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2209	2017 McDonald MS diagnostic criteria: Evidence-based revisions. 2018 , 24, 92-95		20
2208	Paediatric multiple sclerosis: early diagnosis as a first step. 2018 , 2, 161-162		1
2207	Optimal Intereye Difference Thresholds in Retinal Nerve Fiber Layer Thickness for Predicting a Unilateral Optic Nerve Lesion in Multiple Sclerosis. 2018 , 38, 451-458		33
2206	Clinical applications of ultra-high field magnetic resonance imaging in multiple sclerosis. 2018 , 18, 221-	230	13
2205	Multiple sclerosis in 2017: Progress in multiple sclerosis - from diagnosis to therapy. 2018 , 14, 72-74		5
2204	Evolving diagnostic criteria for multiple sclerosis. <i>Lancet Neurology, The</i> , 2018 , 17, 118	24.1	5
2203	Preservation of neuronal function as measured by clinical and MRI endpoints in relapsing-remitting multiple sclerosis: how effective are current treatment strategies?. 2018 , 18, 203-219		4
2202	MRI and laboratory features and the performance of international criteria in the diagnosis of multiple sclerosis in children and adolescents: a prospective cohort study. 2018 , 2, 191-204		57
2201	2017 Japanese guidelines for multiple sclerosis and neuromyelitis optica: Achievements and challenges. 2018 , 9, 4-6		

Do spinal cord lesions matter in patients with clinically isolated syndrome and early MS?. 2018 , 24, 430-431	5
White paper by the Society for CSF Analysis and Clinical Neurochemistry: Overcoming barriers in biomarker development and clinical translation. 2018 , 10, 30	29
Commentary on the ECTRIMS-EAN guideline for pharmacological treatment of multiple sclerosis. 2198 2018 , 11, 1756286418770378	2
2197 Diagnosis of multiple sclerosis through the lens of ultra-high-field MRI. 2018 , 291, 101-109	10
2196 Neurobehët, multiple sclerosis or overlap syndrome? A case report. 2018 , 39, 1625-1627	2
2195 Headache and Its Management in Patients With Multiple Sclerosis. 2018 , 20, 10	11
2194 MRI in multiple sclerosis: clinical and research update. 2018 , 31, 249-255	16
2193 OCT is an alternative to MRI for monitoring MS - Commentary. 2018 , 24, 705-706	2
2192 Multiple sclerosis. 2018 , 391, 1622-1636	698
2191 Secondary antibody deficiency in neurology. 2018 , 18, 481-488	4
Secondary antibody deficiency in neurology. 2018 , 18, 481-488 2190 The role of optical coherence tomography in neuro-ophthalmology. 2018 , 3, 35-35	10
The role of optical coherence tomography in neuro-ophthalmology. 2018 , 3, 35-35 Geostatistical Analysis of White Matter Lesions in Multiple Sclerosis Identifies Gender Differences	10
The role of optical coherence tomography in neuro-ophthalmology. 2018 , 3, 35-35 Geostatistical Analysis of White Matter Lesions in Multiple Sclerosis Identifies Gender Differences in Lesion Evolution. 2018 , 11, 460 The International Multiple Sclerosis Visual System Consortium: Advancing Visual System Research	10
The role of optical coherence tomography in neuro-ophthalmology. 2018, 3, 35-35 Geostatistical Analysis of White Matter Lesions in Multiple Sclerosis Identifies Gender Differences in Lesion Evolution. 2018, 11, 460 The International Multiple Sclerosis Visual System Consortium: Advancing Visual System Research in Multiple Sclerosis. 2018, 38, 494-501 Sociodemographic, environmental and lifestyle risk factors for multiple sclerosis development in	10 1 8
The role of optical coherence tomography in neuro-ophthalmology. 2018, 3, 35-35 Geostatistical Analysis of White Matter Lesions in Multiple Sclerosis Identifies Gender Differences in Lesion Evolution. 2018, 11, 460 The International Multiple Sclerosis Visual System Consortium: Advancing Visual System Research in Multiple Sclerosis. 2018, 38, 494-501 Sociodemographic, environmental and lifestyle risk factors for multiple sclerosis development in the Western region of Saudi Arabia. A matched case control study. 2018, 39, 808-814	10 1 8
The International Multiple Sclerosis Visual System Consortium: Advancing Visual System Research in Multiple Sclerosis. 2018, 38, 494-501 Sociodemographic, environmental and lifestyle risk factors for multiple sclerosis development in the Western region of Saudi Arabia. A matched case control study. 2018, 39, 808-814 Multiple Sclerosis: Diagnosis and Differential Diagnosis. 2018, 55, S1-S9 Early predictors of conversion in patients with clinically isolated syndrome: a preliminary Egyptian	10 1 8 10

2182	Multiple Sclerosis and Variants. 2018 , 1-41	1
2181	Investigating the Role of MicroRNA and Transcription Factor Co-regulatory Networks in Multiple Sclerosis Pathogenesis. 2018 , 19,	25
2180	[Optical Coherence Tomography in Disorders of the Central Nervous System]. 2018, 235, 1242-1258	1
2179	Multiple sclerosis. 2018, 4, 43	372
2178	[Recommendations About Multiple Sclerosis Management During Pregnancy, Partum and Post-Partum: Consensus Position of The Portuguese Multiple Sclerosis Study Group and The Portuguese Society of Obstetrics and Maternal-Fetal Medicine]. 2018 , 31, 785-795	1
2177	Myelin Oligodendrocyte Glycoprotein Antibody-Associated Disorders: Toward a New Spectrum of Inflammatory Demyelinating CNS Disorders?. 2018 , 9, 2753	31
2176	Central Nervous System Involvement in Common Variable Immunodeficiency: A Case of Acute Unilateral Optic Neuritis in a 26-Year-Old Italian Patient. 2018 , 9, 1031	3
2175	Factors associated with time from first-symptoms to diagnosis and treatment initiation of Multiple Sclerosis in Switzerland. 2018 , 4, 2055217318814562	6
2174	Should Spinal MRI Be Routinely Performed in Patients With Clinically Isolated Optic Neuritis?. 2018 , 38, 502-510	1
2173	Anti-Myelin Oligodendrocyte Glycoprotein and Human Leukocyte Antigens as Markers in Pediatric and Adolescent Multiple Sclerosis: on Diagnosis, Clinical Phenotypes, and Therapeutic Responses. 2018 , 2018, 8487471	6
2172	Clinical Neurophysiology in the Treatment of Disease. 2018 , 58, 203-212	
2171	Multiple Sclerosis: A Global Concern with Multiple Challenges in an Era of Advanced Therapeutic Complex Molecules and Biological Medicines. 2018 , 6,	10
2170	The Persisting Significance of Oligoclonal Bands in the Dawning Era of Kappa Free Light Chains for the Diagnosis of Multiple Sclerosis. 2018 , 19,	23
2169	Genome-wide DNA methylation changes in CD19 B cells from relapsing-remitting multiple sclerosis patients. 2018 , 8, 17418	28
2168	Differences in Intercellular Communication During Clinical Relapse and Gadolinium-Enhanced MRI in Patients With Relapsing Remitting Multiple Sclerosis: A Study of the Composition of Extracellular Vesicles in Cerebrospinal Fluid. 2018 , 12, 418	12
2167	[Clinical analysis of opticospinal multiple sclerosis (OSMS) presentation detecting anti-myelin oligodendrocyte glycoprotein (MOG) antibody]. 2018 , 58, 737-744	2
2166	Multiplex Matrix Metalloproteinases Analysis in the Cerebrospinal Fluid Reveals Potential Specific Patterns in Multiple Sclerosis Patients. 2018 , 9, 1080	8
2165	Determining the Etiology of Internuclear Ophthalmoplegia in a Patient with a Cardiac Pacemaker and Complex Neurological Presentation. 2018 , 14, 574-576	

2164 Incidence and prevalence of MS in children: A population-based study in Ontario, Canada. 2018, 91, e1579-e159@ Detection of Leukocortical Lesions in Multiple Sclerosis and Their Association with Physical and Cognitive Impairment: A Comparison of Conventional and Synthetic Phase-Sensitive Inversion 2163 10 Recovery MRI. 2018, 39, 1995-2000 2162 [Autoimmune reactions and paraneoplastic syndromes]. 2018, 58, 1080-1090 Biopsying a spinal cord lesion: A diagnostic dilemma. Case report and review of literature. 2018, 64, 425-430 6 2160 The MRI central vein marker; differentiating PPMS from RRMS and ischemic SVD. 2018, 5, e496 9 2159 Serum GFAP as a biomarker for disease severity in multiple sclerosis. 2018, 8, 14798 74 Relevance of KFLC quantification to differentiate clinically isolated syndrome from multiple 2158 8 sclerosis at clinical onset. 2018, 174, 220-229 Therapeutic Advances and Challenges in the Treatment of Progressive Multiple Sclerosis. 2018, 78, 1549-1566 24 2156 Functional Connectivity in Multiple Sclerosis: Recent Findings and Future Directions. 2018, 9, 828 34 Differential Gray Matter Vulnerability in the 1 Year Following a Clinically Isolated Syndrome. 2018, 2155 12 9,824 Visual Evoked Potentials as a Biomarker in Multiple Sclerosis and Associated Optic Neuritis. 2018, 2154 19 38, 350-357 NEDA-3 status including cortical lesions in the comparative evaluation of natalizumab fingolimod 2153 efficacy in multiple sclerosis. **2018**, 11, 1756286418805713 Guidelines of the Polish Medical Society of radiology for the routinely used MRI protocol in patients 2152 2 with multiple sclerosis. 2018, 52, 638-642 Multiple sclerosis: clinical aspects. 2018, 31, 752-759 135 2150 Is the dual-task cost of walking and texting unique in people with multiple sclerosis?. 2018, 125, 1829-1835 5 Rebound After Fingolimod and a Single Daclizumab Injection in a Patient Retrospectively Diagnosed With NMO Spectrum Disorder-MRI Apparent Diffusion Coefficient Maps in Differential Diagnosis of Demyelinating CNS Disorders. 2018, 9, 782 The Central Vein: FLAIR Signal Abnormalities Associated with Developmental Venous Anomalies in 8 2148 Patients with Multiple Sclerosis. 2018, 39, 2007-2013 2147 [Care pathway diversity of patients with multiple sclerosis between French regions]. 2018, 66, 385-394 2

2146	Clinical utility of anti-MOG antibody testing in a Danish cohort. 2018 , 26, 61-67	7
2145	Pediatric Multiple Sclerosis: an Update. 2018 , 18, 76	21
2144	Brazilian Consensus for the Treatment of Multiple Sclerosis: Brazilian Academy of Neurology and Brazilian Committee on Treatment and Research in Multiple Sclerosis. 2018 , 76, 539-554	13
2143	[Neuroimmunology and rheumatology: overlap and differential diagnoses]. 2018, 89, 1095-1105	1
2142	Learning from other autoimmunities to understand targeting of B cells to control multiple sclerosis. 2018 , 141, 2834-2847	35
2141	Glial Fibrillary Acidic Protein Antibody: Another Antibody in the Multiple Sclerosis Diagnostic Mix. 2018 , 38, 281-284	2
2140	Interleukin-6, S-Nitrosothiols, and Neurodegeneration in Different Central Nervous System Demyelinating Disorders: Is There a Relationship?. 2018 , 14, 327-332	8
2139	Laboratory Performance on Reporting Monoclonal Gammopathy During Cerebrospinal Fluid Oligoclonal Banding Analysis from External Quality Assessment Surveys. 2018 , 3, 261-266	O
2138	2017 revisions of McDonald criteria shorten the time to diagnosis of multiple sclerosis in clinically isolated syndromes. 2018 , 265, 2684-2687	25
2137	Delayed treatment of MS is associated with high CSF levels of IL-6 and IL-8 and worse future disease course. 2018 , 265, 2540-2547	21
2136	Neurologische Fachpflege von Menschen mit Multipler Sklerose. 2018 , 71, 36-40	
2135	Search for a prognostic biomarker in multiple sclerosis: a step in the right direction?. 2018 , 89, 1015	
2134	Impact of the 2017 revisions to McDonald criteria on the diagnosis of multiple sclerosis. 2018 , 24, 1786-1787	17
2133	Applying the 2017 McDonald diagnostic criteria for multiple sclerosis. <i>Lancet Neurology, The</i> , 2018 , 17, 497	2
2132	Conventional and advanced MRI in multiple sclerosis. 2018 , 174, 391-397	5
2131	Applying the 2017 McDonald diagnostic criteria for multiple sclerosis. <i>Lancet Neurology, The</i> , 2018 , 17, 496-497	5
2130	Applying the 2017 McDonald diagnostic criteria for multiple sclerosis. <i>Lancet Neurology, The</i> , 2018 , 17, 498	9
2129	Applying the 2017 McDonald diagnostic criteria for multiple sclerosis. <i>Lancet Neurology, The</i> , 2018 , 17, 497-498	5

(2018-2018)

2128	Applying the 2017 McDonald diagnostic criteria for multiple sclerosis. <i>Lancet Neurology, The</i> , 2018 , 17, 498-499	24.1	2
2127	Applying the 2017 McDonald diagnostic criteria for multiple sclerosis - Authors' reply. <i>Lancet Neurology, The</i> , 2018 , 17, 499-500	24.1	22
2126	Aktuelles aus der Forschung. 2018 , 45, 215-217		1
2125	Causas no inflamatorias de consulta urgente en esclerosis mítiple. 2018,		1
2124	MRI in multiple sclerosis: what is changing?. 2018 , 31, 386-395		13
2123	The Role of Extracellular Adenosine Generation in the Development of Autoimmune Diseases. 2018 , 2018, 7019398		23
2122	Increases in fatigue do not change spasticity scores in persons with multiple sclerosis. 2018 , 8, 143-150		1
2121	Consensus Recommendations of the Multiple Sclerosis Study Group and Portuguese Neuroradiological Society for the Use of the Magnetic Resonance Imaging in Multiple Sclerosis in Clinical Practice: Part 1. 2018 , 31, 281-289		
2120	Radiologically isolated syndrome in children: Current knowledge and future directions. 2018 , 24, 79-84		1
2119	Pharmacotherapy in Secondary Progressive Multiple Sclerosis: An Overview. 2018 , 32, 499-526		16
2118	Monitoring Progressive Multiple Sclerosis with Novel Imaging Techniques. 2018, 7, 265-285		11
2117	Multiple Sklerose und andere autoimmune ZNS-Erkrankungen. 2018 , 1-103		
2116	Retinal ganglion cell loss in neuromyelitis optica: a longitudinal study. 2018 , 89, 1259-1265		56
2115	Neurofilaments and 10-year follow-up in multiple sclerosis. 2018 , 24, 1301-1307		42
2114	Searching for neurodegeneration in multiple sclerosis at clinical onset: Diagnostic value of biomarkers. 2018 , 13, e0194828		21
2113	Application of the 2017 Revised McDonald Criteria for Multiple Sclerosis to Patients With a Typical Clinically Isolated Syndrome. 2018 , 75, 1392-1398		57
2112	Clinical monitoring of multiple sclerosis should routinely include spinal cord imaging - No. 2018 , 24, 153	7-1539	93
2111	Neuromyelitis optica spectrum disorder and multiple sclerosis in a Sardinian family. 2018 , 25, 73-76		3

2110	Cerebrospinal fluid free kappa light chains and kappa index perform equal to oligoclonal bands in the diagnosis of multiple sclerosis. 2018 , 57, 210-220	17
2109	Clinical trials in multiple sclerosis: milestones. 2018 , 11, 1756286418785499	7
2108	Establishing the diagnosis of multiple sclerosis in Croatian patients with clinically isolated syndrome: 2010 versus 2017 McDonald criteria. 2018 , 25, 99-103	17
2107	Predicting cognitive decline in multiple sclerosis: a 5-year follow-up study. 2018 , 141, 2605-2618	74
2106	Applicability of McDonald 2010 and Magnetic Resonance Imaging in Multiple Sclerosis (MAGNIMS) 2016 Magnetic Resonance Imaging Criteria for the Diagnosis of Multiple Sclerosis in Sri Lanka. 2018 , 14, 339-344	1
2105	Consensus recommendations for the diagnosis and treatment of primary progressive multiple sclerosis in Latin America. 2018 , 393, 4-13	3
2104	Neurological Disease in Lupus: Toward a Personalized Medicine Approach. 2018 , 9, 1146	19
2103	Inflammasome Proteins As Biomarkers of Multiple Sclerosis. 2018 , 9, 135	49
2102	Progressive Demyelination in the Presence of Serum Myelin Oligodendrocyte Glycoprotein-IgG: A Case Report. 2018 , 9, 340	4
2101	Emerging Biosensing Technologies for Neuroinflammatory and Neurodegenerative Disease Diagnostics. 2018 , 11, 164	19
2100	Genetic Determinants of Antibody Levels in Cerebrospinal Fluid in Multiple Sclerosis: Possible Links to Endogenous Retroviruses. 2018 , 19,	3
2099	The Effect of Three Different Strategies Based on Motor Task Performance on Neuromuscular Fatigue in Healthy Men and Men with Multiple Sclerosis. 2018 , 54,	3
2098	Clinical Application of 2017 McDonald Diagnostic Criteria for Multiple Sclerosis. 2018, 14, 387-392	15
2097	Mapping Deep Gray Matter Iron in Multiple Sclerosis by Using Quantitative Magnetic Susceptibility. 2018 , 289, 497-498	3
2096	Clinical Presentations and Phenotypic Spectrum of Multiple Sclerosis at a University Hospital in Saudi Arabia. 2018 , 14, 359-365	8
2095	ANN Classification of MS Subgroups with Diffusion Limited Aggregation. 2018 , 121-136	4
2094	Neurofilament levels, disease activity and brain volume during follow-up in multiple sclerosis. 2018 , 15, 209	64
2093	Structural cortical network reorganization associated with early conversion to multiple sclerosis. 2018 , 8, 10715	10

2092 Identification of Chronic Active Multiple Sclerosis Lesions on 3T MRI. 2018 , 39, 1233-1238	53
Evolution of Visual Outcomes in Clinical Trials for Multiple Sclerosis Disease-Modifying Therapies. 2018 , 38, 202-209	13
2090 Vitamin D-binding protein and multiple sclerosis: Evidence, controversies, and needs. 2018 , 24, 1526-1535	10
2089 Optic neuritis in the diagnosis of MS: More than meets the eye. 2018 , 91, 545-546	2
Brain and spinal cord lesion criteria distinguishes AQP4-positive neuromyelitis optica and MOG-positive disease from multiple sclerosis. 2018 , 25, 246-250	20
2087 Cerebrospinal fluid GAP-43 in early multiple sclerosis. 2018 , 4, 2055217318792931	4
Intrathecal K free light chain synthesis in multiple sclerosis at clinical onset associates with local IgG production and improves the diagnostic value of cerebrospinal fluid examination. 2018 , 25, 241-245	19
Age-adjusted CSF 1 -microglobulin and lactate are increased and ACE is decreased in patients with multiple sclerosis, but only lactate correlates with clinical disease duration and severity. 2018 , 323, 19-27	4
Three Japanese adult cases of brain lesions with anti-myelin oligodendrocyte glycoprotein antibodies lacking optic neuritis and myelitis. 2018 , 9, 162-168	1
Cancer Risk in Patients with Multiple Sclerosis: Potential Impact of Disease-Modifying Drugs. 2018 , 32, 939-949	44
2082 Diagnostics of autoimmune neurodegeneration using fluorescent probing. 2018 , 8, 12679	О
$_{2081}$ The relevance of ceramides and their synthesizing enzymes for multiple sclerosis. 2018 , 132, 1963-1976	22
2080 Retinal imaging with optical coherence tomography: a biomarker in multiple sclerosis?. 2018 , 10, 47-63	41
Inclusion of optic nerve involvement in dissemination in space criteria for multiple sclerosis. 2018 , 91, e1130-e1134	20
Multiple sclerosis and mixed microbial infections. Direct identification of fungi and bacteria in nervous tissue. 2018 , 117, 42-61	23
The Radiologically Isolated Syndrome: An Opportunity to Prevent Multiple Sclerosis in Children. 2018 , 85, 13-15	1
2076 [Diagnosis of multiple sclerosis: revision of the McDonald criteria 2017]. 2018 , 89, 1344-1354	8
2075 Precision medicine for multiple sclerosis promotes preventative medicine. 2018 , 1420, 62-71	5

2074	Improved Detection of New MS Lesions during Follow-Up Using an Automated MR Coregistration-Fusion Method. 2018 , 39, 1226-1232	9
2073	Multiple sclerosis pathogenesis: missing pieces of an old puzzle. 2018 , 30, 67-83	12
2072	Three-Tesla MRI does not improve the diagnosis of multiple sclerosis: A multicenter study. 2018 , 91, e249-e257	18
2071	Commentary on Al Hussona et al. 'New-onset seizures as a sole clinical presentation of multiple sclerosis'. 2019 , 25, 298-299	
2070	Application of the 2017 McDonald diagnostic criteria for multiple sclerosis in Korean patients with clinically isolated syndrome. 2019 , 25, 1488-1495	21
2069	Cortical and meningeal pathology in progressive multiple sclerosis: a new therapeutic target?. 2019 , 30, 221-232	4
2068	Pure spinal multiple sclerosis: A possible novel entity within the multiple sclerosis disease spectrum. 2019 , 25, 1189-1195	3
2067	Magnetic resonance imaging as a prognostic disability marker in clinically isolated syndrome: A systematic review. 2019 , 139, 18-32	10
2066	Abnormal venous postural control: multiple sclerosis-specific change related to gray matter pathology or age-related neurodegenerative phenomena?. 2019 , 29, 329-338	3
2065	MRI quality control for the Italian Neuroimaging Network Initiative: moving towards big data in multiple sclerosis. 2019 , 266, 2848-2858	7
2064	Initiation of first disease-modifying treatment for multiple sclerosis patients in the Czech republic from 2013 to 2016: Data from the national registry ReMuS. 2019 , 35, 196-202	5
2063	Changing patterns of multiple sclerosis in Korea: Toward a more baseline MRI lesions and intrathecal humoral immune responses. 2019 , 35, 209-214	O
2062	Lipid profile of cerebrospinal fluid in multiple sclerosis patients: a potential tool for diagnosis. 2019 , 9, 11313	21
2061	Ensayo pictfico: Diagnfitico diferencial radiolfico en Esclerosis Mítiple. 2019 , 25, 5-18	
2060	Pregnancy and multiple sclerosis: Clinical effects across the lifespan. 2019 , 18, 102360	12
2059	The predictive value of CSF multiple assay in multiple sclerosis: A single center experience. 2019 , 35, 176-181	7
2058	Targeted metabolomics approach for identification of relapsing-remitting multiple sclerosis markers and evaluation of diagnostic models. 2019 , 10, 1803-1809	9
2057	Aktuelle Therapieempfehlungen bei multipler Sklerose im Kindes- und Jugendalter. 2019 , 167, 282-291	О

Multiple sclerosis in resource-limited settings: Research opportunities in an unequal world. 2019 , 93, 176-180	6
Evaluation of the Central Vein Sign as a Diagnostic Imaging Biomarker in Multiple Sclerosis. 2019 , 76, 1446-1456	59
2054 Multiple Sclerosis and Variants. 2019 , 727-767	
Cerebrospinal fluid neurofilament light chain predicts disease activity after the first demyelinating event suggestive of multiple sclerosis. 2019 , 35, 228-232	11
Optimizing 3D FLAIR to detect MS lesions: pushing past factory settings for precise results. 2019 , 266, 2786-2795	1
2051 Prevalence and Incidence of Multiple Sclerosis in the City of Biancavilla. 2019 , 53, 108-114	3
2050 Use of gadolinium for MRI diagnostic or surveillance studies in patients with MS. 2019 , 93, 239-240	2
MRI of acute optic neuritis (ON) at the first episode: Can we predict the visual outcome and the development of multiple sclerosis (MS)?. 2019 , 124, 1296-1303	4
Pharmacodynamic assessment of cell-bound natalizumab on PBMC samples stored in liquid nitrogen. 2019 , 473, 112632	3
Radiologically isolated syndrome is antiquated amidst evolving McDonald criteria for multiple sclerosis. 2021 , 26, 307-309	O
2046 Esclerosis mĺtiple. 2019 , 12, 4587-4597	2
A prospective, observational study on conversion of clinically isolated syndrome to multiple sclerosis during 4-year period (MS NEO study) in Taiwan. 2019 , 14, e0202453	4
Evaluation of Myelin Radiotracers in the Lysolecithin Rat Model of Focal Demyelination: Beware of Pitfalls!. 2019 , 2019, 9294586	5
2043 Drug Treatment of Clinically Isolated Syndrome. 2019 , 33, 659-676	6
2042 McArdle Sign: A Specific Sign of Multiple Sclerosis. 2019 , 94, 1427-1435	4
A mathematical model to predict the evolution of retinal nerve fiber layer thinning in multiple sclerosis patients. 2019 , 111, 103357	4
Two Sides to Every Story: Perspectives from Four Patients and a Healthcare Professional on Multiple Sclerosis Disease Progression. 2019 , 8, 185-205	9
2039 Trials and therapies in secondary progressive MS, simplified. 2019 , 15, 431-432	5

2038	Brain volume dynamics in multiple sclerosis. A case-control study. 2019 , 41, 936-942	3
2037	A single nucleotide polymorphism within Ninjurin 2 is associated with risk of multiple sclerosis. 2019 , 34, 1415-1419	7
2036	Free light chains in cerebrospinal fluid of multiple sclerosis patients negative for IgG oligoclonal bands. 2019 , 496, 117-120	8
2035	GM-CSF and CXCR4 define a T helper cell signature in multiple sclerosis. 2019 , 25, 1290-1300	86
2034	A unique case of multiphasic ADEM or what else?. 2019 , 35, 73-75	1
2033	Plasma proteome in multiple sclerosis disease progression. 2019 , 6, 1582-1594	11
2032	Early highly effective versus escalation treatment approaches in relapsing multiple sclerosis. <i>Lancet Neurology, The</i> , 2019 , 18, 973-980	49
2031	TREM2 R47H (rs75932628) variant is unlikely to contribute to Multiple Sclerosis susceptibility and severity in a large Greek MS cohort. 2019 , 35, 116-118	7
2030	Coming off cannabis: a cognitive and magnetic resonance imaging study in patients with multiple sclerosis. 2019 , 142, 2800-2812	13
2029	Improving acute demyelinating lesion detection: which T1-weighted magnetic resonance acquisition is more sensitive to gadolinium enhancement?. 2019 , 77, 485-492	О
2028	Diagnosis and Management of Progressive Multiple Sclerosis. 2019 , 7,	26
2027	Using biomarkers to predict clinical outcomes in multiple sclerosis. 2019 , 19, 342-349	3
2026	Improving Detection of Multiple Sclerosis Lesions in the Posterior Fossa Using an Optimized 3D-FLAIR Sequence at 3T. 2019 , 40, 1170-1176	4
2025	Gadolinium Retention in the Brain: An MRI Relaxometry Study of Linear and Macrocyclic Gadolinium-Based Contrast Agents in Multiple Sclerosis. 2019 , 40, 1265-1273	13
2024	[Neuroradiology in ophthalmology]. 2019 , 116, 689-706	
2023	Advances in brain imaging in multiple sclerosis. 2019 , 12, 1756286419859722	31
2022	Correlation between auto/mitophagic processes and magnetic resonance imaging activity in multiple sclerosis patients. 2019 , 16, 131	20
2021	Patients With Epileptic Seizures and Multiple Sclerosis in a Multiple Sclerosis Center in Southern Germany Between 2003-2015. 2019 , 10, 613	10

Hair cortisol concentration, cognitive, behavioral, and motor impairment in multiple sclerosis. 2019 , 126, 1145-1154	4
Neuronal damage and neuroinflammation markers in patients with autoimmune encephalitis and multiple sclerosis. 2019 , 34, 1473-1485	12
2018 Does CSF pleocytosis have a predictive value for disease course in MS?. 2019 , 6, e584	9
Aquaporin-4 and MOG autoantibody discovery in idiopathic transverse myelitis epidemiology. 2019 , 93, e414-e420	14
2016 Recessive Charcot-Marie-Tooth and multiple sclerosis associated with a variant in. 2019 , 1, fcz011	1
2015 Paediatric acquired demyelinating syndromes. 2019 , 29, 468-475	1
Sexual Dysfunction in Patients with Multiple Sclerosis from Argentina: What are the Differences Between Women and Men?. 2019 , 37, 521-539	5
Granger causality analysis in combination with directed network measures for classification of MS patients and healthy controls using task-related fMRI. 2019 , 115, 103495	16
Metronidazole induced encephalopathy: case report and discussion on the differential diagnoses, in particular, Wernicke's encephalopathy. 2019 , 13, 1-7	O
Therapeutic Apheresis in Acute Relapsing Multiple Sclerosis: Current Evidence and Unmet Needs-A Systematic Review. 2019 , 8,	11
Transcranial Magnetic Stimulation as a Potential Biomarker in Multiple Sclerosis: A Systematic Review with Recommendations for Future Research. 2019 , 2019, 6430596	13
Therapeutic Plasma Exchange in Multiple Sclerosis and Autoimmune Encephalitis: a Comparative Study of Indication, Efficacy and Safety. 2019 , 9,	7
Are oligoclonal bands associated to lower retinal layer thickness at the time of relapsing remitting multiple sclerosis diagnosis? Evidence from an exploratory study. 2019 , 18, 102365	
Association of cerebrospinal fluid kappa free light chains with the intrathecal polyspecific antiviral immune response in multiple sclerosis. 2019 , 498, 148-153	4
Combined Cerebrospinal Fluid Neurofilament Light Chain Protein and Chitinase-3 Like-1 Levels in Defining Disease Course and Prognosis in Multiple Sclerosis. 2019 , 10, 1008	28
Reduced serum immunoglobulin G concentrations in multiple sclerosis: prevalence and association with disease-modifying therapy and disease course. 2019 , 12, 1756286419878340	18
2004 Ocrelizumab: A New Generation of anti-CD20 mAb for Treatment of Multiple Sclerosis. 2019 , 169-19	9
2003 Evozierte Potenziale. 2019 , 50, 149-155	

