. <i>Insights Into Imaging</i> , 2018, 9, 791-814.	1.6	104
49	Renal Functional MRI and Its Application. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 48, 863-881.	1.9	14
50	Hamstring stiffness pattern during contraction in healthy individuals: analysis by ultrasound-based shear wave elastography. <i>European Journal of Applied Physiology</i> , 2018, 118, 2403-2415.	1.2	33
51	Evaluation of the Effect of Tissue Compression on the Results of Shear Wave Elastography Measurements. <i>Ultrasonic Imaging</i> , 2018, 40, 380-393.	1.4	14
52	Coaxial excitation longitudinal shear wave measurement for quantitative elasticity assessment using phase-resolved optical coherence elastography. <i>Optics Letters</i> , 2018, 43, 2388.	1.7	30
53	Ultrasound Shear Wave Elastography: Variations of Liver Fibrosis Assessment as a Function of Depth, Force and Distance from Central Axis of the Transducer with a Comparison of Different Systems. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 2209-2222.	0.7	13
54	Shear wave elastography of the brachial plexus roots at the interscalene groove. <i>Neurological Research</i> , 2018, 40, 805-810.	0.6	15

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55	Obesity, metabolic disease and the pancreasâ€”Quantitative imaging of pancreatic fat. <i>British Journal of Radiology</i> , 2018, 91, 20180267.	1.0	53
56	Carpal Tunnel Syndrome: Evaluation of the Effects of Lowâ€Level Laser Therapy With Ultrasound Strain Imaging. <i>Journal of Ultrasound in Medicine</i> , 2019, 38, 113-122.	0.8	15
57	Acoustic radiation force optical coherence elastography for elasticity assessment of soft tissues. <i>Applied Spectroscopy Reviews</i> , 2019, 54, 457-481.	3.4	25
58	Diagnostic Performance of Ultrasound Elastography for Evaluating Portal Hypertension in Children: A Systematic Review and Metaâ€Analysis. <i>Journal of Ultrasound in Medicine</i> , 2019, 38, 747-759.	0.8	18
59	Transvaginal Ultrasound Shear Wave Elastography for the Evaluation of Benign Uterine Pathologies: A Prospective Pilot Study. <i>Journal of Ultrasound in Medicine</i> , 2019, 38, 149-155.	0.8	34
60	Reduction in stiffness of proximal leg muscles during the first 6 months of glucocorticoid therapy for giant cell arteritis: A pilot study using shear wave elastography. <i>International Journal of Rheumatic Diseases</i> , 2019, 22, 1891-1899.	0.9	4
61	Evolving Management Strategies for Nonalcoholic Fatty Liver Diseaseâ€”Targeting Primary Care Physicians. <i>Diabetes Technology and Therapeutics</i> , 2019, 21, 611-618.	2.4	1
62	Reliability of ultrasound strain elastography in the assessment of the quadriceps and patellar tendon in healthy adults. <i>Ultrasound</i> , 2019, 27, 252-261.	0.3	15
63	Diagnostic Performance of Ultrasound Shear Wave Elastography in Solid Small (â‰¥4 cm) Renal Parenchymal Masses. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 2328-2337.	0.7	9
64	2D shear wave elastography: measurement acquisition and reliability criteria in noninvasive assessment of liver fibrosis. <i>Abdominal Radiology</i> , 2019, 44, 3285-3294.	1.0	9
65	Ultrasound Transducer for Deep Quantitative Elastography. <i>IFMBE Proceedings</i> , 2019, , 565-570.	0.2	0
66	Accuracy and precision of ultrasound shear wave elasticity measurements according to target elasticity and acquisition depth: A phantom study. <i>PLoS ONE</i> , 2019, 14, e0219621.	1.1	8
67	Imaging the Vocal Folds: A Feasibility Study on Strain Imaging and Elastography of Porcine Vocal Folds. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2729.	1.3	6
68	Noninvasive staging of pressure ulcers using photoacoustic imaging. <i>Wound Repair and Regeneration</i> , 2019, 27, 488-496.	1.5	27
