John Huston Iii

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Primary central nervous system vasculitis: analysis of 101 patients. Annals of Neurology, 2007, 62, 442-451.	2.8	543
2	Decreased brain stiffness in Alzheimer's disease determined by magnetic resonance elastography. Journal of Magnetic Resonance Imaging, 2011, 34, 494-498.	1.9	277
3	Imaging artifacts at 3.0T. Journal of Magnetic Resonance Imaging, 2006, 24, 735-746.	1.9	233
4	High-resolution intracranial and cervical MRA at 3.0T: Technical considerations and initial experience. Magnetic Resonance in Medicine, 2001, 46, 955-962.	1.9	203
5	Clinical profile of autosomal dominant polycystic liver disease. Hepatology, 2003, 37, 164-171.	3.6	197
6	Measuring the effects of aging and sex on regional brain stiffness with MR elastography in healthy older adults. NeuroImage, 2015, 111, 59-64.	2.1	183
7	Magnetic resonance elastography (MRE) of the human brain: technique, findings and clinical applications. Physics in Medicine and Biology, 2016, 61, R401-R437.	1.6	176
8	Dynamic MR digital subtraction angiography using contrast enhancement, fast data acquisition, and complex subtraction. Magnetic Resonance in Medicine, 1996, 36, 551-556.	1.9	167
9	Carotid revascularization and medical management for asymptomatic carotid stenosis: Protocol of the CREST-2 clinical trials. International Journal of Stroke, 2017, 12, 770-778.	2.9	162
10	Regional brain stiffness changes across the Alzheimer's disease spectrum. NeuroImage: Clinical, 2016, 10, 283-290.	1.4	152
11	Carotid Artery: Elliptic Centric Contrast-enhanced MR Angiography Compared with Conventional Angiography. Radiology, 2001, 218, 138-143.	3.6	137
12	Preoperative assessment of meningioma stiffness using magnetic resonance elastography. Journal of Neurosurgery, 2013, 118, 643-648.	0.9	137
13	Measuring the Characteristic Topography of Brain Stiffness with Magnetic Resonance Elastography. PLoS ONE, 2013, 8, e81668.	1.1	125
14	MR elastography of the brain and its application in neurological diseases. NeuroImage, 2019, 187, 176-183.	2.1	125
15	Carotid Arteries: Maximizing Arterial to Venous Contrast in Fluoroscopically Triggered Contrast-enhanced MR Angiography with Elliptic Centric View Ordering. Radiology, 1999, 211, 265-273.	3.6	123
16	A Theory on the Natural History of Colloid Cysts of the Third Ventricle. Neurosurgery, 2000, 46, 1077-1083.	0.6	118
17	Sample Size Calculation for Clinical Trials Using Magnetic Resonance Imaging for the Quantitative Assessment of Carotid Atherosclerosis. Journal of Cardiovascular Magnetic Resonance, 2005, 7, 799-808.	1.6	105
18	Screening for brain aneurysm in the Familial Intracranial Aneurysm study: frequency and predictors of lesion detection. Journal of Neurosurgery, 2008, 108, 1132-1138.	0.9	103

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19	Contrast-Enhanced Magnetic Resonance Angiography of the Cervical Vessels. Stroke, 2001, 32, 2282-2286.	1.0	99
20	Improved image quality of intracranial aneurysms: 3.0-T versus 1.5-T time-of-flight MR angiography. American Journal of Neuroradiology, 2004, 25, 84-7.	1.2	99
21	Higher-Resolution Magnetic Resonance Elastography in Meningiomas to Determine Intratumoral Consistency. Neurosurgery, 2015, 77, 653-659.	0.6	87
22	Arterial phase carotid and vertebral artery imaging in 3D contrast-enhanced MR angiography by combining fluoroscopic triggering with an elliptical centric acquisition order. Magnetic Resonance in Medicine, 1998, 40, 24-35.	1.9	83
23	Redefined Duplex Ultrasonographic Criteria for Diagnosis of Carotid Artery Stenosis. Mayo Clinic Proceedings, 2000, 75, 1133-1140.	1.4	83