2002 Prevalence of multiple sclerosis in Cuenca, Ecuador. 2019, 5, 2055217319884952

2001	Diagnostic ability of multifocal electroretinogram in early multiple sclerosis using a new signal analysis method. 2019 , 14, e0224500	5
2000	An asymptomatic new lesion on MRI is a relapse and should be treated accordingly - No. 2019 , 25, 1843-1845	2
1999	An asymptomatic new lesion on MRI is a relapse and should be treated accordingly - Commentary. 2019 , 25, 1845-1847	2
1998	Immunomodulatory receptors are differentially expressed in B and T cell subsets relevant to autoimmune disease. 2019 , 209, 108276	10
1997	Spinal cord syndromes in patients with systemic lupus erythematosus: differentiating lupus myelitis, neuromyelitis optica, and multiple sclerosis. 2019 , 28, 1656-1662	7
1996	The correlation between dyslipidemia and cognitive impairment in multiple sclerosis patients. 2019 , 36, 101415	14
1995	Ocrelizumab for multiple sclerosis. 2019,	1
1994	Patient education for fatigue in people with multiple sclerosis. 2019,	78
1993	Transcranial direct current stimulation (tDCS) for improving fatigue, motor function, and pain in people with multiple sclerosis. 2019 ,	1
1992	Brain lesion distribution criteria distinguish demyelinating diseases in China. 2019 , 6, 2048-2053	8
1991	Progressive dopaminergic defect in a patient with primary progressive multiple sclerosis. 2019 , 36, 101385	2
1990	Inter-leg Distance Measurement as a Tool for Accurate Step Counting in Patients with Multiple Sclerosis. 2019 , 2019, 6413-6417	2
1989	Complete horizontal gaze palsy due to bilateral paramedian pontine reticular formation involvement as a presentation of multiple sclerosis: a case report. 2019 , 19, 254	1
1988	Frontispiece: Recent Contributions to the Coordination Chemistry of Beryllium. 2019, 25,	
1987	Modification of CSF findings in multiple sclerosis in the era of rapidly expanding treatment options. 2019 , 19, 277-283	0
1986	Instead of tweaking the diagnostic criteria for MS in those with CIS, we should develop diagnostic criteria that distinguish MS from other conditions - Yes. 2019 , 25, 766-768	4
1985	Framing multiple sclerosis under a polysomnographic perspective. 2020 , 43,	6

1984	Effect of omega-3 fatty acids and fish oil supplementation on multiple sclerosis: a systematic review. 2021 , 24, 569-579	20
1983	Human immunodeficiency virus and multiple sclerosis: a review of the literature. 2019 , 1, 24	2
1982	Localised grey matter atrophy in multiple sclerosis is network-based: a coordinate-based meta-analysis. 2019 , 74, 816.e19-816.e28	8
1981	GDF-15, a mitochondrial disease biomarker, is associated with the severity of multiple sclerosis. 2019 , 405, 116429	9
1980	Characterization of the human myelin oligodendrocyte glycoprotein antibody response in demyelination. 2019 , 7, 145	38
1979	The spectrum of immune-mediated and inflammatory lesions of the brainstem: Clues to diagnosis. 2019 , 93, 390-405	13
1978	The accuracy of flow cytometric cell-based assay to detect anti-myelin oligodendrocyte glycoprotein (MOG) antibodies determining the optimal method for positivity judgement. 2019 , 336, 577021	11
1977	Spinal cord lesions are frequently asymptomatic in relapsing-remitting multiple sclerosis: a retrospective MRI survey. 2019 , 266, 3031-3037	9
1976	Long-term use of interferon-lin multiple sclerosis increases VIIVIVI IT cells that are associated with a better outcome. 2019 , 16, 179	3
1975	MRI features associated with high likelihood of conversion of radiologically isolated syndrome to multiple sclerosis. 2019 , 36, 101381	5
1974	Longitudinal analysis of white matter and cortical lesions in multiple sclerosis. 2019 , 23, 101938	8
1973	Validation of multiple sclerosis diagnoses in the Swedish National Patient Register. 2019 , 34, 1161-1169	11
1972	Atrophied Brain T2 Lesion Volume at MRI Is Associated with Disability Progression and Conversion to Secondary Progressive Multiple Sclerosis. 2019 , 293, 424-433	18
1971	Evaluating the efficacy and safety of Zytux (Rituximab, AryoGen pharmed) in Iranian multiple sclerosis patients: An observational study. 2019 , 36, 101419	7
1970	The Neutrophil-to-Lymphocyte Ratio is Related to Disease Activity in Relapsing Remitting Multiple Sclerosis. 2019 , 8,	18
1969	The Role of Bioactive Lipids in Cancer, Inflammation and Related Diseases. 2019 ,	3
1968	Newer Treatment Approaches in Pediatric-Onset Multiple Sclerosis. 2019 , 21, 50	11
1967	The natalizumab wearing-off effect: End of natalizumab cycle, recurrence of MS symptoms. 2019 , 93, e1579-e1586	8

1966	Multiple sclerosis associated with pembrolizumab in a patient with non-small cell lung cancer. 2019 , 266, 3163-3166	1
1965	Diagnostic Approach to Intrinsic Abnormality of Spinal Cord Signal Intensity. 2019 , 39, 1824-1839	5
1964	Diagnostic Delay of Multiple Sclerosis in a Portuguese Population. 2019 , 32, 289-294	9
1963	Homocysteine, vitamin B12, and folate levels in patients with multiple sclerosis in Chinese population: A case-control study and meta-analysis. 2019 , 36, 101395	10
1962	Uncovering convolutional neural network decisions for diagnosing multiple sclerosis on conventional MRI using layer-wise relevance propagation. 2019 , 24, 102003	45
1961	Jacqueline du Pr'and her alternative diagnosis. 2019 , 133, 109401	
1960	Global, regional, and national burden of multiple sclerosis 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016. <i>Lancet Neurology, The</i> , 2019 , 18, 269-285	407
1959	Sleep-related disorders and their relationship with MRI findings in multiple sclerosis. 2019 , 56, 90-97	25
1958	High performance of cerebrospinal fluid immunoglobulin G analysis for diagnosis of multiple sclerosis. 2019 , 266, 902-909	
1957	The Diversity of Encephalitogenic CD4+ T Cells in Multiple Sclerosis and Its Animal Models. 2019 , 8,	25
1956	Optical coherence tomography for diagnosing optic neuritis: Are we there yet?. 2019 , 92, 253-254	13
1955	Optical coherence tomography is highly sensitive in detecting prior optic neuritis. 2019 , 92, e527-e535	37
1954	Predictors of Evolution Into Multiple Sclerosis After a First Acute Demyelinating Syndrome in Children and Adolescents. 2018 , 9, 1156	8
1953	Evidence for a white matter lesion size threshold to support the diagnosis of relapsing remitting multiple sclerosis. 2019 , 29, 124-129	2
1952	Spinal cord involvement in multiple sclerosis and neuromyelitis optica spectrum disorders. <i>Lancet Neurology, The</i> , 2019 , 18, 185-197	74
1951	2017 McDonald criteria for multiple sclerosis: Earlier diagnosis with reduced specificity?. 2019 , 29, 23-25	17
1950	Long-term outcomes with teriflunomide in patients with clinically isolated syndrome: Results of the TOPIC extension study. 2019 , 33, 131-138	12
1949	Caesarean section and infant formula feeding are associated with an earlier age of onset of multiple sclerosis. 2019 , 33, 75-77	8

(2019-2019)

Cerebrospinal fluid neurofilament light chain in multiple scl of case-control studies. 2019 , 90, 1059-1067	erosis and its subtypes: a meta-analysis 27
Neurofilament levels in patients with neurological diseases and heavy chain levels. 2019 , 33, e22948	: A comparison of neurofilament light
Follow-up MRI in multiple sclerosis patients: automated co- improves diagnostic accuracy and reduces reading time. 20 °	
Incidence of pediatric neuromyelitis optica spectrum disord 1945 glycoprotein antibody-associated disease in Denmark 2008- cohort study. 2019 , 33, 162-167	
1944 Cognitive but Not Affective Theory of Mind Deficits in Prog	ressive MS. 2019 , 25, 896-900 2
For Massachusetts Eye and Ear Special Issue: Updates on Th Ophthalmologist. 2019 , 34, 270-278	erapies for Multiple Sclerosis for the
Assessment of lesions on magnetic resonance imaging in m 2019 , 142, 1858-1875	ultiple sclerosis: practical guidelines.
CD28 Autonomous Signaling Up-Regulates C-Myc Expressio Inflammatory T Cell Responses in Multiple Sclerosis. 2019 , 8	
1940 Critical review: Typical and atypical optic neuritis. 2019 , 64,	770-779 33
1939 White matter plasticity and maturation in human cognition.	2019 , 67, 2020-2037 16
1939 White matter plasticity and maturation in human cognition. A Review of Available Treatments, Clinical Evidence, and Gu Pediatric Multiple Sclerosis in the United States. 2019 , 34, 6	idelines for Diagnosis and Treatment of
A Review of Available Treatments, Clinical Evidence, and Gu	nidelines for Diagnosis and Treatment of 12-620 3
A Review of Available Treatments, Clinical Evidence, and Gu Pediatric Multiple Sclerosis in the United States. 2019 , 34, 6	posis: a prospective multi-center study in
A Review of Available Treatments, Clinical Evidence, and Gu Pediatric Multiple Sclerosis in the United States. 2019 , 34, 6 Conversion of clinically isolated syndrome to multiple sclero Eastern India. 2019 , 5, 2055217319849721	posis: a prospective multi-center study in 2 -analysis. 2019, 19, 139 20
A Review of Available Treatments, Clinical Evidence, and Gu Pediatric Multiple Sclerosis in the United States. 2019 , 34, 6 Conversion of clinically isolated syndrome to multiple sclero Eastern India. 2019 , 5, 2055217319849721 Multiple sclerosis and stroke: a systematic review and metal	posis: a prospective multi-center study in 2 -analysis. 2019, 19, 139 20 oligoclonal IgG bands in South China. 8
A Review of Available Treatments, Clinical Evidence, and Gu Pediatric Multiple Sclerosis in the United States. 2019 , 34, 6 1937 Conversion of clinically isolated syndrome to multiple sclero Eastern India. 2019 , 5, 2055217319849721 1936 Multiple sclerosis and stroke: a systematic review and metal 1935 Comparison of multiple sclerosis patients with and without 2019, 66, 51-55	posis: a prospective multi-center study in 2 -analysis. 2019, 19, 139 20 oligoclonal IgG bands in South China. 8 sple Sclerosis Patients. 2019, 10, 1110 8
A Review of Available Treatments, Clinical Evidence, and Gu Pediatric Multiple Sclerosis in the United States. 2019 , 34, 6 Conversion of clinically isolated syndrome to multiple sclero Eastern India. 2019 , 5, 2055217319849721 Multiple sclerosis and stroke: a systematic review and metal Comparison of multiple sclerosis patients with and without 2019 , 66, 51-55 Investigation of Oligoclonal IgG Bands in Tear Fluid of Multiple Sclerosis Patients With School Schoo	posis: a prospective multi-center study in 2 -analysis. 2019, 19, 139 20 oligoclonal IgG bands in South China. 8 iple Sclerosis Patients. 2019, 10, 1110 8

1930 Clinical Cases in Neurology. 2019,

1929	Women who contributed to past research in multiple sclerosis. 2019 , 25, 1440-1443	O
1928	Structural and functional MRI correlates of T2 hyperintensities of brain white matter in young neurologically asymptomatic adults. 2019 , 29, 7027-7036	5
1927	MOG antibody-associated demyelinating disease mimicking typical multiple sclerosis: A case for expanding anti-MOG testing?. 2019 , 33, 67-69	10
1926	Valuation de lihtft de la ponction lombaire dans le cadre du bilan tiologique des uvîtes : ^ propos de 197 patients. 2019 , 40, A49	
1925	Improving Outcomes in Pediatric Multiple Sclerosis: Current and Emerging Treatments. 2019 , 21, 137-152	3
1924	Visual but not verbal working memory interferes with balance in patients after optic neuritis suggestive of multiple sclerosis. 2019 , 707, 134288	1
1923	Type 2 Inflammatory Responses in Autoimmune Demyelination of the Central Nervous System: Recent Advances. 2019 , 2019, 4204512	4
1922	The potential of visual physiology: An instrument with a place in MS translation. 2019 , 4, 112-113	О
1921	Multiple sclerosis and sarcoidosis: A case for coexistence. 2019 , 9, 218-227	5
1920	Serum-based differentiation between multiple sclerosis and amyotrophic lateral sclerosis by Random Forest classification of FTIR spectra. 2019 , 144, 4647-4652	10
1919	Clinical Features of Diffuse Leptomeningeal Glioneuronal Tumor with Rapid Blindness Misdiagnosed as NMOSD and Literature Review. 2019 , 1, 434-441	1
1918	Adherence to Clinical Trial Supported Evaluation of Optic Neuritis. 2019 , 26, 321-328	2
1917	Gut dysbiosis and lack of short chain fatty acids in a Chinese cohort of patients with multiple sclerosis. 2019 , 129, 104468	52
1916	Distinct serum and cerebrospinal fluid cytokine and chemokine profiles in autoantibody-associated demyelinating diseases. 2019 , 5, 2055217319848463	5
1915	The Argentinean multiple sclerosis registry (RelevarEM): Methodological aspects and directions. 2019 , 32, 133-137	16
1914	Spatial Characterisation of Fibre Response Functions for Spherical Deconvolution in Multiple Sclerosis. 2019 , 265-279	
1913	Three-dimensional MRI sequences in MS diagnosis and research. 2019 , 25, 1700-1709	3

Swept source optical coherence tomography to early detect multiple sclerosis disease. The use of machine learning techniques. 2019 , 14, e0216410	19
1911 Myelin in the Central Nervous System: Structure, Function, and Pathology. 2019 , 99, 1381-1431	125
Cognitive Impairment in Multiple Sclerosis Is Reflected by Increased Susceptibility to the Sound-Induced Flash Illusion. 2019 , 10, 373	3
Oligoclonal bands do not represent dissemination in time in the 2017 revisions to the McDonald criteria. 2019 , 25, 1690-1691	5
1908 The electrophysiological assessment of visual function in Multiple Sclerosis. 2019 , 4, 90-96	14
1907 Natalizumab induced cutaneous sarcoidosis-like reaction. 2019 , 333, 476955	4
1906 Persistence of intrathecal oligoclonal B cells and IgG in multiple sclerosis. 2019 , 333, 576966	8
Automated segmentation of changes in FLAIR-hyperintense white matter lesions in multiple sclerosis on serial magnetic resonance imaging. 2019 , 23, 101849	25
1904 Clinical trials in multiple sclerosis: potential future trial designs. 2019 , 12, 1756286419847095	6
Primary progressive multiple sclerosis to be treated with ocrelizumab: a mistaken case of cobalamin deficiency. 2019 , 12,	1
Immune Cell Profiling of the Cerebrospinal Fluid Provides Pathogenetic Insights Into Inflammatory Neuropathies. 2019 , 10, 515	16
1901 Familial multiple sclerosis patients have a shorter delay in diagnosis than sporadic cases. 2019 , 32, 97-10)2 8
1900 Implementing the 2017 McDonald criteria for the diagnosis of multiple sclerosis. 2019 , 15, 441-445	12
1899 Glial cells as therapeutic targets in progressive multiple sclerosis. 2019 , 19, 481-494	7
$_{1898}$ Molecular imaging of multiple sclerosis: from the clinical demand to novel radiotracers. 2019 , 4, 6	18
1897 Magnetic resonance imaging in myelopathy: a pictorial review. 2019 , 57, 56-68	6
Callosal lesions on magnetic resonance imaging with multiple sclerosis, neuromyelitis optica spectrum disorder and acute disseminated encephalomyelitis. 2019 , 32, 41-45	9
K Index is a Reliable Marker of Intrathecal Synthesis, and an Alternative to IgG Index in Multiple Sclerosis Diagnostic Work-Up. 2019 , 8,	17

1894	Epidemiology and treatment of multiple sclerosis in elderly populations. 2019 , 15, 329-342	99
1893	The Central Vein Sign in Radiologically Isolated Syndrome. 2019 , 40, 776-783	19
1892	A SCA7 premutation may be a novel Mendelian modifier of MS course: A case report. 2019 , 31, 148-150	
1891	The relationship between cognitive function and body mass index in multiple sclerosis patients. 2019 , 32, 37-40	12
1890	Differential diagnosis of multiple sclerosis: The better explanations in clinical practice. 2019 , 92, 1037-1038	2
1889	"Better explanations" in multiple sclerosis diagnostic workup: A 3-year longitudinal study. 2019 , 92, e2527-e2	537
1888	Computational Diffusion MRI. 2019,	1
1887	Clinical trials of disease-modifying agents in pediatric MS: Opportunities, challenges, and recommendations from the IPMSSG. 2019 , 92, e2538-e2549	38
1886	Advances in spinal cord imaging in multiple sclerosis. 2019 , 12, 1756286419840593	38
1885	Association of Intrathecal Immunoglobulin G Synthesis With Disability Worsening in Multiple Sclerosis. 2019 , 76, 841-849	28
1884	A cell type-specific transcriptomic approach to map B cell and monocyte type I interferon-linked pathogenic signatures in Multiple Sclerosis. 2019 , 101, 1-16	10
1883	The prevalence of multiple sclerosis continues to increase in Kuwait. 2019 , 32, 74-76	11
1882	Standardization of T1w/T2w Ratio Improves Detection of Tissue Damage in Multiple Sclerosis. 2019 , 10, 334	13
1881	Novel Multiple Sclerosis Drugs in the Pipeline. 2019 , 105, 1082-1090	1
1880	The clinical significance of single or double bands in cerebrospinal fluid isoelectric focusing. A retrospective study and systematic review. 2019 , 14, e0215410	12
1879	CSF Free Light Chains as a Marker of Intrathecal Immunoglobulin Synthesis in Multiple Sclerosis: A Blood-CSF Barrier Related Evaluation in a Large Cohort. 2019 , 10, 641	23
1878	The Cerebrospinal Fluid in Multiple Sclerosis. 2019 , 10, 726	45
1877	Case report of recalcitrant allergic contact eczema successfully treated with teriflunomide. 2019 , 32, e12947	

1876	Multiple Sclerosis Misdiagnosis: A Persistent Problem to Solve. 2019 , 10, 466	11
1875	Pediatric Multiple Sclerosis: A Review. 2019 , 66, 209-229	7
1874	CSI: Multiple sclerosis. Tracing optic nerve involvement by standardized optical coherence tomography. 2019 , 85, 615-617	2
1873	Diagnostic Value of Oligoclonal Bands in Children: A Nationwide Population-Based Cohort Study. 2019 , 97, 56-63	5
1872	Established and Emerging Immunological Complications of Biological Therapeutics in Multiple Sclerosis. 2019 , 42, 941-956	8
1871	Fingolimod Alters Tissue Distribution and Cytokine Production of Human and Murine Innate Lymphoid Cells. 2019 , 10, 217	17
1870	Time Is Brain and Spine. 2019 , 76, 623	
1869	Evolution of clinical trials in multiple sclerosis. 2019 , 12, 1756286419826547	27
1868	Optical coherence tomography: a window to the optic nerve in clinically isolated syndrome. 2019 , 142, 903-915	17
1867	Gadolinium-Enhanced Susceptibility-Weighted Imaging in Multiple Sclerosis: Optimizing the Recognition of Active Plaques for Different MR Imaging Sequences. 2019 , 40, 614-619	10
1866	MSJ 2019 - Editorial comment. 2019 , 25, 4-5	
1865	Myelinoclastic diffuse sclerosis (Schilder's disease) is immunologically distinct from multiple sclerosis: results from retrospective analysis of 92 lumbar punctures. 2019 , 16, 51	11
1864	Oligoclonal bands increase the specificity of MRI criteria to predict multiple sclerosis in children with radiologically isolated syndrome. 2019 , 5, 2055217319836664	15
1863	Optimal intereye difference thresholds by optical coherence tomography in multiple sclerosis: An international study. 2019 , 85, 618-629	51
1862	How much do periventricular lesions assist in distinguishing migraine with aura from CIS?. 2019 , 92, e1739-e17	7484
1861	A Woman in Her 40s With Transient Neurological Symptoms, Migraine Headaches, and Hearing Loss. 2019 , 76, 504-505	
1860	Accuracy of Unenhanced MRI in the Detection of New Brain Lesions in Multiple Sclerosis. 2019 , 291, 429-435	24
1859	Predictors for Therapy Response to Intrathecal Corticosteroid Therapy in Multiple Sclerosis. 2019 , 10, 132	1

1858 Time Is Brain and Spine-Reply. **2019**, 76, 623-624

1857	Cerebrospinal fluid biomarkers for predicting development of multiple sclerosis in acute optic neuritis: a population-based prospective cohort study. 2019 , 16, 59	17
1856	The role of vitamin D and P2X7R in multiple sclerosis. 2019 , 330, 159-169	4
1855	Magnetic resonance imaging diagnosis of demyelinating diseases: An update. 2019 , 10, 32-48	5
1854	Bowel symptoms predate the diagnosis among many patients with multiple sclerosis: A 14-year cohort study. 2019 , 31, e13592	6
1853	Cortical Lesions on 7-T MRI in Multiple Sclerosis: A Window into Pathogenetic Mechanisms?. 2019 , 291, 750-751	2
1852	Glial Activation Markers in CSF and Serum From Patients With Primary Progressive Multiple Sclerosis: Potential of Serum GFAP as Disease Severity Marker?. 2019 , 10, 280	41
1851	Illuminating an Invisible Epidemic: A Systemic Review of the Clinical and Economic Benefits of Early Diagnosis and Treatment in Inflammatory Disease and Related Syndromes. 2019 , 8,	4
1850	Impact of the McDonald Criteria 2017 on Early Diagnosis of Relapsing-Remitting Multiple Sclerosis. 2019 , 10, 188	25
1849	Characterization of gray-matter multiple sclerosis lesions using double inversion recovery, diffusion, contrast-enhanced, and volumetric MRI. 2019 , 31, 74-81	3
1848	White matter lesion loads associated with dynamic functional connectivity within attention network in patients with relapsing-remitting multiple sclerosis. 2019 , 65, 59-65	13
1847	Myalgic encephalomyelitis and chronic fatigue syndrome case definitions: effects of requiring a substantial reduction in functioning. 2019 , 7, 59-68	1
1846	Paediatric multiple sclerosis: a new era in diagnosis and treatment. 2019 , 61, 1039-1049	8
1845	Prediction of conversion to multiple sclerosis using the 2017 McDonald and 2016 MAGNIMS criteria in patients with clinically isolated syndrome: a retrospective single-centre study. 2019 , 12, 1756286419835652	2 ²
1844	Acute effects of aerobic intensities on the cytokine response in women with mild multiple sclerosis. 2019 , 31, 82-86	3
1843	Reaching an evidence-based prognosis for personalized treatment of multiple sclerosis. 2019 , 15, 287-300	79
1842	Are children with multiple sclerosis really "old" adults. 2019 , 25, 888-890	
1841	A computer-aided diagnosis of multiple sclerosis based on mfVEP recordings. 2019 , 14, e0214662	4

1840 Demyelinating Diseases. **2019**, 25-34

1839	Diagnostic utility of kappa free light chains in multiple sclerosis. 2019 , 19, 277-279	6
1838	[Milestone or missed opportunity? : Commentary on the revision of the McDonald criteria 2017]. 2019 , 90, 183-184	
1837	Misdiagnoses and delay of diagnoses in Moyamoya angiopathy-a large Caucasian case series. 2019 , 266, 1153-1159	18
1836	Kappa free light chains could predict early disease course in multiple sclerosis. 2019 , 30, 81-84	17
1835	Neurofilament light chain: An important step toward a disease biomarker in multiple sclerosis. 2019 , 92, 451-452	9
1834	Radiomics in multiple sclerosis and neuromyelitis optica spectrum disorder. 2019 , 29, 4670-4677	17
1833	Iatrogenic CNS demyelination in the era of modern biologics. 2019 , 25, 1079-1085	20
1832	Incidence of multiple sclerosis misdiagnosis in referrals to two academic centers. 2019 , 30, 51-56	42
1831	The features of cerebral permeability and perfusion detected by dynamic contrast-enhanced magnetic resonance imaging with Patlak model in relapsing-remitting multiple sclerosis. 2019 , 15, 233-240	6
1830	Emotions towards magnetic resonance imaging in people with multiple sclerosis. 2019 , 139, 497-504	4
1829	Tablet App Based Dexterity Training in Multiple Sclerosis (TAD-MS): Research Protocol of a Randomized Controlled Trial. 2019 , 10, 61	5
1828	Enduring Clinical Value of Copaxone (Glatiramer Acetate) in Multiple Sclerosis after 20 Years of Use. 2019 , 2019, 7151685	7
1827	Serum neurofilaments increase at progressive multifocal leukoencephalopathy onset in natalizumab-treated multiple sclerosis patients. 2019 , 85, 606-610	23
1826	Early adaptive immune activation detected in monozygotic twins with prodromal multiple sclerosis. 2019 , 129, 4758-4768	43
1825	Tolerogenic dendritic cell-based treatment for multiple sclerosis (MS): a harmonised study protocol for two phase I clinical trials comparing intradermal and intranodal cell administration. 2019 , 9, e030309	35
1824	Earnings among people with multiple sclerosis compared to references, in total and by educational level and type of occupation: a population-based cohort study at different points in time. 2019 , 9, e024836	10
1823	Identifying people with multiple sclerosis in the Canadian Primary Care Sentinel Surveillance Network. 2019 , 5, 2055217319894360	1

1822	Evaluating the relationship between psychometric intelligence and cognitive functions in paediatric multiple sclerosis. 2019 , 5, 2055217319894365	4
1821	The Influence of Contrast-to-Noise Ratio on the Discrimination Between Cortical and Juxtacortical Lesions in Multiple Sclerosis. 2019 , 43, 958-962	2
1820	Follow up of the Multiple Sclerosis Lesion's Evolution in Brain MRI by Automated Registration Approach. 2019 ,	1
1819	Joven de 25 a ô s con alteracifi de la marcha. 2019 , 12, 4649-4649.e8	
1818	Multiple Sklerose 2019 LUpdate zu Diagnostik und Therapie. 2019 , 11, 149-154	1
1817	Understanding Childhood Neuroimmune Diseases of the Central Nervous System. 2019 , 7, 511	15
1816	Intrathecal B-cell accumulation and axonal damage distinguish MRI-based benign from aggressive onset in MS. 2019 , 6,	9
1815	German translation, cultural adaption and validation of the unidimensional self-efficacy scale for multiple sclerosis: a study protocol. 2019 , 9, e029565	1
1814	Diagnostic value of alternative techniques to gadolinium-based contrast agents in MR neuroimaging-a comprehensive overview. 2019 , 10, 84	19
1813	Dimethyl fumarate decreases neurofilament light chain in CSF and blood of treatment nafle relapsing MS patients. 2019 , 90, 1324-1330	44
1812	Diagnosis of Multiple Sclerosis. 2019 ,	
1811	Percutaneous transluminal angioplasty for treatment of chronic cerebrospinal venous insufficiency (CCSVI) in people with multiple sclerosis. 2019 , 5, CD009903	5
1810	A Framework for Estimating the Burden of Chronic Diseases: Design and Application in the Context of Multiple Sclerosis. 2019 , 10, 953	8
1809	Palliative care interventions for people with multiple sclerosis. 2019 , 10, CD012936	3
1808	Visual Outcomes of Plasma Exchange Treatment of Steroid-Refractory Optic Neuritis: A Retrospective Monocentric Analysis. 2019 , 46, 417-422	4
1807	Relevance of cerebrospinal fluid findings in patients with multiple sclerosis and seizures. 2019 , 406, 116482	
1806	Reasons to switch: a noninterventional study evaluating immunotherapy switches in a large German multicentre cohort of patients with relapsing-remitting multiple sclerosis. 2019 , 12, 17562864198920	o 17
1805	Actualisation des aspects cliniques et des critfes diagnostiques de la sclfose en plaques. 2019 , 10, 118-125	

1804	Multiple Sclerosis in the Emirati Population: Onset Disease Characterization by MR Imaging. 2019 , 2019, 7460213	1
1803	Free Light Chains as a Novel Diagnostic Biomarker of Immune System Abnormalities in Multiple Sclerosis and HIV Infection. 2019 , 2019, 8382132	3
1802	Biological characteristics of transcription factor RelB in different immune cell types: implications for the treatment of multiple sclerosis. 2019 , 12, 115	7
1801	Long segment 3D double inversion recovery (DIR) hypersignal on MRI in glaucomatous optic neuropathy. 2019 , 19, 258	1
1800	Myelin. 2019 ,	1
1799	Cranial Nerve Enhancement in Multiple Sclerosis Is Associated With Younger Age at Onset and More Severe Disease. 2019 , 10, 1085	2
1798	Unilateral motor progression in MS: Association with a critical corticospinal tract lesion. 2019 , 93, e628-e634	10
1797	Atypical Pediatric Demyelinating Diseases of the Central Nervous System. 2019 , 19, 95	9
1796	[Multiple Sclerosis: Neurorehabilitation and Symptomatic Treatment]. 2019 , 58, 339-350	1
1795	Functional Magnetic Resonance Imaging Correlations Between Fatigue and Cognitive Performance in Patients With Relapsing Remitting Multiple Sclerosis. 2019 , 10, 754	3
1794	Multiple Sclerosis. 2019 , 1190, 217-247	10
1793	Visualization of Myelin for the Diagnosis and Treatment Monitoring of Multiple Sclerosis. 2019 , 1190, 249-256	1
1792	Automated Detection and Segmentation of Multiple Sclerosis Lesions Using Ultra-High-Field MP2RAGE. 2019 , 54, 356-364	24
1791	Real-World Effectiveness and Safety of Fingolimod in Patients With Relapsing Remitting Multiple Sclerosis: A Prospective Analysis in Buenos Aires, Argentina. 2019 , 42, 163-166	3
1790	Literature Commentary: Take Two!. 2019 , 39, 279-285	
1789	Amide Proton Transfer Weighted Imaging Shows Differences in Multiple Sclerosis Lesions and White Matter Hyperintensities of Presumed Vascular Origin. 2019 , 10, 1307	7
1788	Encefalomielitis aguda diseminada. Leucoencefalitis aguda hemorrĝica. Otras enfermedades desmielinizantes. 2019 , 12, 4606-4615	1
1787	The (Un)Resolved Case: Blurry vision, left foot drop and brain cysts. 2019 , 3, 2514183X1986609	