69	Usefulness of noninvasive methods including assessment of liver stiffness by 2-dimensional shear wave elastography for predicting esophageal varices. <i>Digestive and Liver Disease</i> , 2019, 51, 1706-1712.	0.4	10
70	Prediction of Postprostatectomy Biochemical Recurrence Using Quantitative Ultrasound Shear Wave Elastography Imaging. <i>Frontiers in Oncology</i> , 2019, 9, 572.	1.3	11
71	Kelvinâ€Voigt Parameters Reconstruction of Cervical Tissue-Mimicking Phantoms Using Torsional Wave Elastography. <i>Sensors</i> , 2019, 19, 3281.	2.1	15
72	Elastography-based screening for esophageal varices in patients with advanced chronic liver disease. <i>World Journal of Gastroenterology</i> , 2019, 25, 308-329.	1.4	55

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73	Ultrasound elastography for the evaluation of peripheral nerves: A systematic review. <i>Muscle and Nerve</i> , 2019, 60, 501-512.	1.0	59
74	Noninvasive Multimodal Methods to Differentiate Inflamed vs Fibrotic Strictures in Patients With Crohn's Disease. <i>Clinical Gastroenterology and Hepatology</i> , 2019, 17, 2397-2415.	2.4	43
75	Reducing Unnecessary Biopsy of Breast Lesions: Preliminary Results with Combination of Strain and Shear-Wave Elastography. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 2317-2327.	0.7	19
76	Elastography of multicellular spheroids using 3D light microscopy. <i>Biomedical Optics Express</i> , 2019, 10, 2409.	1.5	15
77	Do functional changes occur in the bladder due to bladder outlet obstruction? â€•ICIâ€•RS 2018. <i>Neurourology and Urodynamics</i> , 2019, 38, S56-S65.	0.8	19
78	ACR TI-RADS: Pitfalls, Solutions, and Future Directions. <i>Radiographics</i> , 2019, 39, 2040-2052.	1.4	57
79	Pediatric Liver Ultrasound Elastography. <i>Journal of Radiology Nursing</i> , 2019, 38, 250-253.	0.2	0
80	Applying Non-Invasive Fibrosis Measurements in NAFLD/NASH: Progress to Date. <i>Pharmaceutical Medicine</i> , 2019, 33, 451-463.	1.0	12
81	Sound Transmission-Based Elastography Imaging. <i>IEEE Access</i> , 2019, 7, 74383-74392.	2.6	2
82	Experimental pancreatic cancer develops in soft pancreas: novel leads for an individualized diagnosis by ultrafast elasticity imaging. <i>Theranostics</i> , 2019, 9, 6369-6379.	4.6	10
83	Noninvasive liver fibrosis assessment in chronic viral hepatitis C: agreement among 1D transient elastography, 2D shear wave elastography, and magnetic resonance elastography. <i>Abdominal Radiology</i> , 2019, 44, 4011-4021.	1.0	14
84	Usefulness of noninvasive shear wave elastography for the assessment of hepatic fibrosis in dogs with hepatic disease. <i>Journal of Veterinary Internal Medicine</i> , 2019, 33, 2067-2074.	0.6	23
85	Advanced Ultrasound Techniques in Preoperative Diagnostic of Thyroid Cancers. , 0, , .		2
86	A Mechatronic Platform for Computer Aided Detection of Nodules in Anatomopathological Analyses via Stiffness and Ultrasound Measurements. <i>Sensors</i> , 2019, 19, 2512.	2.1	4
87	Differentiating cervical metastatic lymphadenopathy and lymphoma by shear wave elastography. <i>Scientific Reports</i> , 2019, 9, 12396.	1.6	20
88	Photoacoustic identification of blood vessel deformation under pressure. <i>AIP Advances</i> , 2019, 9, .	0.6	4
89	Combining Total Variation Regularization with Window-Based Time Delay Estimation in Ultrasound Elastography. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 2744-2754.	5.4	35
90	Ultrasound elastography in the evaluation of thyroid nodules: evolution of a promising diagnostic tool for predicting the risk of malignancy. <i>Radiologia Brasileira</i> , 2019, 52, 247-253.	0.3	15