24	Carotid Plaque Lipid Content and Fibrous Cap Status Predict Systemic CV Outcomes. JACC: Cardiovascular Imaging, 2017, 10, 241-249.	2.3	82
25	Direct visualization of Parkinson's disease by in vivo human brain imaging using 7.0T magnetic resonance imaging. Movement Disorders, 2011, 26, 713-718.	2.2	77
26	MR Elastography Demonstrates Increased Brain Stiffness in Normal Pressure Hydrocephalus. American Journal of Neuroradiology, 2016, 37, 462-467.	1.2	77
27	Theoretical limits of spatial resolution in elliptical-centric contrast-enhanced 3D-MRA. Magnetic Resonance in Medicine, 1999, 42, 1106-1116.	1.9	71
28	MR Elastography Analysis of Glioma Stiffness and <i>IDH1</i> -Mutation Status. American Journal of Neuroradiology, 2018, 39, 31-36.	1.2	70
29	Lightweight, compact, and highâ€performance 3 <scp>T MR</scp> system for imaging the brain and extremities. Magnetic Resonance in Medicine, 2018, 80, 2232-2245.	1.9	70
30	MR Elastography Demonstrates Unique Regional Brain Stiffness Patterns in Dementias. American Journal of Roentgenology, 2017, 209, 403-408.	1.0	68
31	Magnetic resonance elastography of frontotemporal dementia. Journal of Magnetic Resonance Imaging, 2016, 43, 474-478.	1.9	56
32	Magnetic resonance elastography detects tumoral consistency in pituitary macroadenomas. Pituitary, 2016, 19, 286-292.	1.6	56
33	Peripheral nerve stimulation characteristics of an asymmetric headâ€only gradient coil compatible with a highâ€channelâ€count receiver array. Magnetic Resonance in Medicine, 2016, 76, 1939-1950.	1.9	55
34	High slewâ€rate headâ€only gradient for improving distortion in echo planar imaging: Preliminary experience. Journal of Magnetic Resonance Imaging, 2016, 44, 653-664.	1.9	53
35	Stiffness and Beyond. Topics in Magnetic Resonance Imaging, 2018, 27, 305-318.	0.7	53
36	Cerebral microbleeds. Neurology, 2019, 92, e253-e262.	1.5	53

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37	3.0-Tesla MR angiography of intracranial aneurysms: Comparison of time-of-flight and contrast-enhanced techniques. Journal of Magnetic Resonance Imaging, 2005, 21, 97-102.	1.9	51
38	Slip Interface Imaging Predicts Tumor-Brain Adhesion in Vestibular Schwannomas. Radiology, 2015, 277, 507-517.	3.6	45
39	Slip interface imaging based on MRâ€elastography preoperatively predicts meningioma–brain adhesion. Journal of Magnetic Resonance Imaging, 2017, 46, 1007-1016.	1.9	44
40	Integrated image reconstruction and gradient nonlinearity correction. Magnetic Resonance in Medicine, 2015, 74, 1019-1031.	1.9	42
41	Carotid revascularization and medical management for asymptomatic carotid stenosis – Hemodynamics (CREST-H): Study design and rationale. International Journal of Stroke, 2018, 13, 985-991.	2.9	41
42	Artificial neural networks for stiffness estimation in magnetic resonance elastography. Magnetic Resonance in Medicine, 2018, 80, 351-360.	1.9	40
43	Clinical Correlation of Abnormal Findings on Magnetic Resonance Elastography in Idiopathic Normal Pressure Hydrocephalus. World Neurosurgery, 2017, 99, 695-700.e1.	0.7	36
44	The effects of statin therapy on carotid plaque composition and volume: A systematic review and meta-analysis. Journal of Neuroradiology, 2017, 44, 234-240.	0.6	35
45	Acute pressure changes in the brain are correlated with MR elastography stiffness measurements: initial feasibility in an in vivo large animal model. Magnetic Resonance in Medicine, 2018, 79, 1043-1051.	1.9	35
46	Clinical Factors Associated With High-Risk Carotid Plaque Features as Assessed by Magnetic Resonance Imaging in Patients With Established Vascular Disease (from the AIM-HIGH Study). American Journal of Cardiology, 2014, 114, 1412-1419.	0.7	33