1786	The history of neuromyelitis optica. Part 2: 'Spinal amaurosis', or how it all began. 2019 , 16, 280	12
1785	Molecular biomarkers in multiple sclerosis. 2019 , 16, 272	75
1784	Association of polymorphism and multiple sclerosis in Malaysia: a pilot study. 2019 , 10, 13	0
1783	Zeitgem ë MS-Therapie. 2019 , 20, 20-28	
1782	Multiple sclerosis. 2019 , 267-289	1
1781	Clinical and radiologic approach to 'typical' versus antibody-related optic neuritis. 2019, 30, 412-417	6
1780	. 2019,	
1779	The Effects of Concurrent Resistance and Aerobic Exercise Training on Functional Status in Patients with Multiple Sclerosis. 2019 , 18, 452-457	19
1778	Retinal correlates of neurological disorders. 2019 , 10, 2040622319882205	22
1777	Computer-Aided Diagnosis of Multiple Sclerosis Using a Support Vector Machine and Optical Coherence Tomography Features. 2019 , 19,	15
1776	Acceleration of Double Inversion Recovery Sequences in Multiple Sclerosis With Compressed Sensing. 2019 , 54, 319-324	23
1775	Biopsychosocial model of resilience in young adults with multiple sclerosis (BPS-ARMS): an observational study protocol exploring psychological reactions early after diagnosis. 2019 , 9, e030469	6
1774	Update on pediatric optic neuritis. 2019 , 30, 418-425	11
1773	Diagnosis of multiple sclerosis: revisions of the McDonald criteria 2017 - continuity and change. 2019 , 32, 327-337	17
1772	Detecting neurodegenerative pathology in multiple sclerosis before irreversible brain tissue loss sets in. 2019 , 8, 37	11
1771	Autologous haematopoietic stem cell therapy for multiple sclerosis: a review for supportive care clinicians on behalf of the Autoimmune Diseases Working Party of the European Society for Blood and Marrow Transplantation. 2019 , 13, 394-401	5
1770	Protocolo diagnEtico del paciente con sospecha de enfermedad desmielinizante. 2019 , 12, 4634-4638	
1769	Entropy of human leukocyte antigen and killer-cell immunoglobulin-like receptor systems in immune-mediated disorders: A pilot study on multiple sclerosis. 2019 , 14, e0226615	4

1768	Imaging of meningeal inflammation should become part of the routine MRI protocol - Yes. 2019 , 25, 330-331	2
1767	X linked Charcot-Marie-Tooth disease and multiple sclerosis: emerging evidence for an association. 2019 , 90, 187-194	7
1766	Multiple sclerosis with atypical MRI presentation: Results of a nationwide multicenter study in 57 consecutive cases. 2019 , 28, 109-116	4
1765	Exploring the relationship between Endothelin-1 and peripheral inflammation in multiple sclerosis. 2019 , 326, 45-48	6
1764	Myelin oligodendrocyte glycoprotein antibodies in neurological disease. 2019 , 15, 89-102	231
1763	Novel uses of retinal imaging with optical coherence tomography in multiple sclerosis. 2019 , 19, 31-43	32
1762	Neurological update: MOG antibody´disease. 2019 , 266, 1280-1286	95
1761	The combined effect of IL-17F and CCL20 gene polymorphism in susceptibility to multiple sclerosis in Egypt. 2019 , 685, 164-169	6
1760	Multiple Sclerosis Incidence and Prevalence Trends in the Province of Padua, Northeast Italy, 1965-2018. 2019 , 52, 41-46	11
1759	The Neurologic Diagnosis. 2019 ,	3
1758	Asymmetry of Brain Excitability: A New Biomarker that Predicts Objective and Subjective Symptoms in Multiple Sclerosis. 2019 , 359, 281-291	21
1757	Effect of glatiramer acetate on cerebral grey matter pathology in patients with relapsing-remitting multiple sclerosis. 2019 , 27, 305-311	4
1756	Detecting optic nerve lesions in clinically isolated syndrome and multiple sclerosis: double-inversion recovery magnetic resonance imaging in comparison with visually evoked potentials. 2019 , 266, 148-156	11
1755	Multivariate prediction of multiple sclerosis using robust quantitative MR-based image metrics. 2019 , 29, 262-271	5
1754	Validation and meta-analysis of kappa index biomarker in multiple sclerosis diagnosis. 2019 , 18, 43-49	14
1753	The Italian multiple sclerosis register. 2019 , 40, 155-165	42
1752	Exploring cannabis use by patients with multiple sclerosis in a state where cannabis is legal. 2019 , 27, 383-390	10
1751	Real-world validation of the 2017 McDonald criteria for pediatric MS. 2019 , 6, e528	23

1750	Multiple sclerosis - the remarkable story of a baffling disease. 2019 , 30, 511-526	4
1749	Association between pathological and MRI findings in multiple sclerosis. <i>Lancet Neurology, The</i> , 24.1	86
1748	Brain and cord imaging features in neuromyelitis optica spectrum disorders. 2019 , 85, 371-384	42
1747	Mills' syndrome revisited. 2019 , 266, 667-679	8
1746	Autonomic symptom burden can predict disease activity in early multiple sclerosis. 2019 , 28, 250-255	14
1745	Instead of tweaking the diagnostic criteria for MS in those with CIS, we should develop diagnostic criteria that distinguish MS from other conditions - No. 2019 , 25, 768-770	2
1744	Instead of tweaking the diagnostic criteria for MS in those with CIS, we should develop diagnostic criteria that distinguish MS from other conditions - Commentary. 2019 , 25, 770-771	1
1743	Prognostic value of serum neurofilaments in patients with clinically isolated syndromes. 2019 , 92, e733-e741	30
1742	Can We Design a Nogo Receptor-Dependent Cellular Therapy to Target MS?. 2018 , 8,	89
1741	Clinical 7 T MRI: Are we there yet? A review about magnetic resonance imaging at ultra-high field. 2019 , 92, 20180492	32
1740	Coexistence of Multiple Sclerosis and Alzheimer's disease: A review. 2019 , 27, 232-238	15
1739	Clinical spectrum of inflammatory central nervous system demyelinating disorders associated with antibodies against myelin oligodendrocyte glycoprotein. 2019 , 130, 104319	14
1738	Diagnostic value of the 2017 McDonald criteria in patients with a first demyelinating event suggestive of relapsing-remitting multiple sclerosis. 2019 , 26, 540-545	24
1737	International consensus on quality standards for brain health-focused care in multiple sclerosis. 2019 , 25, 1809-1818	31
1736	Misdiagnosis of multiple sclerosis: Impact of the 2017 McDonald criteria on clinical practice. 2019 , 92, 26-33	66
1735	Misdiagnosis of multiple sclerosis: If you have a hammer, everything looks like a nail?. 2019 , 92, 15-16	11
1734	No evidence of disease activity status over 3 years in a real-world cohort of relapsing remitting MS patients in Germany. 2019 , 27, 133-138	8
1733	Validation of CSF free light chain in diagnosis and prognosis of multiple sclerosis and clinically isolated syndrome: prospective cohort study in Buenos Aires. 2019 , 266, 112-118	10

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¹⁷³² people with multiple sclerosis. 2019 , 27, 226-231	4
1731 Moyamoya masquerading as relapsing remitting multiple sclerosis. 2019 , 40, 635-637	1
1730 CNS phenotype in X linked Charcot- Marie-Tooth disease. 2019 , 90, 1068	3
1729 Multiple Sclerosis and Autoimmune Neurology of the Central Nervous System. 2019 , 103, 325-336	12
1728 Common Symptoms in the Neurology Clinic. 2019 , 377-472	
The prevalence and prognostic value of myelin oligodendrocyte glycoprotein antibody in adult optic neuritis. 2019 , 396, 225-231	24
Optic nerve double inversion recovery hypersignal in patients with clinically isolated syndrome is associated with asymptomatic gadolinium-enhanced lesion. 2019 , 25, 1888-1895	6
1725 Clinical utility of a molecular signature in inflammatory demyelinating disease. 2019 , 6, e520	8
Multiple Sclerosis. 2019 , 221-251 Concurrence of juvenile idiopathic arthritis and primary demyelinating disease in a young child.	2
¹⁷²³ 2019 , 27, 20-22	2
Automatic segmentation of the spinal cord and intramedullary multiple sclerosis lesions with	77
convolutional neural networks. 2019 , 184, 901-915	7.7
Decision-making on radiologically isolated syndrome among Argentinean neurologists: A survey	5
based on clinical experience. 2019 , 27, 61-64 Repeatability and reproducibility of FreeSurfer, FSL-SIENAX and SPM brain volumetric	5 59
based on clinical experience. 2019 , 27, 61-64 Repeatability and reproducibility of FreeSurfer. FSL-SIENAX and SPM brain volumetric	
based on clinical experience. 2019 , 27, 61-64 Repeatability and reproducibility of FreeSurfer, FSL-SIENAX and SPM brain volumetric measurements and the effect of lesion filling in multiple sclerosis. 2019 , 29, 1355-1364	59
based on clinical experience. 2019 , 27, 61-64 Repeatability and reproducibility of FreeSurfer, FSL-SIENAX and SPM brain volumetric measurements and the effect of lesion filling in multiple sclerosis. 2019 , 29, 1355-1364 Multiple sclerosis relapse: Qualitative findings from clinician and patient interviews. 2019 , 27, 139-146 Restriction spectrum imaging of white matter and its relation to neurological disability in multiple	59 9

1714	Kappa free light chains is a valid tool in the diagnostics of MS: A large multicenter study. 2020 , 26, 912-923	26
1713	Pediatric onset multiple sclerosis. 2020 , 176, 30-36	6
1712	How do patients enter the healthcare system after the first onset of multiple sclerosis symptoms? The influence of setting and physician specialty on speed of diagnosis. 2020 , 26, 489-500	11
1711	Dissociable cognitive patterns related to depression and anxiety in multiple sclerosis. 2020 , 26, 1247-1255	17
1710	Brain and spinal MRI features distinguishing MS from different AQP4 antibody serostatus NMOSD at disease onset in a cohort of Latin American patients. 2020 , 26, 945-954	8
1709	Comparative efficacy and acceptability of disease-modifying therapies in patients with relapsing-remitting multiple sclerosis: a systematic review and network meta-analysis. 2020 , 267, 3489-3498	39
1708	Does Resetting the Immune System Fix Multiple Sclerosis?. 2020 , 47, 1-10	4
1707	The "central vein sign" in patients with diagnostic "red flags" for multiple sclerosis: A prospective multicenter 3T study. 2020 , 26, 421-432	21
1706	Treatment of multiple sclerosis with rituximab: A multicentric Italian-Swiss experience. 2020 , 26, 1519-1531	19
1705	CNS inflammatory demyelinating disorders: MS, NMOSD and MOG antibody associated disease. 2020 , 68, 321-330	17
1704	Monitoring diffuse injury during disease progression in experimental autoimmune encephalomyelitis with on resonance variable delay multiple pulse (onVDMP) CEST MRI. 2020 , 204, 116245	5
1703	Cortical quantitative MRI parameters are related to the cognitive status in patients with relapsing-remitting multiple sclerosis. 2020 , 30, 1045-1053	5
1702	Differential diagnosis of multiple sclerosis and other inflammatory CNS diseases. 2020 , 37, 101452	21
1701	The multiple sclerosis gut microbiota: A systematic review. 2020 , 37, 101427	50
1700	Radiologically isolated syndrome with oligoclonal bands in CSF (RIS + OCB) can be classified as high MS risk group. 2020 , 26, 869-870	4
1699	Infratentorial and spinal cord lesions: Cumulative predictors of long-term disability?. 2020 , 26, 1381-1391	9
1698	Internationale B rain Health Initiative[und Multiple Sklerose. 2020 , 3, 107-115	2
1697	Improved performance of the 2017 McDonald criteria for diagnosis of multiple sclerosis in children in a real-life cohort. 2020 , 26, 1372-1380	16

1696	Single-subject structural cortical networks in clinically isolated syndrome. 2020 , 26, 1392-1401	3
1695	Change in multiple sclerosis prevalence over time in Australia 2010-2017 utilising disease-modifying therapy prescription data. 2020 , 26, 1315-1328	11
1694	Intrathecal immunoglobulins and neurofilament light after autologous haematopoietic stem cell transplantation for multiple sclerosis. 2020 , 26, 1351-1359	7
1693	Optical coherence tomography and multiple sclerosis: Update on clinical application and role in clinical trials. 2020 , 26, 624-639	11
1692	Extending the Interval of Natalizumab Dosing: Is Efficacy Preserved?. 2020 , 17, 200-207	24
1691	Progressive Multifocal Myelopathy or Multiple Sclerosis?. 2020 , 37, 101373	2
1690	Exit strategies for "needle fatigue" in multiple sclerosis: a propensity score-matched comparison study. 2020 , 267, 694-702	2
1689	Cerebrospinal fluid kappa and lambda free light chains in oligoclonal band-negative patients with suspected multiple sclerosis. 2020 , 27, 461-467	15
1688	Canadian Multiple Sclerosis Pregnancy Study (CANPREG-MS): Rationale and Methodology. 2020 , 47, 109-114	3
1687	Current Concepts in Ophthalmology. 2020,	
1687 1686	Current Concepts in Ophthalmology. 2020, Cerebrospinal fluid free light chains compared to oligoclonal bands as biomarkers in multiple sclerosis. 2020, 339, 577108	16
,	Cerebrospinal fluid free light chains compared to oligoclonal bands as biomarkers in multiple	16
1686 1685	Cerebrospinal fluid free light chains compared to oligoclonal bands as biomarkers in multiple sclerosis. 2020 , 339, 577108 Do people with multiple sclerosis want to discuss their long-term prognosis? A nationwide study in	
1686 1685	Cerebrospinal fluid free light chains compared to oligoclonal bands as biomarkers in multiple sclerosis. 2020, 339, 577108 Do people with multiple sclerosis want to discuss their long-term prognosis? A nationwide study in Argentina. 2020, 37, 101445	4
1686 1685 1684	Cerebrospinal fluid free light chains compared to oligoclonal bands as biomarkers in multiple sclerosis. 2020, 339, 577108 Do people with multiple sclerosis want to discuss their long-term prognosis? A nationwide study in Argentina. 2020, 37, 101445 Diagnosis of multiple sclerosis: what is changing?. 2020, 20, 743-746 The P2X receptor tracer [C]SMW139 as an in vivo marker of neuroinflammation in multiple	1
1686 1685 1684	Cerebrospinal fluid free light chains compared to oligoclonal bands as biomarkers in multiple sclerosis. 2020, 339, 577108 Do people with multiple sclerosis want to discuss their long-term prognosis? A nationwide study in Argentina. 2020, 37, 101445 Diagnosis of multiple sclerosis: what is changing?. 2020, 20, 743-746 The P2X receptor tracer [C]SMW139 as an in vivo marker of neuroinflammation in multiple sclerosis: a first-in man study. 2020, 47, 379-389 Measurement of mucociliary clearance in the patients with multiple sclerosis. 2020, 277, 469-473 Single Test to ARrive at Multiple Sclerosis (STAR-MS) diagnosis: A prospective pilot study assessing	4 1 30
1686 1685 1684 1683 1682	Cerebrospinal fluid free light chains compared to oligoclonal bands as biomarkers in multiple sclerosis. 2020, 339, 577108 Do people with multiple sclerosis want to discuss their long-term prognosis? A nationwide study in Argentina. 2020, 37, 101445 Diagnosis of multiple sclerosis: what is changing?. 2020, 20, 743-746 The P2X receptor tracer [C]SMW139 as an in vivo marker of neuroinflammation in multiple sclerosis: a first-in man study. 2020, 47, 379-389 Measurement of mucociliary clearance in the patients with multiple sclerosis. 2020, 277, 469-473 Single Test to ARrive at Multiple Sclerosis (STAR-MS) diagnosis: A prospective pilot study assessing the accuracy of the central vein sign in predicting multiple sclerosis in cases of diagnostic	4 1 30 3

1678	Role of and genes polymorphisms in multiple sclerosis. 2020 , 130, 407-412	12
1677	Clinical, imaging and follow-up study of optic neuritis associated with myelin oligodendrocyte glycoprotein antibody: a multicentre study of 62 adult patients. 2020 , 27, 384-391	14
1676	Evoked potentials can predict future disability in people with clinically isolated syndrome. 2020 , 27, 437-444	7
1675	3D PSIR MRI at 3 Tesla improves detection of spinal cord lesions in multiple sclerosis. 2020 , 267, 406-414	9
1674	Acute effects of whole-body vibration training on neuromuscular performance and mobility in hypoxia and normoxia in persons with multiple sclerosis: A crossover study. 2020 , 37, 101454	1
1673	Consensus recommendations for the diagnosis and treatment of multiple sclerosis: 2019 revisions to the MENACTRIMS guidelines. 2020 , 37, 101459	25
1672	Empirical Mode Decomposition-Based Filter Applied to Multifocal Electroretinograms in Multiple Sclerosis Diagnosis. 2019 , 20,	3
1671	Pediatric multiple sclerosis: from clinical basis to imaging spectrum and differential diagnosis. 2020 , 50, 776-792	11
1670	Do patients with multiple sclerosis benefit from semi-immersive virtual reality? A randomized clinical trial on cognitive and motor outcomes. 2020 , 1-7	11
1669	Diagnosis and management of central nervous system Sjgren's syndrome. 2020 , 189-209	
1669 1668	Diagnosis and management of central nervous system Sj\u00e4ren's syndrome. 2020, 189-209 Microglial NLRP3 inflammasome activation in multiple sclerosis. 2020, 119, 247-308	21
	Microglial NLRP3 inflammasome activation in multiple sclerosis. 2020, 119, 247-308	21
1668	Microglial NLRP3 inflammasome activation in multiple sclerosis. 2020 , 119, 247-308 "No evidence of disease activity": Is it an aspirational therapeutic goal in multiple sclerosis?. 2020 ,	
1668 1667	Microglial NLRP3 inflammasome activation in multiple sclerosis. 2020, 119, 247-308 "No evidence of disease activity": Is it an aspirational therapeutic goal in multiple sclerosis?. 2020, 40, 101935 Deciphering anti-MOG IgG antibodies: Clinical and radiological spectrum, and comparison of	8
1668 1667 1666	Microglial NLRP3 inflammasome activation in multiple sclerosis. 2020, 119, 247-308 "No evidence of disease activity": Is it an aspirational therapeutic goal in multiple sclerosis?. 2020, 40, 101935 Deciphering anti-MOG IgG antibodies: Clinical and radiological spectrum, and comparison of antibody detection assays. 2020, 410, 116673 Can semantic fluency be used as an alternative or additional measure in the abbreviated Minimal	8
1668 1667 1666	Microglial NLRP3 inflammasome activation in multiple sclerosis. 2020, 119, 247-308 "No evidence of disease activity": Is it an aspirational therapeutic goal in multiple sclerosis?. 2020, 40, 101935 Deciphering anti-MOG IgG antibodies: Clinical and radiological spectrum, and comparison of antibody detection assays. 2020, 410, 116673 Can semantic fluency be used as an alternative or additional measure in the abbreviated Minimal Assessment of Cognitive Function in Multiple Sclerosis (aMACFIMS)?. 2020, 410, 116640	8 9 6
1668 1667 1666 1665	Microglial NLRP3 inflammasome activation in multiple sclerosis. 2020, 119, 247-308 "No evidence of disease activity": Is it an aspirational therapeutic goal in multiple sclerosis?. 2020, 40, 101935 Deciphering anti-MOG IgG antibodies: Clinical and radiological spectrum, and comparison of antibody detection assays. 2020, 410, 116673 Can semantic fluency be used as an alternative or additional measure in the abbreviated Minimal Assessment of Cognitive Function in Multiple Sclerosis (aMACFIMS)?. 2020, 410, 116640 The differential expression of natural killer cells in NMOSD and MS. 2020, 71, 9-14 The impact of modifiable risk factors on lesion burden in patients with early multiple sclerosis.	8 9 6

1660	Pediatric optic neuritis and anti MOG antibodies: a cohort of Italian patients. 2019 , 39, 101917	6
1659	Pathological findings in central nervous system demyelination associated with infliximab. 2020 , 26, 1124-112	97
1658	Trigeminal neuralgia associated with a solitary pontine lesion: clinical and neuroimaging definition of a new syndrome. 2020 , 161, 916-925	13
1657	Deep Learning for Predicting Enhancing Lesions in Multiple Sclerosis from Noncontrast MRI. 2020 , 294, 398-404	32
1656	Bad Tests Die Slowly: The Myelin Basic Protein Example. 2020 , 5, 136-141	
1655	Thalamo-cortical dysfunction contributes to fatigability in multiple sclerosis patients: A neurophysiological study. 2019 , 39, 101897	6
1654	Population-based Incidence of Pediatric and Adult Optic Neuritis and the Risk of Multiple Sclerosis. 2020 , 127, 417-425	17
1653	Scientific impact of multiple sclerosis and neuromyelitis optica spectrum disorder research from Southeast Asia: A bibliometric analysis. 2020 , 38, 101862	12
1652	Word-finding difficulty is a prevalent disease-related deficit in early multiple sclerosis. 2020 , 26, 1752-1764	19
1651	Efficacy and Safety of Oral Therapies for Relapsing-Remitting Multiple Sclerosis. 2020 , 34, 65-92	10
1650	Ketogenic diet and fasting diet as Nutritional Approaches in Multiple Sclerosis (NAMS): protocol of a randomized controlled study. 2020 , 21, 3	14
1649	Consensus Recommendations of the Multiple Sclerosis Study Group and the Portuguese Neuroradiological Society for the Use of Magnetic Resonance Imaging in Multiple Sclerosis in Clinical Practice: Part 2. 2020 , 33, 66-75	1
1648	The role of melatonin in Multiple Sclerosis. 2020 , 41, 769-781	11
1647	Male microchimerism in peripheral blood from women with multiple sclerosis in Isfahan Province. 2020 , 47, 175-179	2
1646	Dissecting task-specific plasticity capacity in patients with multiple sclerosis with transcranial magnetic stimulation. 2020 , 131, 472-473	1
1645	Neurofibromatosis type 2 and multiple sclerosis. 2019 , 39, 101890	
1644	NLRP3 level in cerebrospinal fluid of patients with neuromyelitis optica spectrum disorders: Increased levels and association with disease severity. 2019 , 39, 101888	5
1643	What do we currently know about the clinically isolated syndrome suggestive of multiple sclerosis? An update. 2020 , 31, 335-349	2

1642	Special Issue CCA for the proceedings of the 2nd symposium of the Society of CSF analysis and Clinical Neurochemistry. 2020 , 502, 199-200	
1641	Kappa free light chains index in the differential diagnosis of Multiple Sclerosis from Neuromyelitis optica spectrum disorders and other immune-mediated central nervous system disorders. 2020 , 339, 577122	11
1640	The efficacy of interferon-beta therapy in multiple sclerosis patients: investigation of the RORA gene as a predictive biomarker. 2020 , 20, 271-276	3
1639	Klotho and vitamin D in multiple sclerosis: an Italian study. 2020 , 16, 842-847	6
1638	Dalfampridine to Improve Balance in Multiple Sclerosis: Substudy from a Randomized Placebo-Controlled Trial. 2020 , 17, 704-709	3
1637	The accuracy of standard multiple sclerosis MRI brain sequences for the diagnosis of optic neuropathy. 2020 , 38, 101521	3
1636	Trigeminal neuralgia associated with multiple sclerosis: A multimodal assessment of brainstem plaques and response to Gamma Knife radiosurgery. 2020 , 26, 1877-1888	5
1635	The impact of diagnostic criteria and treatments on the 20-year costs for treating relapsing-remitting multiple sclerosis. 2020 , 38, 101514	6
1634	Consensus recommendations on the management of multiple sclerosis patients in Argentina. 2020 , 409, 116609	4
1633	Social phobia in immune-mediated inflammatory diseases. 2020 , 128, 109890	3
1632	Limited One-time Sampling Irregularity Map (LOTS-IM) for Automatic Unsupervised Assessment of White Matter Hyperintensities and Multiple Sclerosis Lesions in Structural Brain Magnetic Resonance Images. 2020 , 79, 101685	5
1631	Comparing Plasma Exchange to Escalated Methyl Prednisolone in Refractory Multiple Sclerosis Relapses. 2019 , 9,	6
1630	Automated volumetric assessment with artificial neural networks might enable a more accurate assessment of disease burden in patients with multiple sclerosis. 2020 , 30, 2356-2364	6
1629	Selective Cerebellar Atrophy Associates with Depression and Fatigue in the Early Phases of Relapse-Onset Multiple Sclerosis. 2020 , 19, 192-200	9
1628	Nursing interventions in autologous stem cell transplantation for autoimmune diseases. 2020 , 76, 3473-3482	
1627	Single-Arm, Non-randomized, Time Series, Single-Subject Study of Fecal Microbiota Transplantation in Multiple Sclerosis. 2020 , 11, 978	15
1626	Social norms in patients with relapsing-remitting multiple sclerosis: Impairment of the moral/conventional distinction?. 2020 , 15, 630-640	
1625	The impairment of the functional system and fatigue at the onset of the disease predict reaching disability milestones in relapsing-remitting multiple sclerosis differently in female and male patients. 2021 , 121, 1699-1706	1

1624	Multiple sclerosis in a young woman with sickle cell disease. 2020 , 45, 102427	О
1623	Differential diagnosis in acute inflammatory myelitis. 2020 , 46, 102481	1
1622	Multiple sclerosis and COVID-19: How many are at risk?. 2021 , 28, 3369-3374	18
1621	Cerebrospinal fluid oligoclonal bands in Neuroborreliosis are specific for Borrelia burgdorferi. 2020 , 15, e0239453	3
1620	Research on Cognition Disorders. 2020 ,	
1619	Revisiting the Pathoetiology of Multiple Sclerosis: Has the Tail Been Wagging the Mouse?. 2020 , 11, 572186	12
1618	Pregnancy exposure to disease-modifying drugs in multiple sclerosis: a prospective study. 2020 , 154, 214-217	2
1617	Frequency and etiology of acute transverse myelitis in Southern Finland. 2020 , 46, 102562	1
1616	The Administrative Prevalence of Multiple Sclerosis in Greece on the Basis of a Nationwide Prescription Database. 2020 , 11, 1012	3
1615	Interval Timing in Pediatric Multiple Sclerosis: Impaired in the Subsecond Range but Unimpaired in the One-Second Range. 2020 , 11, 575780	Ο
1614	Paediatric onset of multiple sclerosis: Analysis of chemokine and cytokine levels in the context of the early clinical course. 2020 , 46, 102467	1
1613	Diverse Applications of Artificial Intelligence in Neuroradiology. 2020 , 30, 505-516	4
1612	Association of multiple sclerosis with vitiligo: a systematic review and meta-analysis. 2020 , 10, 17792	О
1611	HLA-DR15 Molecules Jointly Shape an Autoreactive T Cell Repertoire in Multiple Sclerosis. 2020 , 183, 1264-1281.e20	43
1610	Smell as a clinical-marker for functional limitations in multiple sclerosis: A pilot study. 2020 , 46, 102508	2
1609	Selective modulation of trans-endothelial migration of lymphocyte subsets in multiple sclerosis patients under fingolimod treatment. 2020 , 349, 577392	3
1608	MS Spasticity: Take Control (STC) for ambulatory adults: protocol for a randomized controlled trial. 2020 , 20, 368	1
1607	The weak association between neurofilament levels at multiple sclerosis onset and cognitive performance after 9 years. 2020 , 46, 102534	5

1606	Demographic and clinical characterization of multiple sclerosis in Mexico: The REMEMBer study. 2020 , 46, 102575	О
1605	Blunted neural and psychological stress processing predicts future grey matter atrophy in multiple sclerosis. 2020 , 13, 100244	5
1604	Sensitive Detection of Infratentorial and Upper Cervical Cord Lesions in Multiple Sclerosis with Combined 3D FLAIR and T2-Weighted (FLAIR3) Imaging. 2020 , 41, 2062-2067	1
1603	Accelerating Brain 3D T1-Weighted Turbo Field Echo MRI Using Compressed Sensing-Sensitivity Encoding (CS-SENSE). 2020 , 131, 109255	4
1602	Expression of Akt1 and p-Akt1 in peripheral T cell subsets of multiple sclerosis patients. 2021 , 121, 1777-1782	Ο
1601	Corneal epithelial dendritic cells in patients with multiple sclerosis: An in vivo confocal microscopy study. 2020 , 81, 139-143	4
1600	Prevalence of comorbidities in Multiple Sclerosis and impact on physical disability according to disease phenotypes. 2020 , 46, 102565	1
1599	Early changes in IL-21, IL-22, CCL2, and CCL4 serum cytokines after outpatient autologous transplantation for multiple sclerosis: A proof of concept study. 2020 , 34, e14114	6
1598	Ratgeber Multiple Sklerose. 2020 ,	
1597	Multiple sclerosis lesion activity segmentation with attention-guided two-path CNNs. 2020 , 84, 101772	12
1596	Could the performance of oral glucose tolerance test contribute to the brain health-focused care in multiple sclerosis?. 2020 , 46, 102536	О
1595	Association of Pregnancy With the Onset of Clinically Isolated Syndrome. 2020 , 77, 1496-1503	11
1594	New concepts about the role of magnetic resonance imaging in the diagnosis and follow-up of multiple sclerosis. 2020 , 62, 349-359	
1593	Multiple sclerosis attack case presenting with pseudo-vestibular neuritis. 2020 , 1-5	1
1592	Brain TSPO-PET predicts later disease progression independent of relapses in multiple sclerosis. 2020 , 143, 3318-3330	30
1591	Urologic, neurologic, and general practice implications of the Time to be Ready to Void Test. 2021 , 64, 101372	1
1590	White Matter Lesions in Adults - a Differential Diagnostic Approach. 2020 , 192, 1154-1173	2
1589	Population-Based Incidence of Optic Neuritis in the Era of Aquaporin-4 and Myelin Oligodendrocyte Glycoprotein Antibodies. 2020 , 220, 110-114	13