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91	Which Confounders Have the Largest Impact in Shear Wave Elastography of Muscle and How Can They be Minimized? An Elasticity Phantom, Ex Vivo Porcine Muscle and Volunteer Study Using a Commercially Available System. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 2591-2611.	0.7	22
92	Toward a Quality Predictor for Stereoscopic Images via Analysis of Human Binocular Visual Perception. <i>IEEE Access</i> , 2019, 7, 69283-69291.	2.6	8
93	Strain Ultrasound Elastography in the Achilles Tendon of Ankylosing Spondylitis Patients Treated With Anti-TNF- α : A Preliminary Study. <i>In Vivo</i> , 2019, 33, 1635-1640.	0.6	5
94	Placental elasticity assessment by point shear wave elastography in pregnancies with intrauterine growth restriction. <i>Journal of Perinatal Medicine</i> , 2019, 47, 841-846.	0.6	20
95	Sagittal Measurement of Tongue Movement During Respiration: Comparison Between Ultrasonography and Magnetic Resonance Imaging. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 921-934.	0.7	14
96	Consenso mexicano de la enfermedad por hÃgado graso no alcohÃlico. <i>Revista De GastroenterologÃa De MÃxico</i> , 2019, 84, 69-99.	0.4	26
97	Monitoring Breast Cancer Response to Neoadjuvant Chemotherapy Using Ultrasound Strain Elastography. <i>Translational Oncology</i> , 2019, 12, 1177-1184.	1.7	35
98	Point Shear Wave Elastography Using Machine Learning to Differentiate Renal Cell Carcinoma and Angiomyolipoma. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 1944-1954.	0.7	10
99	Thermoacoustic elastography: recovery of bulk elastic modulus of heterogeneous media using tomographically measured thermoacoustic measurements. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 625-635.	1.1	5
100	Interaction of ultrasound with microporous polyethylene scaffolds. <i>Applied Acoustics</i> , 2019, 153, 102-109.	1.7	6
101	Transvaginal Real-time Shear Wave Elastography in the Diagnosis of Cervical Disease. <i>Journal of Ultrasound in Medicine</i> , 2019, 38, 3173-3181.	0.8	16
102	Strain wave elastography in response assessment to neo-adjuvant chemotherapy in patients with locally advanced breast cancer. <i>British Journal of Radiology</i> , 2019, 92, 20180515.	1.0	18
103	Acoustic radiation force impulse imaging of biopsy-proven Kikuchi disease: initial experiences for evaluating feasibility in pediatric patients. <i>Ultrasonography</i> , 2019, 38, 58-66.	1.0	4
104	Comparison of Shear Wave Elastography and Conventional Ultrasound in Assessing Kidney Function as Measured Using 51Cr-ethylenediaminetetraacetic Acid and 99Tc-Dimercaptosuccinic Acid. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 1417-1426.	0.7	7
105	In vivo assessment of the mechanical properties of crystalline lenses in a rabbit model using ultrasound elastography: Effects of ultrasound frequency and age. <i>Experimental Eye Research</i> , 2019, 184, 258-265.	1.2	7
106	Exploiting Ballou's rule for better tissue classification. <i>Journal of the Acoustical Society of America</i> , 2019, 145, 2103-2112.	0.5	3
107	Diagnostic effect of shear wave elastography imaging for differentiation of malignant liver lesions: a meta-analysis. <i>BMC Gastroenterology</i> , 2019, 19, 60.	0.8	16
108	Spatial and Temporal Changes of Mechanical Microenvironment in Skin Wounds During Negative Pressure Wound Therapy. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 1762-1770.	2.6	10

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111	Ultrasound Elastography of the Bowel. , 2019, , 35-47.		0
112	Renal shear wave elastography and urinary procollagen type III amino-terminal propeptide (uPIIINP) in feline chronic kidney disease. BMC Veterinary Research, 2019, 15, 54.	0.7	13