47	Identification of Normal Pressure Hydrocephalus by Disease-Specific Patterns of Brain Stiffness and Damping Ratio. Investigative Radiology, 2020, 55, 200-208.	3.5	32
48	Evaluation of Classic 2D Time-of-Flight MR Angiography in the Depiction of Severe Carotid Stenosis. American Journal of Roentgenology, 2004, 183, 787-793.	1.0	31
49	Undersampled elliptical centric view-order for improved spatial resolution in contrast-enhanced MR angiography. Magnetic Resonance in Medicine, 2006, 55, 50-58.	1.9	31
50	Cerebral microbleed incidence, relationship to amyloid burden. Neurology, 2020, 94, e190-e199.	1.5	31
51	Extracranial Carotid MR Imaging at 3T. Magnetic Resonance Imaging Clinics of North America, 2006, 14, 109-121.	0.6	30
52	Mycophenolate mofetil in primary central nervous system vasculitis. Seminars in Arthritis and Rheumatism, 2015, 45, 55-59.	1.6	30
53	Gradient pre-emphasis to counteract first-order concomitant fields on asymmetric MRI gradient systems. Magnetic Resonance in Medicine, 2017, 77, 2250-2262.	1.9	30
54	Prevalence and Heterogeneity of Cerebrovascular Disease Imaging Lesions. Mayo Clinic Proceedings, 2020, 95, 1195-1205.	1.4	30

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55	Evaluation and Management of Transient Ischemic Attack and Minor Cerebral Infarction. Mayo Clinic Proceedings, 2004, 79, 1071-1086.	1.4	29
56	Prevalence and predictors of intracranial aneurysms in patients with bicuspid aortic valve. Heart, 2017, 103, 1508-1514.	1.2	29
57	Long-term remission, relapses and maintenance therapy in adult primary central nervous system vasculitis: A single-center 35-year experience. Autoimmunity Reviews, 2020, 19, 102497.	2.5	29
58	T1-Weighted MR imaging of the brain using a fast inversion recovery pulse sequence. Journal of Magnetic Resonance Imaging, 1996, 6, 356-362.	1.9	27
59	Feasibility of in vivo, multicontrast-weighted MR imaging of carotid atherosclerosis for multicenter studies. Journal of Magnetic Resonance Imaging, 2005, 21, 809-817.	1.9	27
60	Diagnostic accuracy of a clinical carotid plaque MR protocol using a neurovascular coil compared to a surface coil protocol. Journal of Magnetic Resonance Imaging, 2018, 48, 1264-1272.	1.9	26
61	Improved venous suppression and spatial resolution with SENSE in elliptical centric 3D contrast-enhanced MR angiography. Magnetic Resonance in Medicine, 2004, 52, 761-765.	1.9	23
62	Technical Note: Compact threeâ€tesla magnetic resonance imager with highâ€performance gradients passes ACR image quality and acoustic noise tests. Medical Physics, 2016, 43, 1259-1264.	1.6	23
63	Primary central nervous system vasculitis associated with lymphoma. Neurology, 2018, 90, e847-e855.	1.5	22
64	Interobserver variability of aneurysm morphology: discrimination of the daughter sac. Journal of NeuroInterventional Surgery, 2016, 8, 38-41.	2.0	20
65	The association between carotid intraplaque hemorrhage and outcomes of carotid stenting: a systematic review and meta-analysis. Journal of NeuroInterventional Surgery, 2017, 9, 837-842.	2.0	20
66	Primary central nervous system vasculitis mimicking brain tumor: Comprehensive analysis of 13 cases from a single institutional cohort of 191 cases. Journal of Autoimmunity, 2019, 97, 22-28.	3.0	20
67	Cerebrospinal fluid dynamics disorders. Neurology, 2019, 93, e2237-e2246.	1.5	19
68	Harnessing brain waves: a review of brain magnetic resonance elastography for clinicians and scientists entering the field. British Journal of Radiology, 2021, 94, 20200265.	1.0	19
69	NonCartesian MR image reconstruction with integrated gradient nonlinearity correction. Medical Physics, 2015, 42, 7190-7201.	1.6	17
70	Intracranial vessel wall imaging for evaluation of steno-occlusive diseases and intracranial aneurysms. Journal of Neuroradiology, 2017, 44, 123-134.	0.6	17