1588	Ultra-high field 7 T imaging in multiple sclerosis. 2020 , 33, 422-429	5
1587	Avanös no tratamento da esclerose mítipla atravŝ do anticorpo monoclonal Ocrelizumabe. 2020 , 53, 35-41	
1586	Short-term outcomes of pediatric multiple sclerosis patients treated with alemtuzumab at a Canadian University multiple sclerosis clinic. 2020 , 6, 2055217320926613	2
1585	Clinical and laboratory features distinguishing MOG antibody disease from multiple sclerosis and AQP4 antibody-positive neuromyelitis optica. 2020 , 45, 102399	15
1584	Multiple sclerosis cortical and WM lesion segmentation at 3T MRI: a deep learning method based on FLAIR and MP2RAGE. 2020 , 27, 102335	31
1583	A Score Based on NfL and Glial Markers May Differentiate Between Relapsing-Remitting and Progressive MS Course. 2020 , 11, 608	11
1582	Co-incident primary progressive multiple sclerosis and hereditary spastic paraplegia (SPG4) - a case report. 2020 , 44, 102375	1
1581	Measurements of the corpus callosum index and fractional anisotropy of the corpus callosum and their cutoff values are useful to assess global brain volume loss in multiple sclerosis. 2020 , 45, 102388	6
1580	Multiplex assessment of cerebrospinal fluid biomarkers in multiple sclerosis. 2020 , 45, 102391	5
1579	Coexistence of emotional reactions and atrophic brain changes in patients with clinically isolated syndrome of multiple sclerosis. 2020 , 29, 3-10	
1578	CSF oligoclonal band frequency in a Cuban cohort of patients with multiple sclerosis. comparison with Latin American countries and association with latitude. 2020 , 45, 102412	1
1577	Impact of intrathecal IgG synthesis on neurological disability in patients with multiple sclerosis. 2020 , 45, 102382	4
1576	State of the Art and Future Challenges in Multiple Sclerosis Research and Medical Management: An Insight into the 5th International Porto Congress of Multiple Sclerosis. 2020 , 9, 281-300	2
1575	Treatment of Multiple Sclerosis: A Review. 2020 , 133, 1380-1390.e2	99
1574	AI in Radiology: Where are we today in Multiple Sclerosis Imaging?. 2020 , 192, 847-853	3
1573	Structural correlates of atypical visual and motor cortical oscillations in pediatric-onset multiple sclerosis. 2020 , 41, 4299-4313	4
1572	Importance of Not MSing Cerebral White Matter Disease in Patients with Inflammatory Bowel Disease. 2020 , 65, 2527-2532	
1571	A Pilot Study to Explore Patient Satisfaction With a Virtual Rehabilitation Program in Multiple Sclerosis: The RehabVR Study Protocol. 2020 , 11, 900	3

1570	Cerebrospinal Fluid IgM Levels in Association With Inflammatory Pathways in Multiple Sclerosis Patients. 2020 , 14, 569827	2
1569	Imaging of the Spinal Cord in Multiple Sclerosis: Past, Present, Future. 2020 , 10,	4
1568	Gut microbiota-specific IgA B cells traffic to the CNS in active multiple sclerosis. 2020 , 5,	48
1567	Multiple Sclerosis: Shall We Target CD33?. 2020 , 11,	6
1566	Intrathecal kappa free light chains as markers for multiple sclerosis. 2020 , 10, 20329	11
1565	Assessment of mental health, knowledge, and attitude of patients with multiple sclerosis and neuromyelitis optica spectrum disorder in response to 2019 novel coronavirus. 2021 , 42, 2891-2901	6
1564	An electronic, unsupervised patient-reported Expanded Disability Status Scale for multiple sclerosis. 2021 , 27, 1432-1441	3
1563	Magnetic resonance imaging at baseline and follow-up to differentiate between pediatric monophasic acquired CNS demyelination and MS. 2020 , 46, 102590	2
1562	Slowing of brain atrophy with teriflunomide and delayed conversion to clinically definite MS. 2020 , 13, 1756286420970754	2
1561	Vestibular rehabilitation in multiple sclerosis: study protocol for a randomised controlled trial and cost-effectiveness analysis comparing customised with booklet based vestibular rehabilitation for vestibulopathy and a 12 month observational cohort study of the symptom reduction and	1
1560	Adding brain volume measures into response criteria in multiple sclerosis: the RB-4 score. 2021 , 63, 1031-104	1 0
1559	Lipid profile: causal relationship on cognitive performance in multiple sclerosis?. 2020, 47, 9667-9676	4
1558	The Development of Cladribine Tablets for the Treatment of Multiple Sclerosis: A Comprehensive Review. 2020 , 80, 1901-1928	17
1557	Cerebrospinal Fluid Biomarkers in Relation to MRZ Reaction Status in Primary Progressive Multiple Sclerosis. 2020 , 9,	3
1556	Pain Characteristics and Associations with Quality of Life in Patients with Multiple Sclerosis in Lithuania. 2020 , 56,	O
1555	A cross-sectional comparison of performance, neurophysiological and MRI outcomes of responders and non-responders to fampridine treatment in multiple sclerosis - An explorative study. 2020 , 82, 179-185	3
1554	Utility of shape evolution and displacement in the classification of chronic multiple sclerosis lesions. 2020 , 10, 19560	2
1553	The effect of tonsillectomy on John Cunningham virus serological status in multiple sclerosis patients: A retrospective case-control study. 2021 , 27, 1297-1300	

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1552	The Use of the Central Vein Sign in the Diagnosis of Multiple Sclerosis: A Systematic Review and Meta-analysis. 2020 , 10,	8
1551	Orexin and Psychoneurobiology: A Hidden Treasure. 2020 ,	
1550	Evolving relationship between respiratory functions & impairment in sleep and cognition in patients with multiple sclerosis. 2020 , 46, 102514	2
1549	Sfidrome de Sjigren neuropsiquifirico. 2020 , 27, 125-139	
1548	Progress in the Management of Paediatric-Onset Multiple Sclerosis. 2020 , 7,	Ο
1547	Synthetic MRI: Technologies and Applications in Neuroradiology. 2020 ,	9
1546	Clinical Immunological Correlations in Patients with Multiple Sclerosis Treated with Natalizumab. 2020 , 10,	
1545	Comment je fais une IRM pour le suivi des patients avec une sclfose en plaques?. 2020 , 3, 384-388	
1544	ASPIRE trial: study protocol for a double-blind randomised controlled trial of aspirin for overheating during exercise in multiple sclerosis. 2020 , 10, e039691	
1543	A preliminary study of the concentration of metallic elements in the blood of patients with multiple sclerosis as measured by ICP-MS. 2020 , 10, 13112	6
1542	Retinal and brain damage during multiple sclerosis course: inflammatory activity is a key factor in the first 5 years. 2020 , 10, 13333	3
1541	Is there a correlation between dyslipidemia and cognitive impairment in patients with multiple sclerosis?. 2020 , 1-6	3
1540	The role of contrast-enhanced and non-contrast-enhanced MRI in the follow-up of multiple sclerosis. 2021 , 62, 916-921	2
1539	Autoimmune and demyelinating optic neuritis. 2020 , 95, 386-395	
1538	Seasonal variation in relapse of neuromyelitis optica spectrum disorders: A retrospective study in China. 2020 , 347, 577351	3
1537	Reactive increase of cerebrospinal fluid white blood cell count after lumbar puncture: Fact or fiction?. 2020 , 414, 116876	Ο
1536	Combined exercise training improves cognitive functions in multiple sclerosis patients with cognitive impairment: A single-blinded randomized controlled trial. 2020 , 45, 102419	14
1535	12 Diffuse White Matter Hyperintensities. 2020 ,	

1534	Pediatric Multiple Sclerosis Severity Score in a large US cohort. 2020 , 95, e1844-e1853	3
1533	Personalized extended interval dosing of natalizumab in MS: A prospective multicenter trial. 2020 , 95, e745-e754	17
1532	Contralateral Strength Training as Preparation for Direct Strength Training in a Patient With Unilateral Foot-Drop Because of Multiple Sclerosis: A Case Report. 2020 , 100, 1816-1824	1
1531	Validation of Quantitative Scores Derived From Motor Evoked Potentials in the Assessment of Primary Progressive Multiple Sclerosis: A Longitudinal Study. 2020 , 11, 735	4
1530	A Multiple -Glucosylated Peptide Epitope Efficiently Detecting Antibodies in Multiple Sclerosis. 2020 , 10,	О
1529	Lower extremity muscle strength across the adult lifespan in multiple sclerosis: Implications for walking and stair climbing capacity. 2020 , 139, 111025	4
1528	Differential effects of disease modifying drugs on peripheral blood B cell subsets: A cross sectional study in multiple sclerosis patients treated with interferon-[]glatiramer acetate, dimethyl fumarate, fingolimod or natalizumab. 2020 , 15, e0235449	8
1527	Incidence and prevalence of multiple sclerosis in Hungary based on record linkage of nationwide multiple healthcare administrative data. 2020 , 15, e0236432	3
1526	Effect of remote ischaemic preconditioning on walking in people with multiple sclerosis: double-blind randomised controlled trial. 2020 , 2, e000022	5
1525	Mitochondrial Oxidative Damage Underlies Regulatory T Cell Defects in Autoimmunity. 2020 , 32, 591-604.e7	28
1525 1524	Mitochondrial Oxidative Damage Underlies Regulatory T Cell Defects in Autoimmunity. 2020, 32, 591-604.e7 Latin American consensus recommendations for management and treatment of neuromyelitis optica spectrum disorders in clinical practice. 2020, 45, 102428	28
	Latin American consensus recommendations for management and treatment of neuromyelitis	
1524	Latin American consensus recommendations for management and treatment of neuromyelitis optica spectrum disorders in clinical practice. 2020 , 45, 102428 Understanding Pediatric Neuroimmune Disorder Conflicts: A Neuroradiologic Approach in the	20
1524 1523	Latin American consensus recommendations for management and treatment of neuromyelitis optica spectrum disorders in clinical practice. 2020, 45, 102428 Understanding Pediatric Neuroimmune Disorder Conflicts: A Neuroradiologic Approach in the Molecular Era. 2020, 40, 1395-1411 The Effect of Coffee and Caffeine Consumption on Patients with Multiple Sclerosis-Related	20
1524 1523 1522	Latin American consensus recommendations for management and treatment of neuromyelitis optica spectrum disorders in clinical practice. 2020, 45, 102428 Understanding Pediatric Neuroimmune Disorder Conflicts: A Neuroradiologic Approach in the Molecular Era. 2020, 40, 1395-1411 The Effect of Coffee and Caffeine Consumption on Patients with Multiple Sclerosis-Related Fatigue. 2020, 12, Validation of inter-eye difference thresholds in optical coherence tomography for identification of	20 2 3
1524 1523 1522 1521	Latin American consensus recommendations for management and treatment of neuromyelitis optica spectrum disorders in clinical practice. 2020, 45, 102428 Understanding Pediatric Neuroimmune Disorder Conflicts: A Neuroradiologic Approach in the Molecular Era. 2020, 40, 1395-1411 The Effect of Coffee and Caffeine Consumption on Patients with Multiple Sclerosis-Related Fatigue. 2020, 12, Validation of inter-eye difference thresholds in optical coherence tomography for identification of optic neuritis in multiple sclerosis. 2020, 45, 102403 Optical coherence tomography for detection of asymptomatic optic nerve lesions in clinically	20 2 3
1524 1523 1522 1521 1520	Latin American consensus recommendations for management and treatment of neuromyelitis optica spectrum disorders in clinical practice. 2020, 45, 102428 Understanding Pediatric Neuroimmune Disorder Conflicts: A Neuroradiologic Approach in the Molecular Era. 2020, 40, 1395-1411 The Effect of Coffee and Caffeine Consumption on Patients with Multiple Sclerosis-Related Fatigue. 2020, 12, Validation of inter-eye difference thresholds in optical coherence tomography for identification of optic neuritis in multiple sclerosis. 2020, 45, 102403 Optical coherence tomography for detection of asymptomatic optic nerve lesions in clinically isolated syndrome. 2020, 95, e733-e744 Optical coherence tomography: A useful tool for identifying subclinical optic neuropathy in	20 2 3 12 8

(2020-2020)

Large check size pattern reversal visual evoked potentials - Full and sectorial field stimulation in multiple sclerosis and controls. **2020**, 75, 181-187

1515 Valid or no	t: A critique of Graver and Green. 2020 , 1-4	4
	ding the application of diagnostic criteria for multiple sclerosis helps prevent sis. 2020 , 192, E894	O
	eroids and Sperm Quality in a Cohort of Relapsing Remitting Multiple Sclerosis: A rol Study. 2020 , 11, 756	4
	Amino Acid and Acylcarnitine Plasma Profiles for Distinguishing Patients with Multiple om Healthy Controls. 2020 , 2020, 9010937	1
	ifferences in the association of cytomegalovirus seropositivity and multiple sclerosis: A review and meta-analysis. 2020 , 45, 102393	3
	sed metabolomics test to distinguish relapsing-remitting and secondary progressive elerosis: addressing practical considerations for clinical application. 2020 , 10, 12381	3
	ently milder course of multiple sclerosis: changes in the diagnostic criteria, therapy and tory. 2020 , 143, 2637-2652	22
Pregnancy 1508 154, 214-2	exposure to disease-modifying drugs in multiple sclerosis: a prospective study. 2020 , 17	1
1507 Multiple so	clerosis. 2020 , 48, 588-594	1
1506 Investigati	on of the "central vein sign" in infratentorial multiple sclerosis lesions. 2020 , 45, 102409	3
	of a telerehabilitation virtual reality intervention on functional upper limb activities in h multiple sclerosis: a study protocol for the TEAMS pilot randomized controlled trial. 13	2
Prognostic 15 ⁰⁴ 2020 , 347,	value of kappa free light chains determination in first-ever multiple sclerosis relapse. 577355	5
1503 Serum neu	rofilament-light concentration and real-world outcome in MS. 2020 , 417, 117079	5
	multiple sclerosis patients with different clinical phenotypes: a clinical and magnetic imaging study. 2020 , 27, 2549-2560	5
1501 On the STA	AIR-Way to Imaging Myelin with Clinical MRI. 2020 , 297, 405-406	1
1500 Radiologic	ally Isolated Syndrome: A Review for Neuroradiologists. 2020 , 41, 1542-1549	9
Movement ¹⁴⁹⁹ Study. 202	Velocity as A Measure of Exercise Intensity in Persons with Multiple Sclerosis: A Validity 0 , 9,	O

Paramagnetic Rim Lesions are Specific to Multiple Sclerosis: An International Multicent Study. 2020 , 88, 1034-1042	er 3T MRI 28
Serum level of IL-1[In patients with inflammatory demyelinating disease: Marked upreg the early acute phase of MOG antibody associated disease (MOGAD). 2020 , 348, 57736	
Advanced MRI features in relapsing multiple sclerosis patients with and without CSF oli bands. 2020 , 10, 13703	goclonal IgG 2
$_{1495}$ Blood platelet RNA enables the detection of multiple sclerosis. 2020 , 6, 205521732094	6784 3
Pediatric Demyelinating Disease: Emerging Patterns from Multiple Sclerosis to Anti-My Oligodendrocyte Glycoprotein-Associated Encephalomyelitis. 2020 , 10, 139-151	elin 2
New concepts about the role of magnetic resonance imaging in the diagnosis and follow multiple sclerosis. 2020 , 62, 349-359	w-up of o
Kappa Index Versus CSF Oligoclonal Bands in Predicting Multiple Sclerosis and Infectious/Inflammatory CNS Disorders. 2020 , 10,	10
Dietary supplementation with L-carnosine improves patient-reported outcomes, auton- 1491 nervous system performance, and brain metabolism in 3 adult patients with multiple sc , 84, 63-69	
Acceptability and outcomes of an individualized exergaming telePT program for vetera multiple sclerosis: a pilot study. 2020 , 10, 18	ns with 5
CSF and Blood Biomarkers in Neuroinflammatory and Neurodegenerative Diseases: Imp Treatment. 2020 , 41, 1023-1037	olications for 15
Cerebrospinal fluid lipidomic biomarker signatures of demyelination for multiple sclero Guillain-Barr'syndrome. 2020 , 10, 18380	osis and 5
Local functional connectivity of patients with acute and remitting multiple sclerosis: A I coefficient of concordance- and coherence-regional homogeneity study. 2020 , 99, e228	
A comparative study of tolerability and effects on immunoglobulin levels and CD19 cell ocrelizumab vs low dose of rituximab in multiple sclerosis. 2020 , 6, 2055217320964505	
Gadolinium-Enhanced 3D T1-Weighted Black-Blood MR Imaging for the Detection of Ac Neuritis. 2020 , 41, 2333-2338	cute Optic 2
Concentrations of plasma-borne extracellular particles differ between multiple sclerosic courses and compared to healthy controls. 2020 , 45, 102446	is disease 6
$_{1483}$ Structured Reporting in Multiple Sclerosis Reduces Interpretation Time. 2021 , 28, 1733	-1738 1
African Americans experience disproportionate neurodegenerative changes in the med upper cervical spinal cord in early multiple sclerosis. 2020 , 45, 102429	Iulla and
1481 Multiple sclerosis and nutrition: back to the future?. 2020 , 13, 1756286420936165	1

(2020-2020)

1480	Serum levels of cell adhesion molecules in patients with neuromyelitis optica spectrum disorder. 2020 , 7, 1854-1861	1
1479	Cerebrospinal fluid findings in patients with myelin oligodendrocyte glycoprotein (MOG) antibodies. Part 1: Results from 163 lumbar punctures in 100 adult patients. 2020 , 17, 261	32
1478	Cerebrospinal fluid findings in patients with myelin oligodendrocyte glycoprotein (MOG) antibodies. Part 2: Results from 108 lumbar punctures in 80 pediatric patients. 2020 , 17, 262	18
1477	Histopathology-validated recommendations for cortical lesion imaging in multiple sclerosis. 2020 , 143, 2988-2997	7
1476	IgG Index Revisited: Diagnostic Utility and Prognostic Value in Multiple Sclerosis. 2020 , 11, 1799	5
1475	The Agony of Choice? Preserved Affective Decision Making in Early Multiple Sclerosis. 2020 , 11, 914	1
1474	Genomic, proteomic, and systems biology approaches in biomarker discovery for multiple sclerosis. 2020 , 358, 104219	8
1473	The current status and challenges in multiple sclerosis management in the Philippines. 2020 , 46, 102510	8
1472	7 T imaging reveals a gradient in spinal cord lesion distribution in multiple sclerosis. 2020 , 143, 2973-2987	10
1471	Free light chains kappa can differentiate between myelitis and noninflammatory myelopathy. 2020 , 7,	6
1470	Cortical Thinning and Ventricle Enlargement in Neuromyelitis Optica Spectrum Disorders. 2020 , 11, 872	2
1469	Clinical and demographic characteristics of primary progressive multiple sclerosis in Argentina: Argentinean registry cohort study (RelevarEM). 2020 , 41, 3329-3335	3
1468	A pathogenic and clonally expanded B cell transcriptome in active multiple sclerosis. 2020 , 117, 22932-22943	43
1467	Probable Autoimmune Depression in a Patient With Multiple Sclerosis and Antineuronal Antibodies. 2020 , 11, 745	1
1466	Akute partielle Okulomotoriusparese. 2020 , 1	
1465	Creatine and multiple sclerosis. 2020 , 1-8	3
1464	Prevalence of multiple sclerosis in rural and urban districts in Telemark county, Norway. 2020 , 45, 102352	5
1463	Multiple Sclerosis as a Syndrome-Implications for Future Management. 2020 , 11, 784	1

	fety and Tolerability of Plasma Exchange and Immunoadsorption in Neuroinflammatory Diseases. 20 , 9,	4
	ogressive patterns of neurological disability in multiple sclerosis and neuromyelitis optica ectrum disorders. 2020 , 10, 13890	20
1460 lm	proved relapse recovery in paediatric compared to adult multiple sclerosis. 2020 , 143, 2733-2741	20
	ologic Therapy in Refractory Non-Multiple Sclerosis Optic Neuritis Isolated or Associated to mune-Mediated Inflammatory Diseases. A Multicenter Study. 2020 , 9,	2
1458 [H	eadache in multiple sclerosis]. 2020 , 91, 926-935	1
1457 lm	mune signatures of prodromal multiple sclerosis in monozygotic twins. 2020 , 117, 21546-21556	12
	fferent Effects of Transcranial Direct Current Stimulation on Leg Muscle Glucose Uptake ymmetry in Two Women with Multiple Sclerosis. 2020 , 10,	4
	ojective evaluation of Nintendo Wii Fit Plus balance program training on postural stability in ultiple Sclerosis patients: a pilot study. 2020 , 43, 199-205	2
	terations of the gut ecological and functional microenvironment in different stages of multiple erosis. 2020 , 117, 22402-22412	49
	tensive Healthy Donor Age/Gender Adjustments and Propensity Score Matching Reveal ysiology of Multiple Sclerosis Through Immunophenotyping. 2020 , 11, 565957	1
	e Relationship of the Mechanisms of the Pathogenesis of Multiple Sclerosis and the Expression Endogenous Retroviruses. 2020 , 9,	4
	rebrospinal fluid inflammatory biomarkers predicting interferon-beta response in MS patients. 20 , 13, 1756286420970833	3
1450 Pa Pra	habilitation Before and After Autologous Haematopoietic Stem Cell Transplantation (AHSCT) for tients With Multiple Sclerosis (MS): Consensus Guidelines and Recommendations for Best Clinical actice on Behalf of the Autoimmune Diseases Working Party, Nurses Group, and Patient vocacy Committee of the European Society for Blood and Marrow Transplantation (EBMT). 2020,	3
	wocacy Committee of the European Society for Blood and Marrow Transplantacion (EBMT). 2020, 556141 w Contrast Visual Acuity Might Help to Detect Previous Optic Neuritis. 2020, 11, 602193	4
	vestigation of Deep-Learning-Driven Identification of Multiple Sclerosis Patients Based on sceptibility-Weighted Images Using Relevance Analysis. 2020 , 14, 609468	11
1447 Th	e Roles of Matrix Metalloproteinases and Their Inhibitors in Human Diseases. 2020 , 21,	122
1446 Pro	evalence of SARS-CoV-2 Antibodies in Multiple Sclerosis: The Hidden Part of the Iceberg. 2020 , 9,	10
	evated Concentrations of Soluble Fas and FasL in Multiple Sclerosis Patients with Antinuclear stibodies. 2020 , 9,	1

1444	Increased socioeconomic burden in patients with primary progressive multiple sclerosis: A Danish nationwide population-based study. 2020 , 46, 102567	2
1443	Spatial constraints and cognitive fatigue affect motor imagery of walking in people with multiple sclerosis. 2020 , 10, 21938	1
1442	Central Nervous System Demyelination Associated With Immune Checkpoint Inhibitors: Review of the Literature. 2020 , 11, 538695	9
1441	3D Compressed Convolutional Neural Network Differentiates Neuromyelitis Optical Spectrum Disorders From Multiple Sclerosis Using Automated White Matter Hyperintensities Segmentations. 2020 , 11, 612928	3
1440	Depression and anxiety in patients with multiple sclerosis treated with interferon-beta or fingolimod: Role of indoleamine 2,3-dioxygenase and pro-inflammatory cytokines. 2020 , 9, 100162	Ο
1439	Fulminant inflammatory demyelination presenting as stroke-in-evolution in an elderly subject. 2021 , 11, e01967	1
1438	Validation of the Italian version of the Multiple Sclerosis Intimacy and Sexuality Questionnaire-19. 2021 , 42, 2903-2910	2
1437	The impact of lymphocytosis and CD4/CD8 ratio on the anti-JCV antibody index and clinical data in patients treated with natalizumab. 2021 , 42, 2847-2853	Ο
1436	Adherence to a healthy lifestyle and multiple sclerosis: a case-control study from the UK Biobank. 2020 , 1-9	2
1435	Short report: assessment of coping strategies in patients with neuromyelitis optica spectrum disorder (NMOSD) and multiple sclerosis. 2020 , 1-11	2
1434	Development, Spanish Normative Data, and Validation of a Social Cognition Battery in Prodromal Alzheimer's Disease and Multiple Sclerosis. 2021 , 36, 711-722	1
1433	Identification of regulatory T cell molecules associated with severity of multiple sclerosis. 2021 , 27, 1695-17	051
1432	Clinical significance of a single cerebrospinal fluid immunoglobulin band: A retrospective study. 2021 , 27, 1451-1454	2
1431	Assessing the effect of an evidence-based patient online educational tool for people with multiple sclerosis called UMIMS-understanding magnetic resonance imaging in multiple sclerosis: study protocol for a double-blind, randomized controlled trial. 2020 , 21, 1008	Ο
1430	Gray Matter Matters: A Longitudinal Magnetic Resonance Voxel-Based Morphometry Study of Primary Progressive Multiple Sclerosis. 2020 , 11, 581537	4
1429	The STING-IFN-EDependent Axis Is Markedly Low in Patients with Relapsing-Remitting Multiple Sclerosis. 2020 , 21,	4
1428	Altered PPARExpression Promotes Myelin-Induced Foam Cell Formation in Macrophages in Multiple Sclerosis. 2020 , 21,	2
1427	Double Filtration Plasmapheresis Treatment of Refractory Multiple Sclerosis Relapsed on Fingolimod: A Case Report. 2020 , 10, 7404	Ο

1426	Neurite Orientation Dispersion and Density Imaging for Assessing Acute Inflammation and Lesion Evolution in MS. 2020 , 41, 2219-2226	5
1425	Intrathecal Inflammation in Progressive Multiple Sclerosis. 2020 , 21,	14
1424	Real-world keystroke dynamics are a potentially valid biomarker for clinical disability in multiple sclerosis. 2021 , 27, 1421-1431	8
1423	A Single Session of Anodal Cerebellar Transcranial Direct Current Stimulation Does Not Induce Facilitation of Locomotor Consolidation in Patients With Multiple Sclerosis. 2020 , 14, 588671	Ο
1422	Effects of Transcranial Direct Current Stimulation on Information Processing Speed, Working Memory, Attention, and Social Cognition in Multiple Sclerosis. 2020 , 11, 545377	О
1421	Blood neurofilament light: a critical review of its application to neurologic disease. 2020 , 7, 2508-2523	39
1420	Seasonal variation of onset in patients with anti-aquaporin-4 antibodies and anti-myelin oligodendrocyte glycoprotein antibody. 2020 , 349, 577431	5
1419	LHON-MS - The overlaps in clinical and molecular features of both LHON and MS. 2020 , 45, 102322	O
1418	Clinical manifestations and imaging features of white matter demyelination in older patients. 2020 , 48, 300060520966806	1
1417	Treatment Patterns and Relapses Among Newly Treated Multiple Sclerosis Patients From a Retrospective Claims Analysis. 2020 , 42, 2136-2147.e3	1
1416	The Danger of Walking with Socks: Evidence from Kinematic Analysis in People with Progressive Multiple Sclerosis. 2020 , 20,	0
1415	Associations Between Findings From Myelin Water Imaging and Cognitive Performance Among Individuals With Multiple Sclerosis. 2020 , 3, e2014220	5
1414	Caffeic Acid Phenethyl Ester Protects against Experimental Autoimmune Encephalomyelitis by Regulating T Cell Activities. 2020 , 2020, 7274342	5
1413	Multiple Sklerose: Neuroinflammation und -degeneration Hand in Hand. 2020 , 2, 147-150	
1412	Peak width of skeletonized mean diffusivity (PSMD) and cognitive functions in relapsing-remitting multiple sclerosis. 2021 , 15, 2228-2233	3
1411	Acute vestibular syndrome and hearing loss mimicking labyrinthitis as initial presentation of multiple sclerosis. 2020 , 134, 110048	2
1410	Clinical predictivity of thalamic sub-regional connectivity in clinically isolated syndrome: a 7-year study. 2021 , 26, 2163-2174	4
1409	Deep-Learning Generated Synthetic Double Inversion Recovery Images Improve Multiple Sclerosis Lesion Detection. 2020 , 55, 318-323	25

1408 Update: White Matter Diseases with Radiologic-Pathologic Correlation. 2020 , 40, E4-E7	1
1407 Risk of MS relapse after yellow fever vaccination: A self-controlled case series. 2020 , 7,	13
1406 Rituximab, MS, and pregnancy. 2020 , 7,	32
Sensitivity of the Inhomogeneous Magnetization Transfer Imaging Technique to Spinal Cord Damage in Multiple Sclerosis. 2020 , 41, 929-937	3
Clinical Characteristics and Disability Progression of Early- and Late-Onset Multiple Sclerosis Compared to Adult-Onset Multiple Sclerosis. 2020 , 9,	28
Aggressive multiple sclerosis: a single-centre, real-world treatment experience with autologous haematopoietic stem cell transplantation and alemtuzumab. 2020 , 27, 2047-2055	8
Association Between Tumor Necrosis Factor Inhibitor Exposure and Inflammatory Central Nervous System Events. 2020 , 77, 937-946	37
1401 Navigating the TOR of Multiple Sclerosis. 2020 , 47, 435-436	
Clinically reliable cognitive decline in relapsing remitting multiple sclerosis: Is it the tip of the iceberg?. 2020 , 42, 575-586	5
Innate Immune System and Multiple Sclerosis. Granulocyte Numbers Are Reduced in Patients Affected by Relapsing-Remitting Multiple Sclerosis during the Remission Phase. 2020 , 9,	3
1398 Dietary interventions for multiple sclerosis-related outcomes. 2020 , 5, CD004192	6
Longitudinal Development of Peripapillary Hyper-Reflective Ovoid Masslike Structures Suggests a Novel Pathological Pathway in Multiple Sclerosis. 2020 , 88, 309-319	5
TAPAS: A Thresholding Approach for Probability Map Automatic Segmentation in Multiple Sclerosis. 2020 , 27, 102256	4
Comparison of brain atrophy in patients with multiple sclerosis treated with first-versus second-generation disease modifying therapy without clinical relapse. 2020 , 27, 2056-2061	1
The epidemiology of multiple sclerosis in the entre Douro e Vouga region of northern Portugal: a multisource population-based study. 2020 , 20, 195	5
Treatment Optimization in Multiple Sclerosis: Canadian MS Working Group Recommendations. 2020 , 47, 437-455	18
FCRL3 promotes IL-10 expression in B cells through the SHP-1 and p38 MAPK signaling pathways. 2020 , 44, 1811-1819	2
Neuroprotective effects of exercise in people with progressive multiple sclerosis (Exercise PRO-MS): study protocol of a phase II trial. 2020 , 20, 177	5