113	Evaluation of liver and spleen stiffness of healthy dogs by use of two-dimensional shear wave elastography. American Journal of Veterinary Research, 2019, 80, 378-384.	0.3	17
114	Current Imaging Techniques for Noninvasive Staging of Hepatic Fibrosis. American Journal of Roentgenology, 2019, 213, 77-89.	1.0	27
115	The Mexican consensus on nonalcoholic fatty liver disease. Revista De GastroenterologÃa De MÃ©xico (English Edition), 2019, 84, 69-99.	0.1	6
116	Noninvasive assessment of liver fibrosis in pediatric intestinal failure patients using liver stiffness measurement by Vibration-Controlled Transient Elastography. Journal of Pediatric Surgery, 2019, 54, 1174-1178.	0.8	9
117	Objective evaluation of fat tissue induration after breast reconstruction using a deep inferior epigastric perforator (DIEP) flap. Journal of Plastic Surgery and Hand Surgery, 2019, 53, 125-129.	0.4	2
118	Multifactor Analysis of Thyroid Stiffness in Graves Disease: A Preliminary Study. American Journal of Roentgenology, 2019, 212, 950-957.	1.0	4
119	Diagnostic accuracy of shear wave elastography â€œ Virtual touchâ„¢ imaging quantification in the evaluation of breast masses: Impact on ultrasonographyâ€™s specificity and its ultimate clinical benefit. European Journal of Radiology, 2019, 113, 74-80.	1.2	10
120	The effect of ageing on shear wave elastography muscle stiffness in adults. Aging Clinical and Experimental Research, 2019, 31, 1755-1763.	1.4	96
121	Elastogram: Physics, Clinical Applications, and Risks. Maternal-Fetal Medicine, 2019, 1, 113-122.	0.4	7
122	Improvement in Inclusion Contrast-to-Noise Ratio for Low-Displacement Acoustic Radiation Force (ARF) Elasticity Imaging Using a 3D Kernel Blind-Source Separation (BSS) Based Displacement Estimator. , 2019, , .		1
123	HCC in Cirrhotic and Non-cirrhotic Liver: Timing to Surgery and Outcome - State of the Art. , 0, , .		0
124	Imaging methods in primary SjÃ¶rgrenâ€™s syndrome as potential tools of disease diagnostics and monitoring. Reumatologia, 2019, 57, 336-342.	0.5	12
125	Elastography of vocal folds. Journal of Physics: Conference Series, 2019, 1379, 012016.	0.3	1
126	Ultrasound-based elastography: â€œhardâ€™ to implement in the pleural effusion work-up?. European Respiratory Journal, 2019, 54, 1901587.	3.1	9
127	A Fully Convolutional Neural Network for Rapid Displacement Estimation in ARFI Imaging. , 2019, , .		2

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129	Role of Probiotics in Non-alcoholic Fatty Liver Disease: Does Gut Microbiota Matter?. Nutrients, 2019, 11, 2837.	1.7	64
130	Breast Cancer Assessment With Pulse-Echo Speed of Sound Ultrasound From Intrinsic Tissue Reflections. Investigative Radiology, 2019, 54, 419-427.	3.5	28
131	The Reference Phase Correction for the Fluctuated Scanning Lines and the Slope of the Stage in Tissue Characterization by Scanning Acoustic Microscope. Applied Sciences (Switzerland), 2019, 9, 4883.	1.3	0
132	Quantitative Elastography of Rectal Lesions: The Value of Shear Wave Elastography in Identifying Benign and Malignant Rectal Lesions. Ultrasound in Medicine and Biology, 2019, 45, 85-92.	0.7	9
133	Propagation Imaging in the Demonstration of Common Shear Wave Artifacts. Journal of Ultrasound in Medicine, 2019, 38, 1611-1616.	0.8	11
134	Can Freehand Elastosonography Be an Alternative to Renal Scintigraphy in Pediatric Vesicoureteral Reflux Cases?. European Journal of Pediatric Surgery, 2019, 29, 470-474.	0.7	2
135	Reproducibility of 2 Liver 2-Dimensional Shear Wave Elastographic Techniques in the Fasting and Postprandial States. Journal of Ultrasound in Medicine, 2019, 38, 1739-1745.	0.8	8