71	Is Hemispheric Hypoperfusion a Treatable Cause of Cognitive Impairment?. Current Cardiology Reports, 2019, 21, 4.	1.3	17
72	Common Data Elements for Radiological Imaging of Patients with Subarachnoid Hemorrhage: Proposal of a Multidisciplinary Research Group. Neurocritical Care, 2019, 30, 60-78.	1.2	17

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73	Combined spatiotemporal and frequency-dependent shear wave elastography enables detection of vulnerable carotid plaques as validated by MRI. Scientific Reports, 2020, 10, 403.	1.6	17
74	Embedded MR fluoroscopy: High temporal resolution real-time imaging during high spatial resolution 3D MRA acquisition. Magnetic Resonance in Medicine, 2001, 46, 690-698.	1.9	16
75	Artificial neural networks for magnetic resonance elastography stiffness estimation in in in in in in in in in	7.0	16
76	In vivo characterization of 3D skull and brain motion during dynamic head vibration using magnetic resonance elastography. Magnetic Resonance in Medicine, 2018, 80, 2573-2585.	1.9	15
77	Distortionâ€free imaging: A double encoding method (DIADEM) combined with multiband imaging for rapid distortionâ€free highâ€resolution diffusion imaging on a compact 3T with highâ€performance gradients. Journal of Magnetic Resonance Imaging, 2020, 51, 296-310.	1.9	15
78	Safety and efficacy of (+)â€epicatechin in subjects with Friedreich's ataxia: A phase <scp>II</scp> , openâ€label, prospective study. Journal of Inherited Metabolic Disease, 2021, 44, 502-514.	1.7	15
79	Prognostic Value of Intraplaque Neovascularization Detected by Carotid Contrast-Enhanced Ultrasound in Patients Undergoing Stress Echocardiography. Journal of the American Society of Echocardiography, 2021, 34, 614-624.	1.2	15
80	Improving apparent diffusion coefficient accuracy on a compact 3T MRI scanner using gradient nonlinearity correction. Journal of Magnetic Resonance Imaging, 2018, 48, 1498-1507.	1.9	13
81	Comparison of non-contrast vessel wall imaging and 3-D time-of-flight MRA for atherosclerotic stenosis and plaque characterization within intracranial arteries. Journal of Neuroradiology, 2020, 47, 266-271.	0.6	13
82	MR angiography fusion technique for treatment planning of intracranial arteriovenous malformations. Journal of Magnetic Resonance Imaging, 2006, 23, 361-369.	1.9	12
83	Intracranial contrastâ€enhanced magnetic resonance venography with 6.4â€fold sensitivity encoding at 1.5 and 3.0 Tesla. Journal of Magnetic Resonance Imaging, 2008, 27, 653-658.	1.9	12
84	Partial fourier and parallel <scp>MR</scp> image reconstruction with integrated gradient nonlinearity correction. Magnetic Resonance in Medicine, 2016, 75, 2534-2544.	1.9	12
85	Embolic Stroke of Undetermined Source and Carotid Intraplaque Hemorrhage on MRI. Clinical Neuroradiology, 2021, 31, 307-313.	1.0	12
86	TURBINEâ€MRE: A 3D hybrid radial artesian EPI acquisition for MR elastography. Magnetic Resonance in Medicine, 2021, 85, 945-952.	1.9	12
87	Noninvasive characterization of carotid plaque strain. Journal of Vascular Surgery, 2017, 65, 1653-1663.	0.6	11
88	Reducing PNS with minimal performance penalties via simple pulse sequence modifications on a high-performance compact 3T scanner. Physics in Medicine and Biology, 2020, 65, 15NT02.	1.6	11
89	Fast 3D MR elastography of the whole brain using spiral staircase: Data acquisition, image reconstruction, and joint deblurring. Magnetic Resonance in Medicine, 2021, 86, 2011-2024.	1.9	11
90	Adenoid Cystic Carcinoma Metastatic to the Pituitary: A Case Report and Discussion of Potential Diagnostic Value of Magnetic Resonance Elastography in Pituitary Tumors. World Neurosurgery, 2016, 91, 669.e11-669.e14.	0.7	10