Single-cell RNA-seq analysis of human CSF microglia and myeloid cells in neuroinflam 7,	mation. 2020 ,
1389 High incidence and prevalence of MS in Mfe and Romsdal County, Norway, 1950-2018	3. 2020 , 7, 5
The contribution of enhancing lesions in monitoring multiple sclerosis treatment: is galways necessary?. 2020 , 267, 2642-2647	gadolinium 2
Changes in oxygen saturation and the retinal nerve fibre layer in patients with optic rassociated with multiple sclerosis in a 6-month follow-up. 2020 , 98, 841-847	neuritis 2
1386 The 2013 clinical course descriptors for multiple sclerosis: A clarification. 2020 , 94, 10	088-1092 37
Clinical implications of serum neurofilament in newly diagnosed MS patients: A longi multicentre cohort study. 2020 , 56, 102807	tudinal 30
Functional representation of the symbol digit modalities test in relapsing remitting n sclerosis. 2020 , 43, 102159	nultiple 1
1383 Validity of the McDonald criteria in predicting second events in multiple sclerosis. 20	20 , 43, 102223 1
Neurophysiological impairments in multiple sclerosis-Central and peripheral motor p 142, 401-417	athways. 2020 ,
1381 Incidence, prevalence and characteristics of MS in Sច Miguel, an island in the Atlantic	. 2020 , 44, 102254 o
1380 Analysis of soluble interleukin-2 receptor as CSF biomarker for neurosarcoidosis. 202	20 , 7, 6
Association of Individual-Level Factors With Visual Outcomes in Optic Neuritis: Secon of a Randomized Clinical Trial. 2020 , 3, e204339	ndary Analysis 2
1378 From Ball's concentric sclerosis to multiple sclerosis: a series of 6 patients. 2020 , 42, 1	102078 4
Cognitive reserve is a determinant of social and occupational attainment in patients and adult onset multiple sclerosis. 2020 , 42, 102145	with pediatric 2
1376 Epidemiology of multiple sclerosis in Santiago de Compostela (Spain). 2020 , 142, 267	·-274 4
1375 A case of pure bilateral horizontal gaze palsy due to multiple sclerosis. 2020 , 8, 215-2	217
The relationship between ANT1 and NFL with autophagy and mitophagy markers in p multiple sclerosis. 2020 , 78, 307-312	patients with 6
1373 Teriflunomide vs injectable disease modifying therapies for relapsing forms of MS. 2 0	020 , 43, 102158 ₂

1372	An overview of lipidomic analysis in different human matrices of multiple sclerosis. 2020 , 44, 102189	7
1371	Effect of hippotherapy on walking performance and gait parameters in people with multiple sclerosis. 2020 , 43, 102203	9
1370	Inflammation-related plasma and CSF biomarkers for multiple sclerosis. 2020 , 117, 12952-12960	39
1369	Pharmacological treatment for chronic central neuropathic pain in people with multiple sclerosis. 2020 ,	Ο
1368	Diagnosis and management of multiple sclerosis: MRI in clinical practice. 2020 , 267, 2917-2925	7
1367	Non-inflammatory causes of emergency consultation in patients with multiple sclerosis. 2021 , 36, 403-411	Ο
1366	Myelin oligodendrocyte glycoprotein-associated disorders are associated with HLA subtypes in a Chinese paediatric-onset cohort. 2020 , 91, 733-739	6
1365	Plasma neurofilament light levels are associated with risk of disability in multiple sclerosis. 2020 , 94, e2457-e2467	29
1364	The IN-DEEP project "INtegrating and Deriving Evidence, Experiences, Preferences": a web information model on magnetic resonance imaging for people with multiple sclerosis. 2020 , 267, 2421-2431	1
1363	BOLD signal within and around white matter lesions distinguishes multiple sclerosis and non-specific white matter disease: a three-dimensional approach. 2020 , 267, 2888-2896	3
1362	Decreased second to fourth digit ratios in female multiple sclerosis patients. 2020 , 144, 105039	1
1361	Promises and Limitations of Neural Stem Cell Therapies for Progressive Multiple Sclerosis. 2020 , 26, 898-912	17
1360	Machine Learning and Multiparametric Brain MRI to Differentiate Hereditary Diffuse Leukodystrophy with Spheroids from Multiple Sclerosis. 2020 , 30, 674-682	7
1359	Different Exosomal microRNA Profile in Aquaporin-4 Antibody Positive Neuromyelitis Optica Spectrum Disorders. 2020 , 11, 1064	4
1358	Spinal Cord Involvement in MS and Other Demyelinating Diseases. 2020, 8,	7
1357	Plasma Exchange or Immunoadsorption in Demyelinating Diseases: A Meta-Analysis. 2020 , 9,	10
1356	Changes in multiple sclerosis epidemiology in Finland over five decades. 2020 , 142, 200-209	3
1355	Diagnostic accuracy of intrathecal kappa free light chains compared with OCBs in MS. 2020, 7,	11

1354 Siponimod for multiple sclerosis. 2020 ,	1
Cerebrospinal fluid oligoclonal IgM test in routine practice: Comparison with quantitative assessment of intrathecal IgM synthesis. 2020 , 508, 137-145	ve 4
1352 Do you believe in Gad?. 2020 , 44, 102299	O
1351 Molecular Biomarkers in the Cerebrospinal Fluid in Multiple Sclerosis. 2020 , 50, 527-533	1
1350 Unilateral Optic Neuritis in Children: Experience of a Tertiary Centre. 2020 , 83, 251-258	O
Free light chain kappa and the polyspecific immune response in MS and CIS - Application hyperbolic reference range for most reliable data interpretation. 2020 , 346, 577287	n of the 8
Multiple sclerosis lesions in motor tracts from brain to cervical cord: spatial distribution correlation with disability. 2020 , 143, 2089-2105	and 17
Clinical Relevance of Multiparametric MRI Assessment of Cervical Cord Damage in Mult Sclerosis. 2020 , 296, 605-615	iple 12
An investigation of knee position sense, balance, and dual task performance in different menstrual cycle in females with multiple sclerosis: a pilot study. 2020 , 44, 102235	t phases of
1345 Optic neuropathy: A 15-year retrospective observational study. 2020 , 44, 102337	1
Epidemiology of pediatric multiple sclerosis: A systematic literature review and meta-ar , 44, 102260	nalysis. 2020
1343 Conversion of clinically isolated syndrome to multiple sclerosis: a prospective study. 20 7	20 , 44, 102262 4
Clinical implication of serum biomarkers and patient age in inflammatory demyelinating 2020 , 7, 992-1001	g diseases.
1341 Analysis of MRI Data in Diagnostic Neuroradiology. 2020 , 3, 365-390	2
1340 Multiple sclerosis 2017 McDonald criteria are also relevant for Tunisians. 2020 , 43, 1021	2
1339 A Scope of the Social Brain in Multiple Sclerosis: Insights From Neuroimaging Studies. 2 0	020 , 33, 90-102 5
1338 Gadolinium should always be used to assess disease activity in MS - Yes. 2020 , 26, 765-7	66 4
Stress cardiomyopathy associated with the first manifestation of multiple sclerosis: a ca 2020 , 20, 227	ase report.

1336	Early diagnosis of secondary progressive multiple sclerosis: focus on fluid and neurophysiological biomarkers. 2021 , 268, 3626-3645	3
1335	Cognitive Fatigability is Independent of Subjective Cognitive Fatigue and Mood in Multiple Sclerosis. 2020 , 33, 113-121	3
1334	Influence of physical activity on serum vitamin D levels in people with multiple sclerosis. 2020 , 15, e0234333	2
1333	Visualizing the Central Nervous System: Imaging Tools for Multiple Sclerosis and Neuromyelitis Optica Spectrum Disorders. 2020 , 11, 450	15
1332	Potential COVID-19 infection in patients with severe multiple sclerosis treated with alemtuzumab. 2020 , 44, 102297	21
1331	Real world application of ocrelizumab in multiple sclerosis: Single-center experience of 128 patients. 2020 , 415, 116973	11
1330	The CSF Levels of Neutrophil-Related Chemokines in Patients with Neuromyelitis Optica. 2020 , 7, 1245-1251	2
1329	CSF microRNAs discriminate MS activity and share similarity to other neuroinflammatory disorders. 2020 , 7,	8
1328	Erythrocyte microRNAs show biomarker potential and implicate multiple sclerosis susceptibility genes. 2020 , 10, 74-90	3
1327	An Overground Robotic Gait Training Program for People With Multiple Sclerosis: A Protocol for a Randomized Clinical Trial. 2020 , 7, 238	4
1326	Prognostic models for predicting clinical disease progression, worsening and activity in people with multiple sclerosis. 2020 ,	1
1325	Texture analysis in susceptibility-weighted imaging may be useful to differentiate acute from chronic multiple sclerosis lesions. 2020 , 30, 6348-6356	6
1324	Impaired cognition is related to microstructural integrity in relapsing remitting multiple sclerosis. 2020 , 7, 1193-1203	5
1323	First case of SARS-COV-2 sequencing in cerebrospinal fluid of a patient with suspected demyelinating disease. 2020 , 267, 3154-3156	78
1322	Acoustic Speech Analytics Are Predictive of Cerebellar Dysfunction in Multiple Sclerosis. 2020 , 19, 691-700	8
1321	Anxiety in Argentinian patients with multiple sclerosis: Prevalence and associated factors. 2020 , 41, 102042	2
1320	Evaluating the feasibility and preliminary efficacy of a Cognitive Occupation-Based programme for people with Multiple Sclerosis (COB-MS): protocol for a feasibility cluster-randomised controlled trial. 2020 , 21, 269	6
1319	The GPR17 Receptor-A Promising Goal for Therapy and a Potential Marker of the Neurodegenerative Process in Multiple Sclerosis. 2020 , 21,	5

1318	Corticospinal inhibition and alexithymia in multiple sclerosis patients-An exploratory study. 2020 , 41, 102039	1
1317	Detection of central vein should be part of MS diagnostic criteria - No. 2020 , 26, 407-408	1
1316	Degree of microstructural changes within T1-SE versus T1-GE hypointense lesions in multiple sclerosis: relevance for the definition of "black holes". 2020 , 30, 3843-3851	2
1315	Intrathecal IgM as a Prognostic Marker in Multiple Sclerosis. 2020 , 24, 263-277	5
1314	What role should spinal cord MRI take in the future of multiple sclerosis surveillance?. 2020 , 20, 783-797	6
1313	Detection of central vein should be part of MS diagnostic criteria - Commentary. 2020 , 26, 409-410	1
1312	Primary progressive multiple sclerosis presenting under the age of 18 years: Fact or fiction?. 2021 , 27, 309-314	4
1311	Central vein sign for multiple sclerosis: A systematic review and meta-analysis. 2020 , 75, 479.e9-479.e15	5
1310	Generation of a Model to Predict Differentiation and Migration of Lymphocyte Subsets under Homeostatic and CNS Autoinflammatory Conditions. 2020 , 21,	1
1309	Epidemiology of multiple sclerosis in Central Europe, update from Hungary. 2020 , 10, e01598	4
1308	Targeted resequencing reveals rare variants enrichment in multiple sclerosis susceptibility genes. 2020 , 41, 1308-1320	O
1307	Deciphering the neural underpinnings of alexithymia in multiple sclerosis. 2020 , 725, 134894	6
1306	Wide Cytokine Analysis in Cerebrospinal Fluid at Diagnosis Identified CCL-3 as a Possible Prognostic Factor for Multiple Sclerosis. 2020 , 11, 174	3
1305	Brain magnetic resonance imaging features in multiple sclerosis and neuromyelitis optica spectrum disorders patients with or without aquaporin-4 antibody in a Latin American population. 2020 , 42, 102049	2
1304	Effects of Transcranial Direct Current Stimulation on Hand Dexterity in Multiple Sclerosis: A Design for a Randomized Controlled Trial. 2020 , 10,	1
1303	A validated UHPLC-MS method for tryptophan metabolites: Application in the diagnosis of multiple sclerosis. 2020 , 185, 113246	14
1302	First therapy choice in newly diagnosed Multiple Sclerosis patients: A multicenter Italian study. 2020 , 42, 102059	4
1301	Multi-Platform Characterization of Cerebrospinal Fluid and Serum Metabolome of Patients Affected by Relapsing-Remitting and Primary Progressive Multiple Sclerosis. 2020 , 9,	12

1300 Primary lateral sclerosis: diagnosis and management. 2020 , 20, 262-269	8
Serum levels of Homocysteine, Vitamin B12 and Folate in Patients with Multiple Scle Updated Meta-Analysis. 2020 , 17, 751-761	erosis: an
Race, ethnicity, and cognition in persons newly diagnosed with multiple sclerosis. 20	20 , 94, e1548-e1556 8
Recent Advances in Smart Biomaterials for the Detection and Treatment of Autoimm 2020 , 30, 1909556	nune Diseases. 7
Bifrontal transcranial direct current stimulation modulates fatigue in multiple sclero randomized sham-controlled study. 2020 , 127, 953-961	sis: a
Acute Disseminated Encephalomyelitis followed by Optic Neuritis: A Rare Syndrome Treatment and Prognosis. 2020 , 51, 286-291	of Uncertain 4
Challenges in multiple sclerosis diagnosis: Misunderstanding and misapplication of the criteria. 2021 , 27, 250-258	he McDonald
Refractory case of myelin oligodendrocyte glycoprotein antibody-associated enceph with lumbosacral radiculitis. 2020 , 11, 126-130	nalomyelitis 3
Resting-State Functional Correlates of Social Cognition in Multiple Sclerosis: An Expl 2019 , 13, 276	lorative Study.
CVSnet: A machine learning approach for automated central vein sign assessment in sclerosis. 2020 , 33, e4283	multiple 18
	18
sclerosis. 2020 , 33, e4283 Cost-Effectiveness Analysis of Cannabinoid Oromucosal Spray Use for the Manageme	ent of 2
sclerosis. 2020 , 33, e4283 Cost-Effectiveness Analysis of Cannabinoid Oromucosal Spray Use for the Manageme Spasticity in Subjects with Multiple Sclerosis. 2020 , 40, 319-326 Risk HLA-DRB1 alleles differentially influence brain and lesion volumes in Japanese p	ent of 2 patients with
sclerosis. 2020 , 33, e4283 Cost-Effectiveness Analysis of Cannabinoid Oromucosal Spray Use for the Manageme Spasticity in Subjects with Multiple Sclerosis. 2020 , 40, 319-326 Risk HLA-DRB1 alleles differentially influence brain and lesion volumes in Japanese pultiple sclerosis. 2020 , 413, 116768	ent of 2 patients with , 120 8
cost-Effectiveness Analysis of Cannabinoid Oromucosal Spray Use for the Manageme Spasticity in Subjects with Multiple Sclerosis. 2020, 40, 319-326 Risk HLA-DRB1 alleles differentially influence brain and lesion volumes in Japanese pultiple sclerosis. 2020, 413, 116768 IL-6 in the Cerebrospinal Fluid Signals Disease Activity in Multiple Sclerosis. 2020, 14, 287 Effects of Teriflunomide on B Cell Subsets in MuSK-Induced Experimental Autoimmunications.	ent of 2 patients with 8 June Myasthenia 3
Cost-Effectiveness Analysis of Cannabinoid Oromucosal Spray Use for the Management Spasticity in Subjects with Multiple Sclerosis. 2020, 40, 319-326 Risk HLA-DRB1 alleles differentially influence brain and lesion volumes in Japanese pultiple sclerosis. 2020, 413, 116768 IL-6 in the Cerebrospinal Fluid Signals Disease Activity in Multiple Sclerosis. 2020, 14, 1287 Effects of Teriflunomide on B Cell Subsets in MuSK-Induced Experimental Autoimmultures and Multiple Sclerosis. 2021, 50, 671-684 Low Seroprevalence of Lyme Disease Among Multiple Sclerosis Patients in New Brun	ent of 2 patients with 8 une Myasthenia 3 nswick. 2020,
1290 Cost-Effectiveness Analysis of Cannabinoid Oromucosal Spray Use for the Manageme Spasticity in Subjects with Multiple Sclerosis. 2020, 40, 319-326 Risk HLA-DRB1 alleles differentially influence brain and lesion volumes in Japanese multiple sclerosis. 2020, 413, 116768 1288 IL-6 in the Cerebrospinal Fluid Signals Disease Activity in Multiple Sclerosis. 2020, 14, 1287 Effects of Teriflunomide on B Cell Subsets in MuSK-Induced Experimental Autoimmu Gravis and Multiple Sclerosis. 2021, 50, 671-684 Low Seroprevalence of Lyme Disease Among Multiple Sclerosis Patients in New Brund 47, 842-844 Optical coherence tomography measures correlate with brain and spinal cord atroph	ent of patients with , 120 8 une Myasthenia 3 nswick. 2020, ny and multiple 6

1282	Peripapillary Vessel Density as Early Biomarker in Multiple Sclerosis. 2020 , 11, 542	14
1281	Patients' perspective and usability of innovation technology in a new rehabilitation pathway: An exploratory study in patients with multiple sclerosis. 2020 , 44, 102312	18
1280	Real-World Results of Ocrelizumab Treatment for Primary Progressive Multiple Sclerosis. 2020 , 2020, 5463451	6
1279	Support vectors machine-based model for diagnosis of multiple sclerosis using the plasma levels of selenium, vitamin B12, and vitamin D3. 2020 , 20, 100382	1
1278	Highly sensitive quantification of optic neuritis intrathecal biomarker CXCL13. 2020 , 44, 102281	O
1277	Relapsing Demyelinating Syndromes in Children: A Practical Review of Neuroradiological Mimics. 2020 , 11, 627	3
1276	Metabolic syndrome components and disease disability in egyptian multiple sclerosis patients. 2020 , 44, 102336	4
1275	The retirement rate due to multiple sclerosis has decreased since 1995- A retrospective study in a Finnish central hospital. 2020 , 45, 102360	3
1274	A 67-year-old man with facial droop, ataxia and vertigo. 2020 , 192, E626-E629	2
1273	Impact of multiple sclerosis risk loci in postinfectious neurological syndromes. 2020 , 44, 102326	1
1272	Saliva immunoglobulin free light chain analysis for monitoring disease activity and response to treatment in multiple sclerosis. 2020 , 44, 102339	5
1271	Kappa Free Light Chains and IgG Combined in a Novel Algorithm for the Detection of Multiple Sclerosis. 2020 , 10,	5
1270	The Impact of Reproductive Issues on Preferences of Women with Relapsing Multiple Sclerosis for Disease-Modifying Treatments. 2020 , 13, 583-597	3
1269	Thalamic atrophy correlates with dysfunctional impulsivity in multiple sclerosis. 2020 , 44, 102374	O
1268	Cerebrospinal Fluid Testing for Multiple Sclerosis. 2020 , 40, 369-377	1
1267	Serum GFAP in multiple sclerosis: correlation with disease type and MRI markers of disease severity. 2020 , 10, 10923	17
1266	A new paraplegin mutation in a patient with primary progressive multiple sclerosis. 2020 , 44, 102302	1
1265	Image Domain Transfer by Deep Learning is Feasible in Multiple Sclerosis Clinical Practice. 2020 , 55, 324-325	2

1264	Cell-based assays for the detection of MOG antibodies: a comparative study. 2020 , 267, 3555-3564	14
1263	Multiple sclerosis with intractable vomiting and atypical area postrema lesion. 2020 , 45, 102348	2
1262	Unsuspected Alzheimer disease in a patient with Multiple sclerosis and progressive aphasia. 2020 , 45, 102349	
1261	Immunoadsorption and Plasma Exchange in Seropositive and Seronegative Immune-Mediated Neuropathies. 2020 , 9,	7
1260	Lymphocytic colitis in the setting of teriflunomide use for relapsing multiple sclerosis. 2020 , 26, 1801-1803	5
1259	The diagnostic value of IgG index versus oligoclonal bands in cerebrospinal fluid of patients with multiple sclerosis. 2020 , 6, 2055217319901291	7
1258	Oligoclonal IgG antibodies in multiple sclerosis target patient-specific peptides. 2020 , 15, e0228883	15
1257	Family planning is the second most relevant factor for treatment decisions after disease activity - Yes. 2020 , 26, 640-641	2
1256	Prognostic role of intrathecal IgM synthesis in multiple sclerosis: Results from a clinical series. 2021 , 27, 198-207	4
1255	MAGNIMS consensus recommendations on the use of brain and spinal cord atrophy measures in clinical practice. 2020 , 16, 171-182	68
1254	T Helper Cells: The Modulators of Inflammation in Multiple Sclerosis. 2020 , 9,	51
1253	Cladribine for people with multiple sclerosis. 2020 ,	78
1252	Disrupted principal network organisation in multiple sclerosis relates to disability. 2020 , 10, 3620	2
1251	MRI features associated with rapid disease activity in clinically isolated syndrome patients at high risk for multiple sclerosis. 2020 , 41, 101985	
1250	Position Sense Deficits at the Lower Limbs in Early Multiple Sclerosis: Clinical and Neural Correlates. 2020 , 34, 260-270	5
1249	Non-compliance with disease modifying therapies in patients with Multiple Sclerosis: A qualitative analysis. 2020 , 41, 102016	1
1248	Multiple sclerosis prevalence in Santa Fe province, Argentina. 2020 , 41, 102006	3
1247	Generalized chorea associated with subcortical leukoaraiosis of Binswanger type: a´case report. 2020 , 10, 9-13	

1246	Toward an automatic tool for oligoclonal band detection in cerebrospinal fluid and tears for multiple sclerosis diagnosis: lane segmentation based on a ribbon univariate open active contour. 2020 , 58, 967-976	0
1245	Understanding the Radiologist's Role in Evaluating Multiple Sclerosis: A Review of the Tip of the Iceberg. 2020 , 41, 275-283	
1244	Natural killer cells in multiple sclerosis: A review. 2020 , 222, 1-11	20
1243	Typique, atypique, vous avez dit nîrite optique?. 2020 , 11, 77-83	
1242	Associations of paediatric demyelinating and encephalitic syndromes with myelin oligodendrocyte glycoprotein antibodies: a multicentre observational study. <i>Lancet Neurology, The</i> , 2020 , 19, 234-246	86
1241	Does the multiple sclerosis (MS) map need to change again? An update of MS prevalence in Mazandaran province of Iran in 2018. 2020 , 20, 52	5
1240	SWAN-Venule: An Optimized MRI Technique to Detect the Central Vein Sign in MS Plaques. 2020 , 41, 456-460	5
1239	White Matter Diseases. 2020 ,	1
1238	MOG encephalomyelitis: distinct clinical, MRI and CSF features in patients with longitudinal extensive transverse myelitis as first clinical presentation. 2020 , 267, 1632-1642	17
1237	Multiple Sclerosis Presenting as an Anterior Semicircular Canal Benign Paroxysmal Positional Vertigo: Case Report. 2021 , 100, 636S-640S	1
1236	Polypharmacy among patients with multiple sclerosis: a qualitative systematic review. 2020 , 19, 139-145	17
1235	Imaging Biomarkers of Alzheimer Disease in Multiple Sclerosis. 2020 , 87, 556-567	11
1234	Nanoimmunosensor based on atomic force spectroscopy to detect anti-myelin basic protein related to early-stage multiple sclerosis. 2020 , 211, 112946	2
1233	Antibody signatures in patients with histopathologically defined multiple sclerosis patterns. 2020 , 139, 547-564	8
1232	Integrated single cell analysis of blood and cerebrospinal fluid leukocytes in multiple sclerosis. 2020 , 11, 247	110
1231	Clinical Use of [Free Light Chains Index as a Screening Test for Multiple Sclerosis. 2020 , 51, 402-407	10
1230	New MRI lesions and topography at 6 months of treatment initiation and disease activity during follow up in relapsing remitting multiple sclerosis patients. 2020 , 42, 148-152	2
1229	Anti-CD20 Monoclonal Antibodies for Relapsing and Progressive Multiple Sclerosis. 2020 , 34, 269-280	25

1228 Minimal evidence of disease activity (MEDA) in relapsing-remitting	multiple sclerosis. 2020 , 91, 271-277 9	
Relationship between sensory processing patterns, trait anxiety, ar in multiple sclerosis. 2021 , 26, 2106-2117	nd health-related quality of life	
Associations of serum 25(OH) vitamin D levels with clinical and radi sclerosis, a systematic review and meta-analysis. 2020 , 411, 116668		
Differential white and gray matter damage in highly active multiple study. 2020 , 74, 65-68	e sclerosis: A prospective cohort	
Multiple sclerosis and neuromyelitis optica spectrum disorders in A data from the Argentinean MS Registry (RelevarEM). 2020 , 41, 1513		
1223 Why do multiple sclerosis and migraine coexist?. 2020 , 40, 101946	3	
1222 Clinically isolated syndrome, oligoclonal bands and multiple scleros	sis. 2020 , 11, 33-39	
1221 New imaging approaches for precision diagnosis and disease stagin	ng of MS?. 2020 , 26, 568-575 4	
1220 Metabolomics in multiple sclerosis disease course and progression.	2020 , 26, 591-598 14	
PPMS onset upon adalimumab treatment extends the spectrum of demyelinating disorders. 2020 , 13, 1756286419895155	anti-TNF-Etherapy-associated 9	
1218 CHIT1 at Diagnosis Reflects Long-Term Multiple Sclerosis Disease A	Activity. 2020 , 87, 633-645	
Multiple sclerosis as differential diagnosis of radionecrosis for post report. 2020 , 21, 44-48	-irradiation brain lesions: A case	
Application of the 2017 McDonald criteria in a Chinese population v 2020 , 13, 1756286419898083	with clinically isolated syndrome.	
Short segment myelitis as the initial and only manifestation of aqua G-positive neuromyelitis optica spectrum disorders. 2020 , 13, 1756		
Autoantibody Diagnostics in Neuroimmunology: Experience From t Neuroimmunology Association External Quality Assessment Progra		
Optimization of spectral domain optical coherence tomography and identify unilateral optic neuritis. 2020 , 41, 101988	d visual evoked potentials to 4	
New OFSEP recommendations for MRI assessment of multiple scler consideration for gadolinium deposition and frequent acquisitions.		
1211 RIC3, the cholinergic anti-inflammatory pathway, and neuroinflamn	nation. 2020 , 83, 106381 7	

121 0	Finding the right balance with participation in exercise and sport for individuals with multiple sclerosis: protocol for a pre and post intervention feasibility study. 2020 , 10, e035378	1
1209	Expansion of Neutrophils and Classical and Nonclassical Monocytes as a Hallmark in Relapsing-Remitting Multiple Sclerosis. 2020 , 11, 594	13
1208	Association Between Fatigue and Motor Exertion in Patients With Multiple Sclerosis-a Prospective Study. 2020 , 11, 208	8
1207	Diagnostic value of kappa free light chains in patients with one isolated band in isoelectric focusing. 2020 , 507, 205-209	5
1206	Evidence of retinal anterograde neurodegeneration in the very early stages of multiple sclerosis: a longitudinal OCT study. 2020 , 41, 3175-3183	5
1205	A novel neurodegenerative spectrum disorder in patients with MLKL deficiency. 2020 , 11, 303	7
1204	Current Advances in Pediatric Onset Multiple Sclerosis. 2020 , 8,	8
1203	Possible clinical role of MOG antibody testing in children presenting with acute neurological symptoms. 2020 , 41, 2553-2559	2
1202	Dietary influence on central nervous system myelin production, injury, and regeneration. 2020 , 1866, 165779	9
1201	Should spinal cord MRI be systematically performed for diagnosis and follow-up of multiple sclerosis? No. 2020 , 176, 485-486	
12 00	[Multiple sclerosis and immuno-modulators of sphingosine 1-phosphate receptors]. 2020 , 36, 243-252	1
1199	Effect of Eccentric Strength Training on Elbow Flexor Spasticity and Muscle Weakness in People With Multiple Sclerosis: Proof-of-Concept Single-System Case Series. 2020 , 100, 1142-1152	3
1198	Activated monocytes and markers of inflammation in newly diagnosed multiple sclerosis. 2020 , 98, 549-562	5
1197	Reduced Global Efficiency and Random Network Features in Patients with Relapsing-Remitting Multiple Sclerosis with Cognitive Impairment. 2020 , 41, 449-455	5
1196	Alemtuzumab for relapsing multiple sclerosis in clinical practice: A four-year retrospective one-center study. 2020 , 31, 259-265	2
1195	Microbiome in Multiple Sclerosis; Where Are We, What We Know and Do Not Know. 2020 , 10,	22
1194	Cerebrospinal Fluid Neurofilament Light Chain Is Associated with Kynurenine Pathway Metabolite Changes in Multiple Sclerosis. 2020 , 21,	14
1193	Is Initial Misdiagnosis Associated with Reaching Disability Milestones in Patients with Multiple Sclerosis?. 2020 , 56,	1