136	Association of advanced hepatic fibrosis and sonographic visualization score: a dual-center study using ACR US LI-RADS. Abdominal Radiology, 2019, 44, 1415-1422.	1.0	14
137	Robotic Micromanipulation: Fundamentals and Applications. Annual Review of Control, Robotics, and Autonomous Systems, 2019, 2, 181-203.	7.5	101
138	An assessment of ocular elasticity using real time ultrasound and ocular response analyzer in active or remission rheumatoid arthritis. International Ophthalmology, 2019, 39, 2187-2194.	0.6	1
139	Ultrasound elastography in neuromuscular and movement disorders. Clinical Imaging, 2019, 53, 35-42.	0.8	23
140	Diagnostic role of ultrasound elastography on lymph node metastases in patients with head and neck cancer. Brazilian Journal of Otorhinolaryngology, 2019, 85, 297-302.	0.4	11
141	Artifacts and Technical Restrictions in 2D Shear Wave Elastography. Ultraschall in Der Medizin, 2020, 41, 267-277.	0.8	44
142	Multiparametric ultrasound in the evaluation of kidney disease in elderly. Journal of Ultrasound, 2020, 23, 115-126.	0.7	10
143	Liver fibrosis imaging: A clinical review of ultrasound and magnetic resonance elastography. Journal of Magnetic Resonance Imaging, 2020, 51, 25-42.	1.9	53
144	Skin Structure-Function Relationships and the Wound Healing Response to Intrinsic Aging. Advances in Wound Care, 2020, 9, 127-143.	2.6	87
145	Utility of EUS elastography in the diagnosis of gastric subepithelial tumors: a pilot study (with video). Gastrointestinal Endoscopy, 2020, 91, 172-177.e2.	0.5	15

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146	Comparison of 2D Dimensional Shear Wave Elastographic Measurements Using ElastQ Imaging and SuperSonic Shear Imaging: Phantom Study and Clinical Pilot Study. <i>Journal of Ultrasound in Medicine</i> , 2020, 39, 311-321.	0.8	11
147	Comparing point shear wave elastography (ElastPQ) and transient elastography for diagnosis of fibrosis stage in nonalcoholic fatty liver disease. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2020, 35, 135-141.	1.4	31
148	Muscle stiffness in rheumatoid arthritis is not altered or associated with muscle weakness: A shear wave elastography study. <i>Modern Rheumatology</i> , 2020, 30, 617-625.	0.9	9
149	Detecting liver fibrosis using a machine learning-based approach to the quantification of the heart-induced deformation in tagged MR images. <i>NMR in Biomedicine</i> , 2020, 33, e4215.	1.6	15
150	Evaluation of the Crushed Sciatic Nerve and Denervated Muscle with Multimodality Ultrasound Techniques: An Animal Study. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 377-392.	0.7	17
151	Stiffness and Anisotropy Effect on Shear Wave Elastography: A Phantom and in Vivo Renal Study. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 34-45.	0.7	25
152	Shear Wave Elastography in the Evaluation of Temporomandibular Joint Disorders. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 46-54.	0.7	5
153	Increased Brachial Artery Compliance After Arteriovenous Fistula Creation as Measured by Shear Wave Elastography: Results From a Feasibility Study. <i>Journal of Ultrasound in Medicine</i> , 2020, 39, 875-881.	0.8	3
154	Optimal stimulation frequency for vibrational optical coherence elastography. <i>Journal of Biophotonics</i> , 2020, 13, e201960066.	1.1	6
155	A New Multimodel Machine Learning Framework to Improve Hepatic Fibrosis Grading Using Ultrasound Elastography Systems from Different Vendors. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 26-33.	0.7	10
156	Ultrasound shear wave elastography for measuring intracompartmental pressure of compartment syndrome using a turkey hind limb model. <i>Journal of Biomechanics</i> , 2020, 98, 109427.	0.9	11
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