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91	Phantom validation of quantitative susceptibility and dynamic contrastâ€enhanced permeability MR sequences across instruments and sites. Journal of Magnetic Resonance Imaging, 2020, 51, 1192-1199.	1.9	10
92	Application of Adaptive Image Receive Coil Technology for Whole-Brain Imaging. American Journal of Roentgenology, 2021, 216, 552-559.	1.0	10
93	Idiopathic Intracranial Hypertension is Associated with a Higher Burden of Visible Cerebral Perivascular Spaces: The Glymphatic Connection. American Journal of Neuroradiology, 2021, 42, 2160-2164.	1.2	10
94	Hybrid phased array for improved internal auditory canal imaging at 3.0-T MR. Journal of Magnetic Resonance Imaging, 2002, 16, 300-304.	1.9	9
95	Specificity of MR Angiography as a Confirmatory Test for Carotid Artery Stenosis: Is It Valid?. American Journal of Roentgenology, 2007, 188, 1114-1116.	1.0	9
96	Aberrant posterior inferior cerebellar artery injury with C1 lateral mass screw placement: a case report and review of the literature. Spine Journal, 2014, 14, e7-e14.	0.6	9
97	The effect of concomitant fields in fast spin echo acquisition on asymmetric MRI gradient systems. Magnetic Resonance in Medicine, 2018, 79, 1354-1364.	1.9	9
98	Heritability of circle of Willis variations in families with intracranial aneurysms. PLoS ONE, 2018, 13, e0191974.	1.1	9
99	Carotid Intraplaque Hemorrhage and Stenosis: At What Stage of Plaque Progression Does Intraplaque Hemorrhage Occur, and When is It Most Likely to Be Associated with Symptoms?. American Journal of Neuroradiology, 2021, 42, 1285-1290.	1.2	9
100	Current State-of-the-Art 1.5 T and 3 T Extracranial Carotid Contrast-Enhanced Magnetic Resonance Angiography. Neuroimaging Clinics of North America, 2012, 22, 235-257.	0.5	8
101	Predicting pituitary adenoma consistency with preoperative magnetic resonance elastography. Journal of Neurosurgery, 2022, 136, 1356-1363.	0.9	8
102	The effect of spiral trajectory correction on pseudoâ€continuous arterial spin labeling with highâ€performance gradients on a compact 3T scanner. Magnetic Resonance in Medicine, 2020, 84, 192-205.	1.9	7
103	Left-sided carotid arteries have a higher prevalence of intraplaque hemorrhage than right-sided: An asymmetric conundrum. Neuroradiology Journal, 2020, 33, 494-500.	0.6	7
104	A new method for quantification and 3D visualization of brain tumor adhesion using slip interface imaging in patients with meningiomas. European Radiology, 2021, 31, 5554-5564.	2.3	7
105	Impact of material homogeneity assumption on cortical stiffness estimates by <scp>MR</scp> elastography. Magnetic Resonance in Medicine, 2022, 88, 916-929.	1.9	7
106	Contrastâ€enhanced intracranial magnetic resonance angiography with a spherical shells trajectory and online gridding reconstruction. Journal of Magnetic Resonance Imaging, 2009, 30, 1101-1109.	1.9	6
107	Ice Hockey Summit II: Zero Tolerance for Head Hits and Fighting. PM and R, 2015, 7, 283-295.	0.9	6
108	Reduced acoustic noise in diffusion tensor imaging on a compact <scp>MRI</scp> system. Magnetic Resonance in Medicine, 2018, 79, 2902-2911.	1.9	6

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109	Carotid Intraplaque Hemorrhage Is Associated with Cardiovascular Risk Factors. Cerebrovascular Diseases, 2020, 49, 355-360.	0.8	6
110	The benefit of high-performance gradients on echo planar imaging for BOLD-based resting-state functional MRI. Physics in Medicine and Biology, 2020, 65, 235024.	1.6	6
111	The development of ultra–high field MRI guidance technology for neuronavigation. Journal of Neurosurgery, 2022, 137, 1265-1277.	0.9	6