Diagnostic and therapeutic issues of inflammatory diseases of the elderly. 2020 , 176, 739-749	1
Light therapy for multiple sclerosis-associated fatigue: a randomized, controlled phase II trial. 2020 , 267, 2319-2327	2
1190 Diagnostic revisions in multiple sclerosis. 2020 , 11, 171-175	1
S1 guidelines "lumbar puncture and cerebrospinal fluid analysis" (abridged and translated version). 2020, 2, 8	5
A unique thymus-derived regulatory T cell subset associated with systemic lupus erythematosus. 2020 , 22, 88	9
Glucocorticoid receptor mutations and clinical sensitivity to glucocorticoid in Chinese multiple sclerosis patients. 2020 , 41, 2767-2771	
Effectiveness of fingolimod in real-world relapsing-remitting multiple sclerosis Italian patients: the GENIUS study. 2020 , 41, 2843-2851	4
Determining the effectiveness of early intensive versus escalation approaches for the treatment of relapsing-remitting multiple sclerosis: The DELIVER-MS study protocol. 2020 , 95, 106009	9
Successful disease control with alemtuzumab in MOG-IgG-associated demyelinating disease with MS-phenotype. 2020 , 42, 102108	1
Deep learning with diffusion basis spectrum imaging for classification of multiple sclerosis lesions.	
2020, 7, 695-706	18
	3
2020, 7, 695-706 Spectrum of anti-myelin oligodendrocyte glycoprotein antibody (MOG-Ab)-associated diseases: an	
2020, 7, 695-706 Spectrum of anti-myelin oligodendrocyte glycoprotein antibody (MOG-Ab)-associated diseases: an Indian perspective. 2021, 121, 927-931	3
2020, 7, 695-706 Spectrum of anti-myelin oligodendrocyte glycoprotein antibody (MOG-Ab)-associated diseases: an Indian perspective. 2021, 121, 927-931 Reliability of gait and dual-task measures in multiple sclerosis. 2020, 78, 19-25 Deep DNA metagenomic sequencing reveals oral microbiome divergence between monozygotic	3
Spectrum of anti-myelin oligodendrocyte glycoprotein antibody (MOG-Ab)-associated diseases: an Indian perspective. 2021, 121, 927-931 Reliability of gait and dual-task measures in multiple sclerosis. 2020, 78, 19-25 Deep DNA metagenomic sequencing reveals oral microbiome divergence between monozygotic twins discordant for multiple sclerosis severity. 2020, 343, 577237 Application of the 2017 McDonald criteria for the diagnosis of multiple sclerosis after a first	3 4 2
Spectrum of anti-myelin oligodendrocyte glycoprotein antibody (MOG-Ab)-associated diseases: an Indian perspective. 2021, 121, 927-931 Reliability of gait and dual-task measures in multiple sclerosis. 2020, 78, 19-25 Deep DNA metagenomic sequencing reveals oral microbiome divergence between monozygotic twins discordant for multiple sclerosis severity. 2020, 343, 577237 Application of the 2017 McDonald criteria for the diagnosis of multiple sclerosis after a first demyelinating event in patients from Argentina. 2020, 41, 102043	3 4 2
2020, 7, 695-706 Spectrum of anti-myelin oligodendrocyte glycoprotein antibody (MOG-Ab)-associated diseases: an Indian perspective. 2021, 121, 927-931 Reliability of gait and dual-task measures in multiple sclerosis. 2020, 78, 19-25 Deep DNA metagenomic sequencing reveals oral microbiome divergence between monozygotic twins discordant for multiple sclerosis severity. 2020, 343, 577237 Application of the 2017 McDonald criteria for the diagnosis of multiple sclerosis after a first demyelinating event in patients from Argentina. 2020, 41, 102043 Multiple Sclerosis in Children: Current and Emerging Concepts. 2020, 40, 192-200 MRI biomarkers of disease progression and conversion to secondary-progressive multiple sclerosis.	3 4 2 2

1174	Neurofilament levels are associated with blood-brain barrier integrity, lymphocyte extravasation, and risk factors following the first demyelinating event in multiple sclerosis. 2021 , 27, 220-231	24
1173	Association of intrathecal pleocytosis and IgG synthesis with axonal damage in early MS. 2020 , 7,	9
1172	Monitoring of radiologic disease activity by serum neurofilaments in MS. 2020, 7,	16
1171	Number of MRI T1-hypointensity corrected by T2/FLAIR lesion volume indicates clinical severity in patients with multiple sclerosis. 2020 , 15, e0231225	2
1170	The Impact of Immunomodulatory Treatment on Kappa Free Light Chains as Biomarker in Neuroinflammation. 2020 , 9,	9
1169	Five- and seven-year prognostic value of new effectiveness measures (NEDA, MEDA and six-month delayed NEDA) in relapsing-remitting multiple sclerosis. 2020 , 414, 116827	3
1168	The proportion of myeloid-derived suppressor cells in the spleen is related to the severity of the clinical course and tissue damage extent in a murine model of multiple sclerosis. 2020 , 140, 104869	9
1167	The nervous system in systemic lupus erythematosus. 2021 , 469-478	
1166	Astrocyte metabolism in multiple sclerosis investigated by 1-C-11 acetate PET. 2021 , 41, 369-379	3
1165	Diagnostic value of bright spotty lesions on MRI after a first episode of acute myelopathy. 2021 , 48, 28-36	12
1164	Critical spinal cord lesions associate with secondary progressive motor impairment in long-standing MS: A population-based case-control study. 2021 , 27, 667-673	2
1163	Hippocampal volume is more related to patient-reported memory than objective memory performance in early multiple sclerosis. 2021 , 27, 568-578	1
1162	Diagnostic uncertainty during the transition to secondary progressive multiple sclerosis: Multicenter study in Argentina. 2021 , 27, 579-584	3
1161	Predictive value of optical coherence tomography, multifocal visual evoked potentials, and full-field visual evoked potentials of the fellow, non-symptomatic eye for subsequent multiple sclerosis development in patients with acute optic neuritis. 2021 , 27, 391-400	4
1160	Disability outcomes of early cerebellar and brainstem symptoms in multiple sclerosis. 2021 , 27, 755-766	3
1159	Ongoing microstructural changes in the cervical cord underpin disability progression in early primary progressive multiple sclerosis. 2021 , 27, 28-38	8
1158	Spinal cord and brain MRI should be routinely performed during follow-up in patients with NMOSD - No. 2021 , 27, 15-16	2
1157	Classic Imaging Signs. 2021 ,	

1156	Limited Utility of Gadolinium Contrast Administration in Routine Multiple Sclerosis Surveillance. 2021 , 31, 103-107	1
1155	Classifying multiple sclerosis patients on the basis of SDMT performance using machine learning. 2021 , 27, 107-116	4
1154	Effects of Virtual Reality vs Conventional Balance Training on Balance and Falls in People With Multiple Sclerosis: A Randomized Controlled Trial. 2021 , 102, 290-299	16
1153	The role of pontine lesion location in differentiating multiple sclerosis from vascular risk factor-related small vessel disease. 2021 , 27, 968-972	2
1152	First-ever treatment in multiple sclerosis. 2021 , 177, 93-99	
1151	Frequency and characteristics of dysautonomic symptoms in multiple sclerosis: a cross-sectional double-center study with the validated Italian version of the Composite Autonomic Symptom Score-31. 2021 , 42, 1395-1403	4
1150	Psychological consequences of COVID-19 pandemic in Italian MS patients: signs of resilience?. 2021 , 268, 743-750	43
1149	Spatial navigation in early multiple sclerosis: a neglected cognitive marker of the disease?. 2021 , 268, 77-89	Ο
1148	French validation of the Brief International Cognitive Assessment for Multiple Sclerosis. 2021 , 177, 73-79	5
1147	Mapping white matter damage distribution in neuromyelitis optica spectrum disorders with a multimodal MRI approach. 2021 , 27, 841-854	8
1146	Onset of progressive motor impairment in patients with critical central nervous system demyelinating lesions. 2021 , 27, 895-902	1
1145	Revised McDonald Criteria, MAGNIMS Consensus and Other Relevant Guidelines for Diagnosis and Follow Up of MS: What Radiologists Need to Know?. 2021 , 50, 389-400	O
1144	Imaging in Pediatric Multiple Sclerosis : An Iconographic Review. 2021 , 31, 61-71	
1143	Evaluation of brain and spinal cord lesion distribution criteria at disease onset in distinguishing NMOSD from MS and MOG antibody-associated disorder. 2021 , 27, 871-882	7
1142	Measurement of white matter fiber-bundle cross-section in multiple sclerosis using diffusion-weighted imaging. 2021 , 27, 818-826	9
1141	Imaging Butyrylcholinesterase in Multiple Sclerosis. 2021 , 23, 127-138	2
1140	Estimation of Multiple Sclerosis lesion age on magnetic resonance imaging. 2021 , 225, 117451	4
1139	Acute and subacute myelopathy. 2021 , 177, 557-566	1

1138	Speech metrics, general disability, brain imaging and quality of life in multiple sclerosis. 2021 , 28, 259-268	2
1137	Elevated IL-38 Serum Levels in Newly Diagnosed Multiple Sclerosis and Systemic Sclerosis Patients. 2021 , 30, 146-153	3
1136	The course of multiple sclerosis rewritten: a Norwegian population-based study on disease demographics and progression. 2021 , 268, 1330-1341	8
1135	Developmental venous anomalies in patients with multiple sclerosis: is that a coincidence or an ancillary finding?. 2021 , 42, 2453-2460	1
1134	Prognostic value of spinal cord MRI in multiple sclerosis patients. 2021 , 177, 571-581	2
1133	Impaired consolidation of visuomotor adaptation in patients with multiple sclerosis. 2021, 28, 884-892	3
1132	'Posture second' strategy predicts disability progression in multiple sclerosis. 2021 , 27, 1140-1144	
1131	Productivity Loss and Associated Costs Among Employed Patients Receiving Disease-Modifying Treatment for Multiple Sclerosis. 2021 , 5, 23-34	O
1130	Coping strategies used by patients with relapsing multiple sclerosis from Argentina: correlation with quality of life and clinical features. 2021 , 43, 126-132	3
1129	Early red nucleus atrophy in relapse-onset multiple sclerosis. 2021 , 42, 154-160	1
1128	Serum phospholipidomics reveals altered lipid profile and promising biomarkers in multiple sclerosis. 2021 , 697, 108672	9
1127	Exercise-induced changes in gait kinematics in multiple sclerosis with minimal neurological disability. 2021 , 47, 102630	2
1126	Polymorphisms in proinflammatory cytokines genes and susceptibility to Multiple Sclerosis. 2021 , 47, 102654	О
1125	Retinal asymmetry in multiple sclerosis. 2021 , 144, 224-235	4
1124	Cerebrospinal Fluid Features in Patients With Coronavirus Disease 2019 and Neurological Manifestations: Correlation with Brain Magnetic Resonance Imaging Findings in 58 Patients. 2021 , 223, 600-609	23
1123	Current and emerging disease-modulatory therapies and treatment targets for multiple sclerosis. 2021 , 289, 771-791	16
1122	Integration of the Extreme Gradient Boosting model with electronic health records to enable the early diagnosis of multiple sclerosis. 2021 , 47, 102632	2
1121	MRI signs of CNS demyelinating diseases. 2021 , 47, 102665	3

Quantifying cognition and fatigue to enhance the sensitivity of the EDSS during relapses. **2021**, 27, 1077-1087 3

Overlapping central and peripheral nervous system syndromes in MOG antibody-associated disorders. 2021, 8, MR Diffusion Properties of Cervical Spinal Cord as a Predictor of Progression to Multiple Sclerosis in Patients with Clinically Isolated Syndrome. 2021, 31, 108-114 In Vivo Proton Exchange Rate (k) MRI for the Characterization of Multiple Sclerosis Lesions in Patients. 2021, 53, 408-415 A literature review of biosensors for multiple sclerosis: Towards personalized medicine and point-of-care testing. 2021, 48, 102675 CD8 T cell subpopulations and pro-inflammatory cytokines in neuromyelitis optica spectrum	0
in Patients with Clinically Isolated Syndrome. 2021, 31, 108-114 In Vivo Proton Exchange Rate (k) MRI for the Characterization of Multiple Sclerosis Lesions in Patients. 2021, 53, 408-415 A literature review of biosensors for multiple sclerosis: Towards personalized medicine and point-of-care testing. 2021, 48, 102675	О
Patients. 2021, 53, 408-415 A literature review of biosensors for multiple sclerosis: Towards personalized medicine and point-of-care testing. 2021, 48, 102675	
point-of-care testing. 2021 , 48, 102675	1
CD8 T cell subpopulations and pro-inflammatory cytokines in neuromyelitis optica spectrum	
disorder. 2021 , 8, 43-53	4
High birth weight and risk of multiple sclerosis: A multicentre study in Argentina. 2021 , 47, 102628	1
Cerebrospinal fluid lactate level in aquaporin-4 antibody positive neuromyelitis optica spectrum disorders: a hint on differential diagnosis and possible immunopathogenesis. 2021 , 47, 102629	
Living with secondary progressive multiple sclerosis in Europe: perspectives of multiple stakeholders. 2021 , 11, 9-19	2
1111 Is MS affecting the CNS only? Lessons from clinic to myelin pathophysiology. 2021 , 8,	4
Clinical and transcriptional recovery profiles in pediatric and adult multiple sclerosis patients. 2021 , 8, 81-94	2
1109 Silent New Brain MRI Lesions in Children with MOG-Antibody Associated Disease. 2021 , 89, 408-413	7
1108 Advances in the Treatment of Multiple Sclerosis. 2021 , 39, 21-33	14
Sensory and pain modulation profiles of ongoing central neuropathic extremity pain in multiple sclerosis. 2021 , 25, 573-594	O
Multicentric clinical and epidemiological comparison of neuromyelitis optica spectrum disorder with multiple sclerosis from India. 2021 , 47, 102616	2
The impact of SARS-CoV2 on the anxiety levels of subjects and on the anxiety and depression levels of their parents. 2021 , 47, 102595	4
Overground Robotic Program Preserves Gait in Individuals With Multiple Sclerosis and Moderate to Severe Impairments: A Randomized Controlled Trial. 2021 , 102, 932-939	4
1103 A first presentation of multiple sclerosis with concurrent COVID-19 infection. 2021 , 22, 100299	19

1102	Does gait bout definition influence the ability to discriminate gait quality between people with and without multiple sclerosis during daily life?. 2021 , 84, 108-113	1
1101	Etiological spectrum, clinico-radiological profile and treatment outcomes of longitudinally extensive transverse myelitis - A prospective study from Northwest India. 2021 , 351, 577456	2
1100	High serum neurofilament levels among Chinese patients with aquaporin-4-IgG-seropositive neuromyelitis optica spectrum disorders. 2021 , 83, 108-111	4
1099	Time interval between disease onset and MS diagnosis during the last decades in Latin America. 2021 , 48, 102672	О
1098	Defining the course of tumefactive multiple sclerosis: A large retrospective multicentre study. 2021 , 28, 1299-1307	1
1097	Structural constraints of functional connectivity drive cognitive impairment in the early stages of multiple sclerosis. 2021 , 27, 559-567	5
1096	Alemtuzumab mediates the CD39 T-regulatory cell response via CD23 macrophages. 2021 , 99, 521-531	1
1095	Fast automatic segmentation of thalamic nuclei from MP2RAGE acquisition at 7 Tesla. 2021 , 85, 2781-2790	2
1094	Interpretation of Brain Volume Increase in Multiple Sclerosis. 2021 , 31, 401-407	4
1093	Biomarkers of treatment response in patients with progressive multiple sclerosis treated with high-dose pharmaceutical-grade biotin (MD1003). 2021 , 11, e01998	Ο
1092	The epidemiology of multiple sclerosis in the Scottish Highlands: Prevalence, incidence and time to confirmed diagnosis and treatment initiation. 2021 , 47, 102657	
1091	Teleconsultation will replace most face-to-face interactions in the multiple sclerosis clinic - No. 2021 , 27, 176-177	4
1090	Measuring attack on self: The need for field-friendly methods development and research on autoimmunity in human biology. 2020 ,	1
1089	Interleukin-15 enhances proinflammatory T-cell responses in patients with MS and EAE. 2021 , 8,	О
1088	Preventing multiple sclerosis misdiagnosis using the "central vein sign": A real-world study. 2021 , 48, 102671	1
1087	Neurological Manifestations of COVID-19 Feature T Cell Exhaustion and Dedifferentiated Monocytes in Cerebrospinal Fluid. 2021 , 54, 164-175.e6	51
1086	Anti-CD20 therapies and pregnancy in neuroimmunologic disorders: A cohort study from Germany. 2021 , 8,	16
1085	The sequence of structural, functional and cognitive changes in multiple sclerosis. 2021 , 29, 102550	4

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Epileptic seizures in multiple sclerosis: prevalence, competing causes and diagnostic accuracy. 20 , 268, 1721-1727)21 8
CSF levels of HoxB3 and YKL-40 may predict conversion from clinically isolated syndrome to relapsing remitting multiple sclerosis. 2021 , 48, 102697	1
Multiple sclerosis identification in brain MRI images using wavelet convolutional neural networks 2021 , 31, 778-785	s. 6
Neuromuscular and Mobility Responses to a Vibration Session in Hypoxia in Multiple Sclerosis. 20 , 42, 307-313	021
1080 Multiple Sclerosis. 2021 , 983-1005.e5	
Magnetic resonance imaging of Ball concentric sclerosis: Literature review and presentation of two focused cases. 2021 , 12, 54-62	
1078 Multiple Sclerosis. 2021 , 353-376	
1077 Regulation of neuroinflammation by B cells and plasma cells. 2021 , 299, 45-60	4
Testing social cognition in multiple sclerosis: Difference between emotion recognition and theor of mind and its influence on quality of life. 2021 , 11, e01925	ry ₂
A contrast-adaptive method for simultaneous whole-brain and lesion segmentation in multiple sclerosis. 2021 , 225, 117471	16
1074 Circulating endothelial progenitor cells during pregnancy in multiple sclerosis. 2021 , 42, 1443-14	51
Common genetic variants in PRRC2A are associated with both neuromyelitis optica spectrum disorder and multiple sclerosis in Han Chinese population. 2021 , 268, 506-515	2
Dimethyl fumarate-induced lymphocyte count drop is related to clinical effectiveness in relapsing-remitting multiple sclerosis. 2021 , 28, 269-277	
Should I stop or should I go on? Disease modifying therapy after the first clinical episode of multiple sclerosis. 2021 , 268, 1247-1253	5
The role of sensory processing difficulties, cognitive impairment, and disease severity in predicti functional behavior among patients with multiple sclerosis. 2021 , 43, 1129-1136	ng 5
Cytokine-chemokine and cognitive profile of multiple sclerosis patients with predominant optic nerve and spinal cord involvement. 2021 , 44, 411-417	3
A focus on secondary progressive multiple sclerosis (SPMS): challenges in diagnosis and definitio 2021 , 268, 1210-1221	n. 40
The prevalence of epileptic seizures in multiple sclerosis in a large tertiary hospital in Australia. 2021, 7, 2055217321989767	0

1066	Implications of extreme serum neurofilament light chain levels for the management of patients with relapsing multiple sclerosis. 2021 , 14, 17562864211001977	O
1065	Encyclopedia of Quality of Life and Well-Being Research. 2021 , 1-2	
1064	ZNS-Erkrankungen beim Erwachsenen. 2021 , 117-128	
1063	Standardizing T1-w/T2-w ratio images in trigeminal neuralgia to estimate the degree of demyelination in vivo. 2021 , 32, 102798	1
1062	Mutual relationship between upper extremity function and core muscle endurance in patients with multiple sclerosis.	
1061	Caso clflico: presentacifi atfica de esclerosis mítiple en una paciente de 42 a ô s. 2021 , 3, 100082	
1060	Stepwise target controllability identifies dysregulations of macrophage networks in multiple sclerosis. 2021 , 5, 337-357	O
1059	White Matter Pathology. 2021 , 29-46	1
1058	Imaging in Neuro-Ophthalmology. 2021 , 1-29	
1057	Oligoclonal IgM bands in the cerebrospinal fluid of patients with relapsing MS to inform long-term MS disability. 2021 , 27, 1706-1716	3
1056	Comparison of multi echo T relaxation and steady state approaches for myelin imaging in the central nervous system. 2021 , 11, 1369	2
1055	Brenda Banwell. 2021 , 609-611	
1054	Multiple Sclerosis Therapy Consensus Group (MSTCG): position statement on disease-modifying therapies for multiple sclerosis (white paper). 2021 , 14, 17562864211039648	13
1053	IL27 T4730C Polymorphism and Serology in Multiple Sclerosis: A Pilot Study. 2021 , 35, 2845-2853	O
1052	Cognitive impairment in multiple sclerosis: lessons from cerebrospinal fluid biomarkers. 2021 , 16, 36-42	8
1051	Deep Attention and Graphical Neural Network for Multiple Sclerosis Lesion Segmentation from MR Imaging Sequences. 2021 , PP,	O
1051		8

1048	Coexistence of Autoantibodies and Other Autoimmune Diseases with Multiple Sclerosis and Related Disorders - Experience from the Mangalore Demyelinating Disease Registry (MANDDIR) 2021 , 24, 740-744	О
1047	Can white matter lesion burden predict involvement of normal appearing thalami in multiple sclerosis? Study using 3D FLAIR and DTI. 2021 , 52,	
1046	A Case of Atypical Multiple Sclerosis Mimicking Cerebral Autosomal Dominant Arteriopathy With Subcortical Infarcts and Leukoencephalopathy Syndrome. 2021 , 13, e12508	2
1045	Natural History of Multiple Sclerosis. 2021 , 89-104	
1044	The impact of physical functions on depressive symptoms in people with multiple sclerosis. 2021 , 79, 44-50	1
1043	The IL-27/IL-27R axis is altered in CD4 and CD8 T lymphocytes from multiple sclerosis patients. 2021 , 10, e1262	Ο
1042	Quantitative susceptibility-weighted imaging in predicting disease activity in multiple sclerosis. 2021 , 63, 1061-1069	1
1041	Systemic Sclerosis Revealed by a Primary Progressive Multiple Sclerosis-like Condition: A Case Report. 2021 , 17, 56	
1040	Beyond Lesion-Load: Tractometry-Based Metrics for Characterizing White Matter Lesions within Fibre Pathways. 2021 , 227-237	Ο
1039	Optic Neuritis. 2021 , 1-29	
1039	Optic Neuritis. 2021, 1-29 Evaluating Treatment Patterns, Relapses, Healthcare Resource Utilization, and Costs Associated with Disease-Modifying Treatments for Multiple Sclerosis in DMT-Nafle Patients. 2021, 13, 65-75	1
	Evaluating Treatment Patterns, Relapses, Healthcare Resource Utilization, and Costs Associated	1 0
1038	Evaluating Treatment Patterns, Relapses, Healthcare Resource Utilization, and Costs Associated with Disease-Modifying Treatments for Multiple Sclerosis in DMT-Nafe Patients. 2021 , 13, 65-75 Antibiotic Use and Risk of Multiple Sclerosis: A Nested Case-Control Study in Emilia-Romagna	
1038	Evaluating Treatment Patterns, Relapses, Healthcare Resource Utilization, and Costs Associated with Disease-Modifying Treatments for Multiple Sclerosis in DMT-Nafe Patients. 2021 , 13, 65-75 Antibiotic Use and Risk of Multiple Sclerosis: A Nested Case-Control Study in Emilia-Romagna Region, Italy. 2021 , 55, 224-231	O
1038 1037 1036	Evaluating Treatment Patterns, Relapses, Healthcare Resource Utilization, and Costs Associated with Disease-Modifying Treatments for Multiple Sclerosis in DMT-Nafle Patients. 2021, 13, 65-75 Antibiotic Use and Risk of Multiple Sclerosis: A Nested Case-Control Study in Emilia-Romagna Region, Italy. 2021, 55, 224-231 Association between cervical disc disease and lesions of multiple sclerosis. 2021, 34, 200-204	O
1038 1037 1036	Evaluating Treatment Patterns, Relapses, Healthcare Resource Utilization, and Costs Associated with Disease-Modifying Treatments for Multiple Sclerosis in DMT-Nafe Patients. 2021, 13, 65-75 Antibiotic Use and Risk of Multiple Sclerosis: A Nested Case-Control Study in Emilia-Romagna Region, Italy. 2021, 55, 224-231 Association between cervical disc disease and lesions of multiple sclerosis. 2021, 34, 200-204 Nasolacrimal transition time in patients with multiple sclerosis. 2021, 278, 3357-3362 Rituximab mitoxantrone: comparing effectiveness and safety in advanced relapsing multiple	0
1038 1037 1036 1035	Evaluating Treatment Patterns, Relapses, Healthcare Resource Utilization, and Costs Associated with Disease-Modifying Treatments for Multiple Sclerosis in DMT-Nafe Patients. 2021, 13, 65-75 Antibiotic Use and Risk of Multiple Sclerosis: A Nested Case-Control Study in Emilia-Romagna Region, Italy. 2021, 55, 224-231 Association between cervical disc disease and lesions of multiple sclerosis. 2021, 34, 200-204 Nasolacrimal transition time in patients with multiple sclerosis. 2021, 278, 3357-3362 Rituximab mitoxantrone: comparing effectiveness and safety in advanced relapsing multiple sclerosis. 2021, 12, 20406223211024366 Adiponectin in Cerebrospinal Fluid from Patients Affected by Multiple Sclerosis Is Correlated with the Progression and Severity of Disease. 2021, 58, 2663-2670	0 1 1

1030	Disruption of brainstem monoaminergic fibre tracts in multiple sclerosis as a putative mechanism for cognitive fatigue: a fixel-based analysis. 2021 , 30, 102587	7
1029	Multiple sclerosis and subclinical neuropathology in healthy individuals with familial risk: A scoping review of MRI studies. 2021 , 31, 102734	
1028	Neuroimaging Modalities in Neuroimmunology. 2021 , 29-42	
1027	Oligoclonal Bands: Isoelectric Focusing and Immunoblotting, and Determination of Free Light Chains in the Cerebrospinal Fluid. 2021 , 29-54	
1026	C-PK11195 plasma metabolization has the same rate in multiple sclerosis patients and healthy controls: a cross-sectional study. 2021 , 16, 2494-2498	0
1025	Can powered exoskeletons improve gait and balance in multiple sclerosis? A retrospective study. 2021 , 44, 126-130	1
1024	Using dual-calibrated functional MRI to map brain oxygen supply and consumption in multiple sclerosis.	Ο
1023	FLAIR-only joint volumetric analysis of brain lesions and atrophy in clinically isolated syndrome (CIS) suggestive of multiple sclerosis. 2021 , 29, 102542	2
1022	Recent advances and future directions on the use of optical coherence tomography in neuro-ophthalmology. 2021 , 11, 3-15	4
1021	Case Report: Efficacy of Rituximab in a Patient With Familial Mediterranean Fever and Multiple Sclerosis. 2020 , 11, 591395	1
1020	Optic Neuritis. 2021 , 25-39	
1019	Demyelinating Diseases. 2021, 313-351	
1018	KIF5A and the contribution of susceptibility genotypes as a predictive biomarker for multiple sclerosis. 2021 , 268, 2175-2184	Ο
1017	Neurological disorders of COVID-19 can be explained in terms of both "loss and gain of function" states of a solution for the nervous system. 2021 , 7, 217-222	Ο
1016	Comparison of Therapies in MS Patients After the First Demyelinating Event in Real Clinical Practice in the Czech Republic: Data From the National Registry ReMuS. 2020 , 11, 593527	2
1015	Serum neurofilament levels reflect outer retinal layer changes in multiple sclerosis. 2021 , 14, 175628642110	03 <u>4</u> 78
1014	The Expanded Disability Status Scale Score and Demographic Indexes Are Correlated with the Severity of Cognitive Impairment in Multiple Sclerosis Patients. 2021 , 17, 113-120	7
1013	Approach to optic neuritis: An update. 2021 , 69, 2266-2276	1

1012	Abnormalities in normal-appearing white matter from which multiple sclerosis lesions arise. 2021 , 3, fcab176	1
1011	Switching treatments in clinically stable relapsing remitting multiple sclerosis patients planning for pregnancy. 2021 , 7, 20552173211001571	1
1010	Toward a Remote Assessment of Walking Bout and Speed: Application in Patients With Multiple Sclerosis. 2021 , 25, 4217-4228	3
1009	Use of Disease-Modifying Therapies in Multiple Sclerosis. 2021 , 493-506	О
1008	A Computer-Aided Diagnosis System in the Diagnosis of Multiple Sclerosis. 2021 , 277-284	
1007	Virtual reality for multiple sclerosis rehabilitation.	O
1006	Machine learning-based differentiation between multiple sclerosis and glioma WHO II°-IV° using O-(2-[18F] fluoroethyl)-L-tyrosine positron emission tomography. 2021 , 152, 325-332	4
1005	A R-Script for Generating Multiple Sclerosis Lesion Pattern Discrimination Plots. 2021 , 11,	
1004	High prevalence of fatigue in contemporary patients with multiple sclerosis. 2021 , 7, 2055217321999826	6
1003	Ocrelizumab in Multiple Sclerosis: A Real-World Study From Spain. 2020 , 11, 592304	7
1002	[Blockade of D1-like dopaminergic receptors suppresses Th17-cell function in multiple sclerosis]. 2021 , 121, 82-89	
1001	Twin studies on the epigenetics of selected neurological disorders and carotid artery disease. 2021 , 193-211	
1000	Identification of hsa-miR-106a-5p as an impact agent on promotion of multiple sclerosis using multi-step data analysis. 2021 , 42, 3791-3799	2
999	Clinical Approach to Pediatric Demyelinating Disease. 2021 , 469-482	
998	Pathogenesis of autoimmune demyelination: from multiple sclerosis to neuromyelitis optica spectrum disorders and myelin oligodendrocyte glycoprotein antibody-associated disease. 2021 , 10, e1316	3
997	Amyotrophic lateral sclerosis patients show increased peripheral and intrathecal T-cell activation. 2021 , 3, fcab157	4
996	The changing landscape of optic neuritis: a narrative review. 2021 , 1	3
995	[Current aspects of neurogenic dysfunctions of the lower urinary tract in multiple sclerosis]. 2021 , 92, 349-358	O

994 [Dysphagia in Multiple Sclerosis - an underestimated symptom?]. **2021**, 89, 168-177

993	Diagnosis of multiple sclerosis in times of MOG and AQP4 autoantibody testing - A monocentric study. 2021 , 421, 117289	
992	Deep Learning Corpus Callosum Segmentation as a Neurodegenerative Marker in Multiple Sclerosis. 2021 , 31, 493-500	1
991	Immune phenotyping study revealing caveats regarding a switch from fingolimod to cladribine. 2021 , 48, 102727	4
990	Defining Benign/Burnt-Out MS and Discontinuing Disease-Modifying Therapies. 2021, 8,	3
989	The audiovestibular manifestations as early symptoms of multiple sclerosis: a scoping review of the literature. 2021 , 1	3
988	A Bio-Psycho-Social Co-created Intervention for Young Adults With Multiple Sclerosis (ESPRIMO): Rationale and Study Protocol for a Feasibility Study. 2021 , 12, 598726	2
987	Operationalization of a frailty index in patients with multiple sclerosis: A cross-sectional investigation. 2021 , 27, 1939-1947	5
986	Neuronal and glial CSF biomarkers in multiple sclerosis: a systematic review and meta-analysis. 2021 , 32, 573-595	10
985	Paediatric multiple sclerosis and antibody-associated demyelination: clinical, imaging, and biological considerations for diagnosis and care. <i>Lancet Neurology, The</i> , 2021 , 20, 136-149	1 19
984	Comparacifi entre las secuencias axiales densidad de protones y T2 en lesiones medulares cervicales de pacientes con esclerosis mítiple. 2021 , 85, 057-061	1
983	Epidemiology and clinical features of demyelinating disorders in India. 2021 , 9, 266-273	O
982	Prevalence and Risk Factors of Dysphagia in Patients with Multiple Sclerosis. 2021 , 1	1
981	Amyloidoma mimicking multiple sclerosis. 2021,	
980	Serum vitamin d inversely correlates with depression scores in people with multiple sclerosis. 2021 , 48, 102732	1
979	Ozanimod for relapsing-remitting multiple sclerosis.	
978	The Value of Self-Reported Cognitive Performance in low, medium and high EDSS.	
977	Classification of multiple sclerosis based on patterns of CNS regional atrophy covariance. 2021 , 42, 2399-24	15 3

976	An Interview-Based Assessment of the Experience of Cognitive Impairment in Multiple Sclerosis: The Cognitive Assessment Interview (CAI). 2021 , 12, 637895	0
975	Functional neurological disorder and multiple sclerosis: a systematic review of misdiagnosis and clinical overlap. 2021 , 1	8
974	Phelan McDermid Syndrome: Multiple Sclerosis as a Rare but Treatable Cause for Regression-A Case Report. 2021 , 22,	О
973	Correlation of cortical lesions of multiple sclerosis at double inversion recovery with cognition screening scores. 2021 , 57,	Ο
972	Optical Coherence Tomography Angiography of Peripapillary Vessel Density in Multiple Sclerosis and Neuromyelitis Optica Spectrum Disorder: A Comparative Study. 2021 , 10,	7
971	Smartphone-based symbol-digit modalities test reliably captures brain damage in multiple sclerosis. 2021 , 4, 36	10
970	Neurofibromatosis Type 1 with Highly Active Relapsing-Remitting Multiple Sclerosis (RRMS). 2021 , 8, 002190	1
969	Association of serum levels and receptor genes Bsml, Taql and Fokl polymorphisms of vitamin D with the severity of multiple sclerosis. 2021 , 84, 75-81	2
968	Optimizing EEG source reconstruction with concurrent fMRI-derived spatial priors.	
967	Interferon beta 1a (Rebifʿl) in relapsing remitting multiple sclerosis. 2021 , 82, 707-715	
967 966	Interferon beta 1a (Rebif①) in relapsing remitting multiple sclerosis. 2021, 82, 707-715 Recent advances in development of nanomedicines for multiple sclerosis diagnosis. 2021, 16, 024101	2
		2 O
966	Recent advances in development of nanomedicines for multiple sclerosis diagnosis. 2021 , 16, 024101 Patient Satisfaction With the Quality of Counseling Provided by Advanced Practice Nurses	
966	Recent advances in development of nanomedicines for multiple sclerosis diagnosis. 2021, 16, 024101 Patient Satisfaction With the Quality of Counseling Provided by Advanced Practice Nurses Specialized in Multiple Sclerosis: A Quantitative Analysis. 2021, 53, 99-103 Transient monocular visual impairment as an initial symptom of COVID-19 infection in an individual	O
966 965 964	Recent advances in development of nanomedicines for multiple sclerosis diagnosis. 2021, 16, 024101 Patient Satisfaction With the Quality of Counseling Provided by Advanced Practice Nurses Specialized in Multiple Sclerosis: A Quantitative Analysis. 2021, 53, 99-103 Transient monocular visual impairment as an initial symptom of COVID-19 infection in an individual with multiple sclerosis receiving teriflunomide. 2021, 42, 1661-1664	0
966 965 964 963	Recent advances in development of nanomedicines for multiple sclerosis diagnosis. 2021, 16, 024101 Patient Satisfaction With the Quality of Counseling Provided by Advanced Practice Nurses Specialized in Multiple Sclerosis: A Quantitative Analysis. 2021, 53, 99-103 Transient monocular visual impairment as an initial symptom of COVID-19 infection in an individual with multiple sclerosis receiving teriflunomide. 2021, 42, 1661-1664 Investigating efficient CNN architecture for multiple sclerosis lesion segmentation. 2021, 8, 014504 Clinical course of central nervous system demyelinating neurological adverse events associated	O 1 2
966 965 964 963	Recent advances in development of nanomedicines for multiple sclerosis diagnosis. 2021, 16, 024101 Patient Satisfaction With the Quality of Counseling Provided by Advanced Practice Nurses Specialized in Multiple Sclerosis: A Quantitative Analysis. 2021, 53, 99-103 Transient monocular visual impairment as an initial symptom of COVID-19 infection in an individual with multiple sclerosis receiving teriflunomide. 2021, 42, 1661-1664 Investigating efficient CNN architecture for multiple sclerosis lesion segmentation. 2021, 8, 014504 Clinical course of central nervous system demyelinating neurological adverse events associated with anti-TNF therapy. 2021, 268, 2895-2899	O 1 2

958	Study protocol for a randomised controlled trial of a web-based behavioural lifestyle programme for emPOWERment in early Multiple Sclerosis (POWER@MS1). 2021 , 11, e041720	2
957	Bruch's membrane opening-minimum rim width: An alternative OCT biomarker study for multiple sclerosis. 2021 , 31, 2141-2149	1
956	A Prospective, Observational, Cohort Study to Assess the Efficacy and Safety of Prolonged-Release Fampridine in Cognition, Fatigue, Depression, and Quality of Life in Multiple Sclerosis Patients: The FAMILY Study. 2021 , 38, 1536-1551	1
955	Identifying Early Neuropsychological Indicators of Cognitive Involvement in Multiple Sclerosis. 2021 , 17, 323-337	3
954	Development and evaluation of an interactive web-based decision-making programme on relapse management for people with multiple sclerosis (POWER@MS2)-study protocol for a randomised controlled trial. 2021 , 22, 139	4
953	High-intensity interval training and energy management education, compared with moderate continuous training and progressive muscle relaxation, for improving health-related quality of life in persons with multiple sclerosis: study protocol of a randomized controlled superiority trial with	2
952	Risk of Psychiatric Disorders in Multiple Sclerosis: A Nationwide Cohort Study in an Asian Population. 2021 , 17, 587-604	3
951	The TGF-Buperfamily cytokine Activin-A is induced during autoimmune neuroinflammation and drives pathogenic Th17 cell differentiation. 2021 , 54, 308-323.e6	13
950	Pro-inflammatory adiponectin in pediatric-onset multiple sclerosis. 2021 , 27, 1948-1959	2
949	Rituximab for people with multiple sclerosis.	78
948	Cerebrospinal fluid proteome shows disrupted neuronal development in multiple sclerosis. 2021 , 11, 4087	4
947	Real world experience with teriflunomide in multiple sclerosis: the TER-Italy study. 2021 , 268, 2922-2932	8
946	Diagnosis and Treatment of Multiple Sclerosis: A Review. 2021 , 325, 765-779	99
945	Predisposing Factors for Sexual Dysfunction in Multiple Sclerosis. 2021 , 12, 618370	4
945 944	Predisposing Factors for Sexual Dysfunction in Multiple Sclerosis. 2021, 12, 618370 Compressive Cervical Myelopathy in Patients With Demyelinating Disease of the Central Nervous System: Improvement After Surgery Despite a Late Diagnosis. 2021, 13, e13161	1
	Compressive Cervical Myelopathy in Patients With Demyelinating Disease of the Central Nervous	
944	Compressive Cervical Myelopathy in Patients With Demyelinating Disease of the Central Nervous System: Improvement After Surgery Despite a Late Diagnosis. 2021 , 13, e13161	1

940	Neuroimaging of Spinal Cord and Cauda Equina Disorders. 2021 , 27, 225-263	1
939	COVID-19 in teriflunomide-treated patients with multiple sclerosis: A case report and literature review. 2021 , 48, 102734	9
938	Incidence and clinical outcome of Coronavirus disease 2019 in a cohort of 11,560 Brazilian patients with multiple sclerosis. 2021 , 1352458520978354	6
937	Clinical and Prognostic Analysis of Autoantibody-Associated CNS Demyelinating Disorders in Children in Southwest China. 2021 , 12, 642664	1
936	Machine Learning Driven Profiling of Cerebrospinal Fluid Core Biomarkers in Alzheimer's Disease and Other Neurological Disorders. 2021 , 15, 647783	1
935	Effector T Helper Cells Are Selectively Controlled During Pregnancy and Related to a Postpartum Relapse in Multiple Sclerosis. 2021 , 12, 642038	1
934	Rationale and design of the brain magnetic resonance imaging protocol for FutureMS: a longitudinal multi-centre study of newly diagnosed patients with relapsing-remitting multiple sclerosis in Scotland.	2
933	Linear brain atrophy measures in multiple sclerosis and clinically isolated syndromes: a 30-year follow-up. 2021 ,	2
932	A pilot study of the impact of an exercise intervention on brain structure, cognition, and psychosocial symptoms in individuals with relapsing-remitting multiple sclerosis. 2021 , 7, 65	2
931	Pathology-supported genetic testing as a method for disability prevention in multiple sclerosis (MS). Part II. Insights from two MS cases. 2021 , 36, 1169-1181	1
930	Clinical predictors to cognitive impairment in multiple sclerosis patients. 2021 , 57,	6
929	Neurologic Features Associated With SARS-CoV-2 Infection in Children: A Case Series Report. 2021 , 36, 853-866	16
928	Multiple sclerosis limited to spinal cord lesions. 2021 , 12, 111-115	0
927	Treatment of Women with Multiple Sclerosis Planning Pregnancy. 2021 , 23, 11	10
926	Cerebrospinal Fluid Biomarkers of Myeloid and Glial Cell Activation Are Correlated With Multiple Sclerosis Lesional Inflammatory Activity. 2021 , 15, 649876	1
925	Shear wave elastography evaluation of brachial plexus in multiple sclerosis. 2021 , 2841851211002828	O
924	Multiparametric Quantitative MRI in Neurological Diseases. 2021 , 12, 640239	4
923	[Differential diagnostics of autoimmune inflammatory spinal cord diseases]. 2021 , 92, 293-306	1

922	Compensatory image of the stability of people with multiple sclerosis and atrial vertigo based on posturography examination. 2021 , 11, 7027	1
921	Serum level of brain-derived neurotrophic factor in patients with relapsing multiple sclerosis: a potential biomarker for disease activity. 2021 , 57,	2
920	Optical coherence tomography angiography helps distinguish multiple sclerosis from AQP4-IgG-seropositive neuromyelitis optica spectrum disorder. 2021 , 11, e02125	2
919	Subclinical anterior optic pathway involvement in early multiple sclerosis and clinically isolated syndromes. 2021 , 144, 848-862	3
918	Untreated patients with multiple sclerosis: A study of French expert centers. 2021, 28, 2026-2036	3
917	Cervical cord myelin abnormality is associated with clinical disability in multiple sclerosis. 2021 , 27, 2191-219	8 1
916	[Spastic paresis of the arms and flaccid paralysis of the legs in secondary progressive multiple sclerosis]. 2021 , 92, 1061-1063	
915	Interaction between Neurons and the Oligodendroglial Lineage in Multiple Sclerosis and Its Preclinical Models. 2021 , 11,	
914	Clinically isolated syndrome: diagnosis and risk of developing clinically definite multiple sclerosis. 2021 ,	
913	Validity of the Italian multiple sclerosis neuropsychological screening questionnaire. 2021 , 42, 4583-4589	
913	Validity of the Italian multiple sclerosis neuropsychological screening questionnaire. 2021 , 42, 4583-4589 Magnetic resonance imaging in the diagnosis of non-tumorous multifocal brain lesions mimicking multiple sclerosis. 2021 , 49, 89-97	
	Magnetic resonance imaging in the diagnosis of non-tumorous multifocal brain lesions mimicking	1
912	Magnetic resonance imaging in the diagnosis of non-tumorous multifocal brain lesions mimicking multiple sclerosis. 2021 , 49, 89-97	1 2
912	Magnetic resonance imaging in the diagnosis of non-tumorous multifocal brain lesions mimicking multiple sclerosis. 2021 , 49, 89-97 Isolated Cognitive Decline in Neurologically Stable Patients with Multiple Sclerosis. 2021 , 11,	
912 911 910	Magnetic resonance imaging in the diagnosis of non-tumorous multifocal brain lesions mimicking multiple sclerosis. 2021 , 49, 89-97 Isolated Cognitive Decline in Neurologically Stable Patients with Multiple Sclerosis. 2021 , 11, Genetic Variation in WNT9B Increases Relapse Hazard in Multiple Sclerosis. 2021 , 89, 884-894	2
912 911 910 909	Magnetic resonance imaging in the diagnosis of non-tumorous multifocal brain lesions mimicking multiple sclerosis. 2021, 49, 89-97 Isolated Cognitive Decline in Neurologically Stable Patients with Multiple Sclerosis. 2021, 11, Genetic Variation in WNT9B Increases Relapse Hazard in Multiple Sclerosis. 2021, 89, 884-894 Cannabidiol and Other Cannabinoids in Demyelinating Diseases. 2021, 22, Early factors associated with later conversion to multiple sclerosis in patients presenting with	2
912 911 910 909 908	Magnetic resonance imaging in the diagnosis of non-tumorous multifocal brain lesions mimicking multiple sclerosis. 2021, 49, 89-97 Isolated Cognitive Decline in Neurologically Stable Patients with Multiple Sclerosis. 2021, 11, Genetic Variation in WNT9B Increases Relapse Hazard in Multiple Sclerosis. 2021, 89, 884-894 Cannabidiol and Other Cannabinoids in Demyelinating Diseases. 2021, 22, Early factors associated with later conversion to multiple sclerosis in patients presenting with isolated myelitis. 2021, Illuminating the in vitro effects of Epstein-Barr virus and vitamin D on immune response in multiple	2 2 0

904	Early multiple sclerosis: diagnostic challenges in clinically and radiologically isolated syndrome patients. 2021 , 34, 277-285	Ο
903	Probing the Brain-Body Connection Using Transcranial Magnetic Stimulation (TMS): Validating a Promising Tool to Provide Biomarkers of Neuroplasticity and Central Nervous System Function. 2021 , 11,	4
902	Recommendations for the coordination of Neurology and Neuroradiology Departments in the management of patients with multiple sclerosis. 2021 ,	
901	[From neuromyelitis optica to neuromyelitis optica spectrum disorder: from clinical syndrome to diagnistic classification]. 2021 , 92, 307-316	1
900	Cerebrospinal fluid findings in patients with psychotic symptoms-a retrospective analysis. 2021 , 11, 7169	3
899	Diagnosis of Progressive Multiple Sclerosis From the Imaging Perspective: A Review. 2021 , 78, 351-364	11
898	Multiple Sclerosis Relapse Presenting as Sensorineural Hearing Loss. 2021 , 96, 767-768	О
897	Perceived Fatigue Impact and Cognitive Variability in Multiple Sclerosis. 2021 , 1-11	1
896	Effectiveness of Brainstem Auditory Evoked Potentials Scoring in Evaluating Brainstem Dysfunction and Disability Among Individuals With Multiple Sclerosis. 2021 , 30, 255-265	O
895	Axonal loss in major sensorimotor tracts is associated with impaired motor performance in minimally disabled multiple sclerosis patients. 2021 , 3, fcab032	5
894	Evaluation of Retinal Layer Thickness Parameters as Biomarkers in a Real-World Multiple Sclerosis Cohort. 2021 , 13, 59-69	5
893	Machine learning-optimized Combinatorial MRI scale (COMRISv2) correlates highly with cognitive and physical disability scales in Multiple Sclerosis patients.	1
892	Dedicated 3D-T2-STIR-ZOOMit Imaging Improves Demyelinating Lesion Detection in the Anterior Visual Pathways of Patients with Multiple Sclerosis. 2021 , 42, 1061-1068	0
891	Myelin and axon pathology in multiple sclerosis assessed by myelin water and multi-shell diffusion imaging. 2021 , 144, 1684-1696	15
890	Multiple sclerosis, rituximab, and COVID-19. 2021 , 8, 938-943	14
889	IgGs-Abzymes from the Sera of Patients with Multiple Sclerosis Recognize and Hydrolyze miRNAs. 2021 , 22,	3
888	Disease Progression and Obstetric Outcomes of Women with Multiple Sclerosis at a Reference Center in Northeastern Brazil. 2021 , 43, 165-171	
887	Latent representation learning in biology and translational medicine. 2021 , 2, 100198	4

886	Longitudinally Extensive Transverse Myelitis: A Retrospective Study Differentiating Neuromyelitis Optica Spectrum Disorder From Other Etiologies. 2021 , 13, e13968	
885	Analysis of Associations of Genetic Predisposition Markers Identified in Genome-Wide Studies with Multiple Sclerosis. 2021 , 51, 316-321	
884	Does Extended Interval Dosing Natalizumab Preserve Effectiveness in Multiple Sclerosis? A 7 Year-Retrospective Observational Study. 2021 , 12, 614715	6
883	Gluten intolerance antibodies in multiple sclerosis and clinically isolated syndrome: Coexistent or coincidental?. 2021 , 12, 116-121	1
882	Potential Role of CHI3L1+ Astrocytes in Progression in MS. 2021 , 8,	2
881	Secondary progressive sclerosis in Russia, medical and social characteristics of patients and urgent tasks of therapy. 2021 , 7-13	1
880	Kinesiophobia in Stroke Patients, Multiple Sclerosis and Parkinson's Disesase. 2021 , 11,	3
879	3D-Fast Gray Matter Acquisition with Phase Sensitive Inversion Recovery Magnetic Resonance Imaging at 3 Tesla: Application for detection of spinal cord lesions in patients with multiple sclerosis. 2021 , 16, e0247813	1
878	Demographic features, behavioral measures, and clinical factors as predictors of cognitive function in patients with multiple sclerosis. 2021 , 49, 102758	O
877	Maternal multiple sclerosis is not a risk factor for neurodevelopmental disorders in offspring. 2021 , 7, 20552173211017301	
876	Lower lymphocyte counts and older age are associated with reduced multiple sclerosis disease activity during dimethyl fumarate treatment. 2021 , 49, 102781	4
875	Serum inflammatory markers in patients with multiple sclerosis and their association with clinical manifestations and MRI findings. 2021 , 1	1
874	Brain microstructural and metabolic alterations detected in vivo at onset of the first demyelinating event. 2021 , 144, 1409-1421	7
873	Differential patterns of parafoveal and peripapillary vessel density in multiple sclerosis and neuromyelitis optica spectrum disorder. 2021 , 49, 102780	8
872	Subgroup analysis of clinical and MRI outcomes in participants with a first clinical demyelinating event at risk of multiple sclerosis in the ORACLE-MS study. 2021 , 49, 102695	4
871	The effects of supervised versus home Pilates-based core stability training on lower extremity muscle strength and postural sway in people with multiple sclerosis. 2021 , 13524585211012202	1
870	Early neuropsychological markers of cognitive involvement in multiple sclerosis. 2021, 423, 117349	1
869	Pathology-supported genetic testing as a method for disability prevention in multiple sclerosis (MS). Part I. Targeting a metabolic model rather than autoimmunity. 2021 , 36, 1151-1167	2

868	Real-world experience of ocrelizumab in multiple sclerosis patients in Latin America. 2021, 79, 305-309	1
867	Status of Immunotherapy Acceptance in Chinese Patients With Multiple Sclerosis: Analysis of. 2021 , 12, 651511	3
866	Corneal Subbasal Nerve Plexus Evaluation by Confocal Microscopy in Multiple Sclerosis: A Potential New Biomarker. 2021 , 46, 1452-1459	4
865	Seasonal patterns of relapse and disability in Danish MS patients: A population-based cohort study. 2021 , 49, 102739	1
864	Altered distributions in circulating follicular helper and follicular regulatory T cells accountable for imbalanced cytokine production in multiple sclerosis. 2021 , 205, 75-88	1
863	Longitudinal imaging of T-cells and inflammatory demyelination in a preclinical model of multiple sclerosis using F-FAraG PET and MRI. 2021 ,	3
862	Case Report: Antibodies to the N-Methyl-D-Aspartate Receptor in a Patient With Multiple Sclerosis. 2021 , 12, 664364	0
861	Thermal Liquid Biopsy (TLB) of Blood Plasma as a Potential Tool to Help in the Early Diagnosis of Multiple Sclerosis. 2021 , 11,	3
860	Longitudinal analysis of T1w/T2w ratio in patients with multiple sclerosis from first clinical presentation. 2021 , 27, 2180-2190	3
859	Dual-Task Cost and Related Clinical Features in Patients With Multiple Sclerosis. 2021 , 25, 211-233	1
858	Natalizumab, Fingolimod and Dimethyl Fumarate Use and Pregnancy-Related Relapse and Disability in Women With Multiple Sclerosis. 2021 ,	8
857	Susceptibility-weighted Imaging: Technical Essentials and Clinical Neurologic Applications. 2021 , 299, 3-26	16
856	The Evolution of Neurofilament Light Chain in Multiple Sclerosis. 2021, 15, 642384	11
855	Co-existence of multiple sclerosis and germinoma in an adult male: Case report. 2021 , 12, 177	
854	Magnetoencephalography and High-Density Electroencephalography Study of Acoustic Event Related Potentials in Early Stage of Multiple Sclerosis: A Pilot Study on Cognitive Impairment and Fatigue. 2021 , 11,	1
853	MRI characteristics of Japanese macaque encephalomyelitis: Comparison to human diseases. 2021 , 31, 480-492	O
852	A Retrospective Exploratory Analysis on Cardiovascular Risk and Cognitive Dysfunction in Multiple Sclerosis. 2021 , 11,	2
851	Perinatal Depression and Anxiety in Women With Multiple Sclerosis: A Population-Based Cohort Study. 2021 , 96, e2789-e2800	1

850	miR-155 as an Important Regulator of Multiple Sclerosis Pathogenesis. A Review. 2021 , 22,	8
849	Systematic Assessment of Medical Diagnoses Preceding the First Diagnosis of Multiple Sclerosis. 2021 ,	5
848	A Novel Method to Measure Venular Perivascular Spaces in Patients with MS on 7T MRI. 2021 , 42, 1069-1072	1
847	Exit Strategies in Natalizumab-Treated RRMS at High Risk of Progressive Multifocal Leukoencephalopathy: a Multicentre Comparison Study. 2021 , 18, 1166-1174	10
846	Evaluation of Prolonged Walking in Persons with Multiple Sclerosis: Reliability of the Spatio-Temporal Walking Variables during the 6-Minute Walk Test. 2021 , 21,	2
845	Assessment of cognitive functions in patients with multiple sclerosis applying the normative values of the Rao's brief repeatable battery in the Portuguese population. 2021 , 21, 170	O
844	Disability progression in multiple sclerosis is associated with plasma neuroactive steroid profile. 2021 , 42, 5241-5247	2
843	Improving MS patients' understanding of treatment risks and benefits in clinical consultations: A randomised crossover trial. 2021 , 49, 102737	1
842	Speech Pathology-Specific Questionnaire for Persons with Multiple Sclerosis (SMS): adaptation, validation and preliminary assessment of the diagnostic potential. 2021 , 49, 102796	1
841	Can pulse steroid therapy increase the risk of infection by COVID-19 in patients with multiple sclerosis?. 2021 , 203, 106563	4
840	Stereotyped B-cell responses are linked to IgG constant region polymorphisms in multiple sclerosis.	2
839	A Milestone in Multiple Sclerosis Therapy: Monoclonal Antibodies Against CD20-Yet Progress Continues. 2021 , 18, 1602-1622	1
838	Defining the disease course of TNF blockers-associated Multiple Sclerosis. 2021, 353, 577525	3
837	Scoring the 10-year risk of ambulatory disability in multiple sclerosis: the RoAD score. 2021 , 28, 2533-2542	3
836	Subclinical atherosclerosis in patients with relapsing-remitting multiple sclerosis. 2021 , 1	1
835	Multiple sclerosis: prevalence of the 'central vein' sign in white matter lesions on gadolinium-enhanced susceptibility-weighted images. 2021 , 34, 470-475	O
834	Current role of evoked potentials in multiple sclerosis diagnostics and monitoring. 2021, 22, 132-138	
833	Male fertility in relapsing-remitting multiple sclerosis patients treated with natalizumab and ocrelizumab: A prospective case-control study. 2021 , 27, 2284-2287	4

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832	Switch from sequestering to anti-CD20 depleting treatment: disease activity outcomes during wash-out and in the first 6 months of ocrelizumab therapy. 2021 , 13524585211005657	4
831	Relapse recovery in multiple sclerosis: Effect of treatment and contribution to long-term disability. 2021 , 7, 20552173211015503	1
830	Serum ADMA levels were positively correlated with EDSS scores in patients with multiple sclerosis. 2021 , 353, 577497	
829	Apport du dosage des chall nes lgfles libres kappa et lambda dans le diagnostic de la sclfose en plaques. 2021 , 2021, 58-64	
828	Central vein sign and iron rim in multiple sclerosis: ready for clinical use?. 2021, 34, 505-513	4
827	Demyelinating Events Following Initiation of Anti-TNFITherapy in the British Society for Rheumatology Biologics Registry in Rheumatoid Arthritis. 2021 , 8,	4
826	Biomarkers in neurological disorders: a fast-growing market. 2021 , 3, fcab086	1
825	Multiple sclerosis: Is there a risk of worsening after yellow fever vaccination?. 2021 , 27, 2280-2283	O
824	Re-examining the effects of high-dose intravenous methylprednisolone for secondary progressive multiple sclerosis. 2021 , 11, 177-185	
823	Effect of nabiximols on Goal Attainment Scale scores in patients with treatment-resistant multiple sclerosis spasticity. 2021 , 11, 143-153	O
822	Corneal Immune Cells Are Increased in Patients With Multiple Sclerosis. 2021 , 10, 19	5
821	Deciphering Multiple Sclerosis Progression. 2021 , 12, 608491	7
820	Classification Criteria For Pars Planitis. 2021 , 228, 268-274	8
819	The Prognostic Value of White-Matter Selective Double Inversion Recovery MRI Sequence in Multiple Sclerosis: An Exploratory Study. 2021 , 11,	
818	CSF chitinase 3-like 1 is associated with iron rims in patients with a first demyelinating event. 2021 , 1352458	5211010082
817	Sexuality and Multiple Sclerosis: Patient and Doctor Perspectives. 2021 , 18, 743-749	Ο
816	Early diagnosis and treatment of multiple sclerosis. 2021 , 22, 128-131	
815	Editorial: Challenges in the diagnosis and treatment of multiple sclerosis. 2021 , 34, 275-276	

814	Prevalence and determinants of falls in persons with multiple sclerosis without a clinical disability. 2021 , 49, 102771	1
813	Disruption of the Atrophy-based Functional Network in Multiple Sclerosis Is Associated with Clinical Disability: Validation of a Meta-Analytic Model in Resting-State Functional MRI. 2021 , 299, 159-166	О
812	Reduction in circulating vitamin D binding protein in patients with multiple sclerosis. 2021, 21, 168	3
811	Multiple sclerosis in Kenya: Demographic and clinical characteristics of a registry cohort. 2021 , 7, 2055217321	1 <u>6</u> 22782
810	Gene expression profiles of YAP1, TAZ, CRB3, and VDR in familial and sporadic multiple sclerosis among an Iranian population. 2021 , 11, 7713	1
809	Classification of neurological diseases using multi-dimensional CSF analysis. 2021 , 144, 2625-2634	6
808	Multiple sclerosis lesion segmentation from brain MRI using U-Net based on wavelet pooling. 2021 , 16, 1459-1467	2
807	Machine learning classifier to identify clinical and radiological features relevant to disability progression in multiple sclerosis. 2021 , 268, 4834-4845	4
806	ACR Appropriateness Criteria Myelopathy: 2021 Update. 2021 , 18, S73-S82	1
805	Digital Twins for Multiple Sclerosis. 2021 , 12, 669811	32
804	Multimodal peripheral fluid biomarker analysis in clinically isolated syndrome and early multiple sclerosis. 2021 , 50, 102809	0
803	Differentiation between multiple sclerosis and neuromyelitis optica spectrum disorder using optical coherence tomography angiography. 2021 , 11, 10697	2
802	Quantitative signal properties from standardized MRIs correlate with multiple sclerosis disability. 2021 , 8, 1096-1109	1
801	MPRAGE to MP2RAGE UNI translation via generative adversarial network improves the automatic tissue and lesion segmentation in multiple sclerosis patients. 2021 , 132, 104297	2
800	Un caso di vertigine a esordio acuto/subacuto in un adolescente. 2021 , 24, 130-137	
799	In Vivo Induction of Regulatory T Cells Via CTLA-4 Signaling Peptide to Control Autoimmune Encephalomyelitis and Prevent Disease Relapse. 2021 , 8, 2004973	4
798	Kappa-Free Light Chains in CSF Predict Early Multiple Sclerosis Disease Activity. 2021 , 8,	8
797	Can serum glial fibrillary acidic protein (GFAP) solve the longstanding problem of diagnosis and monitoring progressive multiple sclerosis. 2021 , 50, 102931	1