112	Concussions in Ice Hockey — Moving Toward Objective Diagnoses and Point-of-care Treatment: A Review. Current Sports Medicine Reports, 2020, 19, 380-386.	0.5	5
113	CSF dynamics disorders: Association of brain MRI and nuclear medicine cisternogram findings. NeuroImage: Clinical, 2020, 28, 102481.	1.4	5
114	Carotid plaque vulnerability on magnetic resonance imaging and risk of future ischemic events: a systematic review and meta-analysis. Journal of Neurosurgical Sciences, 2020, 64, 480-486.	0.3	5
115	Features of Idiopathic Intracranial Hypertension on MRI With MR Elastography: Prospective Comparison With Control Individuals and Assessment of Postintervention Changes. American Journal of Roentgenology, 2022, 219, 940-951.	1.0	5
116	Timeâ€resolved contrastâ€enhanced MR angiography with singleâ€echo Dixon fat suppression. Magnetic Resonance in Medicine, 2018, 80, 1556-1567.	1.9	4
117	An angiographic atlas of intracranial arterial diameters associated with cerebral aneurysms. Journal of NeuroInterventional Surgery, 2014, 6, 533-535.	2.0	3
118	Magnetizationâ€prepared shells trajectory with automated gradient waveform design. Magnetic Resonance in Medicine, 2018, 79, 2024-2035.	1.9	3
119	Variations in the Presence of Carotid Intraplaque Hemorrhage Across Age Categories: What Age Groups Are Most Likely to Benefit From Plaque Imaging?. Frontiers in Neurology, 2020, 11, 603055.	1.1	3
120	Improved Brain MR Imaging from a Compact, Lightweight 3T Scanner with Highâ€Performance Gradients. Journal of Magnetic Resonance Imaging, 2021, , .	1.9	3
121	Normalized intraplaque hemorrhage signal on MP-RACE as a marker for acute ischemic neurological events. Neuroradiology Journal, 2022, 35, 112-118.	0.6	3
122	Magnetic Resonance Elastography of the Brain. , 2014, , 89-98.		3
123	Correlation of MRI-detected vulnerable carotid plaques with clinical presentation: a systematic review and meta-analysis. Journal of Neurosurgical Sciences, 2020, 64, 263-271.	0.3	3
124	Left–Right Intensity Asymmetries Vary Depending on Scanner Model for FLAIR and T 1 Weighted MRI Images. Journal of Magnetic Resonance Imaging, 2022, , .	1.9	3
125	Magnetic resonance elastography of frontotemporal dementia. Journal of Magnetic Resonance Imaging, 2016, 43, spcone.	1.9	2
126	Decreased vessel wall enhancement as a biomarker for response to corticosteroids in a patient with CNS vasculitis. Journal of Neurosurgical Sciences, 2018, 63, 100-101.	0.3	2

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127	Changes in Ventricular and Cortical Volumes following Shunt Placement in Patients with Idiopathic Normal Pressure Hydrocephalus. American Journal of Neuroradiology, 2021, , .	1.2	2
128	Future Directions in Imaging of Neck and Brain Vessels. Journal of Neuro-Ophthalmology, 2004, 24, 283-284.	0.4	1
129	Head and Neck MRA at 3.0T. Current Protocols in Magnetic Resonance Imaging, 2008, 15, A7.8.1.	0.0	0
130	Reply to â€~Comment on "Appropriate MRI sequences for lead localization after deep brain stimulation surgeryâ€â€™. Journal of Clinical Neuroscience, 2014, 21, 2258.	0.8	0
131	Model-Based Iterative Reconstruction for Echo Planar Imaging: Methods and Applications. , 2019, , .		0
132	Regional Brain Stiffness Analysis of Dementia with Lewy Bodies. Journal of Magnetic Resonance Imaging, 2022, 55, 1907-1909.	1.9	0
133	Abstract TP582: A Multi-Site Validation of MRI Biomarkers of Vascular Leak and Hemorrhage for Forthcoming Clinical Trials. Stroke, 2019, 50, .	1.0	0
134	Predicting Pituitary Adenomas Consistency with Preoperative Magnetic Resonance Elastography. Journal of Neurological Surgery, Part B: Skull Base, 2020, 81, .	0.4	0