796	COVID-19 in a temporal relation to the onset of multiple sclerosis. 2021 , 50, 102863	5
795	The relationship of HLA-G 14-bp insertion/deletion genetic polymorphism to the risk of multiple sclerosis and its clinical phenotypes. 2021 , 57,	2
794	Use of a panel of four microRNAs in CSF as a predicted biomarker for postoperative neoangiogenesis in moyamoya disease. 2021 , 27, 908-918	1
793	Elucidating distinct clinico-radiologic signatures in the borderland between neuromyelitis optica and multiple sclerosis. 2021 , 1	1
792	Approaches and challenges in the diagnosis and management of secondary progressive multiple sclerosis: A Central Eastern European perspective from healthcare professionals. 2021 , 50, 102778	3
791	The Smartphone App haMSter for Tracking Patient-Reported Outcomes in People With Multiple Sclerosis: Protocol for a Pilot Study. 2021 , 10, e25011	2
790	Effectiveness and safety of cladribine in MS: Real-world experience from two tertiary centres. 2021 , 135	245852)1101222
789	Exosomes From Subjects With Multiple Sclerosis Express EBV-Derived Proteins and Activate Monocyte-Derived Macrophages. 2021 , 8,	4
788	Network Damage Predicts Clinical Worsening in Multiple Sclerosis: A 6.4-Year Study. 2021 , 8,	5
787	Modern Technologies in the Rehabilitation of Patients with Multiple Sclerosis and Their Potential Application in Times of COVID-19. 2021 , 57,	6
786	Assessing brain injury topographically using MR neurite orientation dispersion and density imaging in multiple sclerosis. 2021 , 31, 1003-1013	0
7 ⁸ 5	Interplay Between Cognitive and Bowel/Bladder Function in Multiple Sclerosis. 2021,	o
784	Myelopathies in patients older than 50: not to miss inflammatory etiologies. 2021 , 50, 102826	
783	Association between familial Mediterranean fever and multiple sclerosis: A case series from the JIR cohort and systematic literature review. 2021 , 50, 102834	0
782	Sleep disturbance and memory dysfunction in early multiple sclerosis. 2021, 8, 1172-1182	1
781	Real-world outcomes for a complete nationwide cohort of more than 3200 teriflunomide-treated multiple sclerosis patients in The Danish Multiple Sclerosis Registry. 2021 , 16, e0250820	4
780	Sensitivity of T1/T2-weighted ratio in detection of cortical demyelination is similar to magnetization transfer ratio using post-mortem MRI. 2021 , 13524585211014760	2
779	The Epidemiology of COVID-19 and MS-Related Characteristics in a National Sample of People With MS in China. 2021 , 12, 682729	O

778	Videoconferencing and Multiple Sclerosis Management: Stopgap or Stay Tuned?. 2021 , 1-4	0
777	Perturbed Microbiota/Immune Homeostasis in Multiple Sclerosis. 2021 , 8,	7
776	SIGLEC1 (CD169): a marker of active neuroinflammation in the brain but not in the blood of multiple sclerosis patients. 2021 , 11, 10299	4
775	OCT Variability Prevents Their Use as Robust Biomarkers in Multiple Sclerosis. 2021 , 15, 2025-2036	2
774	False Positive Results in SARS-CoV-2 Serological Tests for Samples From Patients With Chronic Inflammatory Diseases. 2021 , 12, 666114	8
773	Serum Short-Chain Fatty Acids and Associations With Inflammation in Newly Diagnosed Patients With Multiple Sclerosis and Healthy Controls. 2021 , 12, 661493	11
772	Insights on the Relationship Between Hippocampal Connectivity and Memory Performances at the Early Stage of Multiple Sclerosis. 2021 , 12, 667531	1
771	N,N-Dimethylglycine in patients with progressive multiple sclerosis: result of a pilot double-blind, placebo, controlled randomized clinical trial. 2021 , 3, 29	2
770	Simultaneous T and mapping of multiple sclerosis lesions with radial RARE-EPI. 2021 , 86, 1383-1402	0
769	MRI activity and extended interval of Natalizumab dosing regimen: a multicentre Italian study. 2021 , 424, 117385	2
768	Paving the way towards an effective treatment for multiple sclerosis: advances in cell therapy. 2021 , 18, 1353-1374	7
767	RISCOP-Cognitive profile in a Portuguese cohort of radiological isolated syndrome patients: A case-control study. 2021 , 50, 102832	
766	Identification and diagnosis of Secondary Progressive Multiple Sclerosis during the clinical encounter: Results from a physician survey. 2021 , 50, 102858	0
765	Prevalence of neuromyelitis optica spectrum disorder in Belo Horizonte, Southeast Brazil. 2021 , 50, 102807	7
764	Fear and anxiety in patients with multiple sclerosis during COVID-19 pandemic; report of an Iranian population. 2021 , 50, 102798	10
763	Multiple sclerosis patients have reduced resting and increased activated CD4CD25FOXP3T regulatory cells. 2021 , 11, 10476	3
762	Cortical activity and gait parameter characteristics in people with multiple sclerosis during unobstructed gait and obstacle avoidance. 2021 , 86, 226-232	3
761	Long-term trajectory of acquired demyelinating syndrome and multiple sclerosis in children. 2021 , 63, 1059-1065	O

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760	Pediatric inflammatory demyelinating disorders and mimickers: How to differentiate with MRI?. 2021 , 20, 102801	0
759	Cervical spinal degenerative disease in multiple sclerosis. 2021 , 28, 2497-2502	O
758	A matter of atrophy: differential impact of brain and spine damage on disability worsening in multiple sclerosis. 2021 , 268, 4698-4706	3
757	Analysis of frequency and severity of relapses in multiple sclerosis patients treated with cladribine tablets or placebo: The CLARITY and CLARITY Extension studies. 2021 , 13524585211010294	2
756	Monomethyl Fumarate (MMF, Bafiertam) for the Treatment of Relapsing Forms of Multiple Sclerosis (MS). 2021 , 13, 207-223	1
755	Early-Onset Alcohol Dependence and Multiple Sclerosis: Diagnostic Challenges. 2021 , 18,	2
754	Mass Cytometry Identifies Expansion of T-bet B Cells and CD206 Monocytes in Early Multiple Sclerosis. 2021 , 12, 653577	5
753	Rabies vaccination and multiple sclerosis relapse: A retrospective cohort study. 2021 , 51, 102906	O
75 ²	Leg movement activity during sleep in multiple sclerosis with and without RLS. 2021,	1
751	Differential Binding of Autoantibodies to MOG Isoforms in Inflammatory Demyelinating Diseases. 2021 , 8,	2
750	Skin and gut imprinted helper T cell subsets exhibit distinct functional phenotypes in central nervous system autoimmunity. 2021 , 22, 880-892	2
749	Update on brain MRI for the diagnosis and follow-up of MS patients. 2021 , 50, 104067	O
748	Non-standard computer perimetry in the diagnosis of some optic neuropathies. 2021 , 14, 75-87	
747	Freiburg Neuropathology Case Conference: A´42-year-old Patient with Progressive Neurological Deficits, Multiple Brain Lesions and Accompanying Affection of Peripheral Nerves. 2021 , 31, 529-535	O
746	Comparative study of AQP4-NMOSD, MOGAD and seronegative NMOSD: a single-center Belgian cohort. 2021 , 1	3
745	Pre-contrast T1-weighted imaging of the spinal cord may be unnecessary in patients with multiple sclerosis. 2021 , 31, 9316-9323	
744	Effect of Whole-Body Cryotherapy on Morphological, Rheological and Biochemical Indices of Blood in People with Multiple Sclerosis. 2021 , 10,	1
743	Cerebrospinal Fluid Findings in 541 Patients With Clinically Isolated Syndrome and Multiple Sclerosis: A Monocentric Study. 2021 , 12, 675307	6

742	Macular vessel density differs in multiple sclerosis and neuromyelitis optica spectrum disorder: An optical coherence tomography angiography study. 2021 , 16, e0253417	2
741	Approach to SARS-CoV-2 Vaccination in Patients With Multiple Sclerosis. 2021 , 12, 701752	8
740	The prevalence of anti-neurofascin-155 antibodies in patients with neuromyelitis optica spectrum disorders. 2021 , 206, 1-11	3
739	Distinguishing the Diagnosis and Management of Sleep Disturbance and Sleep Disorders in Multiple Sclerosis. 2021 , 56, 157-174	O
738	Designing a Self-Perception Cognitive Questionnaire for Italian Multiple Sclerosis Patients (Sclerosi Multipla Autovalutazione Cognitiva, SMAC). A Preliminary Exploratory Pilot Study. 2021 , 12, 668933	0
737	Memory B Cells in Multiple Sclerosis: Emerging Players in Disease Pathogenesis. 2021 , 12, 676686	5
736	Assessment of Macular Function by Multifocal Electroretinogram in Patients with Multiple Sclerosis Treated with Fingolimod. 2021 , 38, 3986-3996	1
735	10-Weeks of resistance training improves sleep quality and cardiac autonomic control in persons with multiple sclerosis. 2021 , 1-9	О
734	Pregnancy-induced effects on memory B-cell development in multiple sclerosis. 2021 , 11, 12126	0
733	A Pilot Study of 24-h Motor Activity Patterns in Multiple Sclerosis: Pre-Planned Follow-Up at 2 Years. 2021 , 3, 366-376	
732	Effects of low vs. high frequency local vibration on mild-moderate muscle spasticity: Ultrasonographical and functional evaluation in patients with multiple sclerosis. 2021 , 51, 102930	2
73 ¹	Nonlesional diffusely abnormal appearing white matter in clinically isolated syndrome: Prevalence, association with clinical and MRI features, and risk for conversion to multiple sclerosis. 2021 , 31, 981-994	1
730	Genes and environment in multiple sclerosis: Impact of temporal changes in the sex ratio on recurrence risks. 2021 , 13524585211020221	1
729	Neutrophil-lymphocyte ratio as a marker for disability and activity in multiple sclerosis. 2021 , 51, 102921	1
728	Stressful life events and the risk of primary progressive multiple sclerosis: A population-based case-control study. 2021 , 51, 102937	
727	Prenatal and perinatal factors associated with developing multiple sclerosis later in life: A systematic review and meta-analysis. 2021 , 20, 102823	1
726	Resting-State Brain Network Deficits in Multiple Sclerosis Participants: Evidence from Electroencephalography and Graph Theoretical Analysis. 2021 , 11, 359-367	О
725	Description and preliminary experience with Virtual Visit Assessment (ViVA) during the COVID-19 pandemic, a structured virtual management protocol for patients with multiple sclerosis. 2021 , 1	3

724	Evaluation of Month of Birth in Neuromyelitis Optica Spectrum Disorders (NMSOD) and Multiple Sclerosis (MS). 2021 , 2021, 8874999	1
723	State-of-the-Art Review: Demyelinating Diseases in Indonesia. 2021 , 2021, 1278503	
722	Audio and vestibular analyses in patient with multiple sclerosis: a casefontrol study. 1-6	0
721	Intrathecal Immunoglobulin M Synthesis is an Independent Biomarker for Higher Disease Activity and Severity in Multiple Sclerosis. 2021 , 90, 477-489	6
720	Quantitative magnetic resonance imaging of brain anatomy and in vivo histology. 2021, 3, 570-588	22
719	Risk of Persistent Disability in Patients With Pediatric-Onset Multiple Sclerosis. 2021 , 78, 726-735	4
718	Multiple sclerosis projection in Tehran, Iran using Bayesian structural time series. 2021 , 21, 235	2
717	Brainstem lesions are associated with diffuse spinal cord involvement in early multiple sclerosis. 2022 , 22,	
716	Serotonergic drug repurposing in multiple sclerosis: A new possibility for disease-modifying therapy. 13,	O
715	More Than Meets the Eye: Isolated Bilateral Abducens Nerve Palsy as the Initial Presentation of Multiple Sclerosis. 2022 ,	
714	Functional connectivity in the dorsal network of the cervical spinal cord is correlated with diffusion tensor imaging indices in relapsing-remitting multiple sclerosis. 2022 , 103127	О
713	Turning when using a smartphone in persons with and without neurologic conditions: an observational study. (Preprint).	
712	Optical Coherence Tomography and Optical Coherence Tomography with Angiography in Multiple Sclerosis. 2022 , 10, 1386	1
711	Role of Multiple Vitamin D-Related Polymorphisms in Multiple Sclerosis Severity: Preliminary Findings. 2022 , 13, 1307	
710	18F-FDOPA and MRI Findings in a Case of Multiple Sclerosis. Publish Ahead of Print,	О
709	Relationship between cognition and treatment adherence to disease-modifying therapy in multiple sclerosis: a prospective, cross-sectional study. 2022 , 12,	
708	Recent advances in the longitudinal segmentation of multiple sclerosis lesions on magnetic resonance imaging: a review.	0
707	High-dimensional immune profiling identifies a biomarker to monitor dimethyl fumarate response in multiple sclerosis. 2022 , 119,	1

706	Cautious optimism for the future of migraine treatment. 2022 , 52, 1112-1114	
705	Acute posterior multifocal placoid pigment epitheliopathy resembling multiple sclerosis. practneurol-2022-	003463
704	The relationship between stress, anxiety, and depression levels and pseudobulbar affect in patients with Multiple Sclerosis. 1-27	
703	Can strength training modify voluntary activation, contractile properties and spasticity in Multiple Sclerosis?: a randomized controlled trial 2022 , 113932	O
702	Immune aging in multiple sclerosis is characterized by abnormal CD4 T cell activation and increased frequencies of cytotoxic CD4 T cells with advancing age. 2022 , 82, 104179	0
701	Clinical and diagnostic spectrum of optic neuritis: A single-center retrospective study of disorders associated with multiple sclerosis, anti-aquaporin-4 and anti-myelin oligodendrocyte glycoprotein antibodies. 2022 , 221, 107381	
700	Is BDNF related to spatial-temporal gait parameters in people with multiple sclerosis? An observational study. 2022 , 66, 104064	О
699	How to choose initial treatment in multiple sclerosis patients: a case-based approach. 2022 , 80, 159-172	
698	Differential diagnosis of demyelinating diseases: what's new?. 2022 , 80, 137-142	
697	Neurologic adverse events of cancer immunotherapy. 2022 , 80, 270-280	
696	D1 Receptor Blockade Suppresses the Function of Th-17 Cells in Multiple Sclerosis. 2022 , 52, 494-499	
695	The relationship between cognition, education, and employment in multiple sclerosis patients. 2022 , 8, 205521732211183	
694	Trail Making Test Could Predict Impairment in Cognitive Domains in Patients with Multiple Sclerosis: A Study of Diagnostic Accuracy.	
693	Validation of a Denoising Method Using Deep Learning B ased Reconstruction to Quantify Multiple Sclerosis Lesion Load on Fast FLAIR Imaging. 2022 , 43, 1099-1106	O
692	Potential Utility of Natural Products against Oxidative Stress in Animal Models of Multiple Sclerosis. 2022 , 11, 1495	0
691	Association between speech rate measures and cognitive function in people with relapsing and progressive multiple sclerosis. 2022 , 8, 205521732211198	
690	Disease-Modifying Treatments and Time to Loss of Ambulatory Function in Patients With Primary Progressive Multiple Sclerosis.	1
689	Characteristic retinal atrophy pattern allows differentiation between pediatric MOGAD and MS after a single optic neuritis episode.	O

688	Structured Reporting in Multiple Sclerosis ©Consensus-Based Reporting Templates for Magnetic Resonance Imaging of the Brain and Spinal Cord.	
687	No increase of serum neurofilament light in relapsing-remitting multiple sclerosis patients switching from standard to extended-interval dosing of natalizumab. 135245852211080	О
686	The Association of IL7R rs6897932 with Risk of Multiple Sclerosis in Southern Chinese. Volume 18, 1855-1859	Ο
685	Neurodegeneration in multiple sclerosis.	О
684	High-dimensional investigation of the cerebrospinal fluid to explore and monitor CNS immune responses. 2022 , 14,	O
683	Microvascular changes in the macular and parafoveal areas of multiple sclerosis patients without optic neuritis. 2022 , 12,	O
682	Correlates of patient-reported cognitive performance with regard to disability. 2022, 12,	О
681	Seroprevalence of anti-myelin oligodendrocyte glycoprotein antibodies in adults with myelitis.	Ο
680	Potentially Preventable Hospitalizations and Use of Preventive Services Among People with Multiple Sclerosis: Large Cohort Study, USA. 2022 , 104105	
679	IgG derived dendritic cells can induce production of IL-17 by T cells in multiple sclerosis.	
678	High-resolution HLA class II sequencing of Swedish multiple sclerosis patients.	
677	Triplanar U-Net with lesion-wise voting for the segmentation of new lesions on longitudinal MRI studies. 16,	O
676	Abducens Nerve Palsy as a Presenting Symptom of Multiple Sclerosis. 2022 , 52, 291-294	
675	Relation between retina, cognition and brain volumes in MS: a consequence of asymptomatic optic nerve lesions.	
674	Onset of various CNS inflammatory demyelination diseases following COVID-19 vaccinations. 2022 , 104141	Ο
673	Machine learning classification of multiple sclerosis in children using optical coherence tomography. 135245852211126	O
672	COVID-19 y sus implicaciones en el curso clilico-radioligico de la esclerosis mitiple: un estudio de casos y controles. 2022 ,	
671	Occlusive Retinal Vasculitis in Patients with Multiple Sclerosis. 1-8	

670	The comorbidity and cognition in multiple sclerosis (CCOMS) neuroimaging protocol: Study rationale, MRI acquisition, and minimal image processing pipelines. 1,	
669	Progressive Multiple Sclerosis. 2022 , 28, 1083-1103	О
668	Changes of retinal structure and visual function in patients with demyelinating transverse myelitis.	
667	Paramagnetic rims are a promising diagnostic imaging biomarker in multiple sclerosis. 135245852211186	1
666	Ocrelizumab-induced vulvovaginal pyoderma gangrenosum in a patient with relapsing-remitting multiple sclerosis. 2022 ,	0
665	Differentiating central nervous system demyelinating disorders: The role of clinical, laboratory, imaging characteristics and peripheral blood type I interferon activity. 13,	1
664	Increased intrathecal neurofilament light and immunoglobulin M predict severe disability in relapsing-remitting multiple sclerosis. 13,	0
663	Goal-Setting in Multiple Sclerosis-Related Spasticity Treated with Botulinum Toxin: The GASEPTOX Study. 2022 , 14, 582	O
662	Screening for severe drug-drug interactions in patients with multiple sclerosis: A comparison of three drug interaction databases. 13,	
661	Integrated single cell transcriptomics of cerebrospinal fluid cells in early Multiple Sclerosis.	
660	Pediatric Acquired Demyelinating Disorders. 2022 , 28, 1104-1130	
659	MULT°PL SKLEROZDA ANALOJ°K AKIL YRIIME.	
658	Juvenile Idiopathic Arthritis, Uveitis and Multiple Sclerosis: Description of Two Patients and Literature Review. 2022 , 10, 2041	
657	Effect of GBCA Use on Detection and Diagnostic Performance of the Central Vein Sign: Evaluation Using a 3T FLAIR* Sequence in Patients With Suspected Multiple Sclerosis.	1
656	Diagnosis of Multiple Sclerosis. 2022 , 28, 1006-1024	
655	Myelin Oligodendrocyte GlycoproteinAssociated Disorders. 2022 , 28, 1171-1193	
654	Epstein B arr virus and multiple sclerosis.	7
653	Myelin oligodendrocyte glycoprotein-associated disease is associated with BANK1, RNASET2 and TNIP1 polymorphisms. 2022 , 577937	Ο

634	Longitudinal visualization for exploratory analysis of multiple sclerosis lesions. 2022, 107, 208-219	0
633	The heterogeneity of tissue destruction between iron rim lesions and non-iron rim lesions in multiple sclerosis: A diffusion MRI study. 2022 , 66, 104070	1
632	Clinical use of CSF neopterin levels in CNS demyelinating diseases. 2022 , 441, 120385	
631	Association of self-reported adherence to the Mediterranean diet with anthropometric indices, comorbidities, and degree of disability in patients with multiple sclerosis. 2022 , 66, 104060	2
630	Seeing is believing: Identifying remyelination in the central nervous system. 2022 , 66, 102269	1
629	Identification of disability status in persons with multiple sclerosis by lower limb neuromuscular function Emphasis on rate of force development. 2022 , 67, 104082	O
628	Central vein sign in patients with inflammatory lesion of the upper cervical spinal cord on susceptibility weighted imaging at 3 tesla. Preliminary results. 2022 , 93, 11-14	0
627	MR imaging in children with transverse myelitis and acquired demyelinating syndromes. 2022 , 67, 104068	
626	Risk factors for development of lymphopenia in dimethyl fumarate-treated patients with multiple sclerosis. 2022 , 67, 104081	
625	Pattern of thalamic nuclei atrophy in early relapse-onset multiple sclerosis. 2022 , 67, 104083	
624	Validation of a brief cross-cultural cognitive screening test in Multiple Sclerosis. 2022, 67, 104091	1
623	The age at onset of relapsing-remitting multiple sclerosis has increased over the last five decades. 2022 , 68, 104103	1
622	Delayed cognitive processing and treatment status quo bias in early-stage multiple sclerosis. 2022 , 68, 104138	
621	Effects of hippotherapy simulation exercise vs. conventional home exercises on muscle strength and balance in people with multiple sclerosis: A randomized controlled trial. 2022 , 68, 104111	
620	Associated factors of potential drug-drug interactions and drug f ood interactions in patients with multiple sclerosis. 2022 , 13, 204062232211083	0
619	Dynamics of Inflammatory and Neurodegenerative Biomarkers after Autologous Hematopoietic Stem Cell Transplantation in Multiple Sclerosis. 2022 , 23, 10946	1
618	Factors and strategies affecting motor imagery ability in people with multiple sclerosis: a systematic review. 2022 ,	1
617	Correlation between patient-reported manual ability and three objective measures of upper limb function in people with Multiple Sclerosis.	O

616	Validity and reliability characteristics of the Silhouettes Fatigue Scale in measuring multiple sclerosis-related fatigue in Turkish-speaking adults.	О
615	Functional Performance, Leg Muscle Strength, and Core Muscle Endurance in Multiple Sclerosis Patients With Mild Disability: A Cross-Sectional Study. 2022 , 26, 729-747	О
614	Re-examining the characteristics of pediatric multiple sclerosis in the era of antibody-associated demyelinating syndromes. 2022 , 41, 8-18	О
613	sNFL applicability as additional monitoring tool in natalizumab extended interval dosing regimen for RRMS patients. 2022 , 67, 104176	О
612	Transcranial direct current stimulation for spasticity in patients with multiple sclerosis: Exploring novel routes. 2022 , 67, 104191	О
611	Improvement in the multiple sclerosis functional composite score by multi-function swing suspension training program. 2022 , 67, 104174	O
610	Interpreting the clinical importance of the relationship between subjective fatigue and cognitive impairment in multiple sclerosis (MS): How BICAMS performance is affected by MS-related fatigue. 2022 , 67, 104161	О
609	Cognitive-motor interference in people with mild to moderate multiple sclerosis, in comparison with healthy controls. 2022 , 67, 104181	О
608	Clinical onset of CNS demyelinating disease after COVID-19 vaccination: denovo disease?. 2022 , 67, 104175	О
607	Stages of brain volume loss and performance in the Brief International Cognitive Assessment for Multiple Sclerosis. 2022 , 67, 104183	О
606	Prevalence of multiple sclerosis in Guangzhou, China: A population-based case-finding prospective study. 2022 , 68, 104151	О
605	Cut-off evaluation of intrathecal oligoclonal bands of IgM in relapsing-remitting multiple sclerosis; a retrospective study. 2022 , 68, 104188	О
604	Multiple sclerosis and migraine: Links, management and implications. 2022 , 68, 104152	О
603	Relapses after SARS-CoV-2 vaccination in patients with neuromyelitis optica spectrum disorder and multiple sclerosis. 2022 , 68, 104167	2
602	Core stability-based balance training and kinesio taping for balance, trunk control, fear of falling and walking capacity in patients with multiple sclerosis: A randomized single-blinded study. 2022 , 68, 104178	О
601	Epstein B arr virus antibody in newly diagnosed multiple sclerosis patients and its association with relapse severity and lesion location. 2022 , 68, 104149	О
600	That would have been the perfect thing after diagnosis Idevelopment of a digital lifestyle management application in multiple sclerosis. 2022 , 15, 175628642211187	O
599	Expression analysis of miRNAs from the DLK1-DIO3 locus in CD4+ and CD14+ cells in patients with relapsing-remitting multiple sclerosis. 2022 , 122, 52	О

598	Detection of lesions in the optic nerve with magnetic resonance imaging using a 3D convolutional neural network. 2022 , 36, 103187	О
597	A comparative assessment of myelin-sensitive measures in multiple sclerosis patients and healthy subjects. 2022 , 36, 103177	O
596	Differential diagnosis of multiple sclerosis in children. 2022 , 122, 60	О
595	Functional connectivity dynamics reflect disability and multi-domain clinical impairment in patients with relapsing-remitting multiple sclerosis. 2022 , 36, 103203	O
594	Pathologie inflammatoire du´systthe nerveux central. 2022 , 57-74	О
593	Cortical lesions, central vein sign, and paramagnetic rim lesions in multiple sclerosis: Emerging machine learning techniques and future avenues. 2022 , 36, 103205	1
592	Immunotherapy-responsive recurrent extensive white matter disease without neuronal or glial surface antibodies: A case report. 2022 , 2, 100142	О
591	Timely intervention, monitoring and education MATTERS in MS (TIME MATTERS in MS): Development of a globally applicable quality improvement tool. 2022 , 8, 205521732211240	O
590	Multiple sclerosis. 2022 , 81, 173-183	О
589	Is It Time for Ocrelizumab Extended Interval Dosing in Relapsing Remitting MS? Evidence from An Italian Multicenter Experience During the COVID-19 Pandemic.	O
588	The Brave New World of Early Treatment of Multiple Sclerosis: Using the Molecular Biomarkers CXCL13 and Neurofilament Light to Optimize Immunotherapy. 2022 , 10, 2099	0
587	Somatosensory evoked potentials and their relation to microstructural damage in patients with multiple sclerosis whole brain DTI study. 13,	o
586	Reliability and acceptance of dreaMS, a software application for people with multiple sclerosis: a feasibility study.	О
585	Optical Coherence Tomography in Chronic Relapsing Inflammatory Optic Neuropathy, Neuromyelitis Optica and Multiple Sclerosis: A Comparative Study. 2022 , 12, 1140	O
584	Validation of cognitive screening questionnaire for neurological disorders (CSQND) for screening of cognitive complaints among patients with multiple sclerosis. 2022 , 58,	О
583	Factors Related to the Progression of Clinically Isolated Syndrome to Multiple Sclerosis: A Retrospective Study in Lithuania. 2022 , 58, 1178	O
582	Application of the International Interocular Difference Thresholds into Practice: Localising the Patient Experience. 1-8	0
581	Hybrid and vaccine-induced immunity against SAR-CoV -2 in MS patients on different disease-modifying therapies. 2022 , 9, 1643-1659	O

580	Gadolinium-enhanced brain lesions in multiple sclerosis relapse. 2022 , 37, 557-563	0
579	Rapid, non-contact multifocal visual assessment in multiple sclerosis.	O
578	Evaluation of CSF kappa free light chains for the diagnosis of multiple sclerosis (MS): a comparison with oligoclonal bands (OCB) detection via isoelectric focusing (IEF) coupled with immunoblotting. jclinpath-2	022-20835
577	The Role of Multiple Sclerosis Therapies on the Dynamic of Human Gut Microbiota.	O
576	T Lymphocyte Serotonin 5-HT7 Receptor Is Dysregulated in Natalizumab-Treated Multiple Sclerosis Patients. 2022 , 10, 2418	1
575	Autoreactive lymphocytes in multiple sclerosis: Pathogenesis and treatment target. 13,	2
574	An algorithm to determine the date when the McDonald criteria are met for the diagnosis of relapsing-remitting multiple sclerosis. 2022 ,	0
573	The Prevalence, Demographics, Clinical Features, Neuroimaging, and Interethnic Differences of MOG Disease in Malaysia with Global Perspectives. 2022 , 104168	O
572	Model of the Relationship of Religiosity and Happiness of Multiple Sclerosis Patients from Poland: The Role of Mediating and Moderating Variables. 2022 , 13, 862	О
571	Torso based balance weighting versus tailored physical therapy program in postural control in patients with multiple sclerosis. 2022 , 22, 142-147	О
570	The mSteps pilot study: Analysis of the distance walked using a novel smartphone application in multiple sclerosis. 135245852211240	О
569	Optic neuritis and autoimmune optic neuropathies: advances in diagnosis and treatment. 2022,	O
568	Vaccination willingness in association with personality traits in patients with multiple sclerosis in the course of SARS-CoV-2 pandemic. 2022 , 12,	0
567	Neurodegeneration and humoral response proteins in cerebrospinal fluid associate with pediatric-onset multiple sclerosis and not monophasic demyelinating syndromes in childhood. 1352458522112	283
566	Immunoadsorption versus double-dose methylprednisolone in refractory multiple sclerosis relapses. 2022 , 19,	2
565	Optic Neuritis in Multiple Sclerosis Review of Molecular Mechanisms Involved in the Degenerative Process. 2022 , 44, 3959-3979	О
564	Multiple sclerosis in sarcoidosis patients: Two case reports. 2022 , 10,	О
563	Evaluation of Disability Progression in Multiple Sclerosis via Magnetic-Resonance-Based Deep Learning Techniques. 2022 , 23, 10651	O

562	The role of machine learning in developing non-magnetic resonance imaging based biomarkers for multiple sclerosis: a systematic review. 2022 , 22,	0
561	Astrocytic SARM1 promotes neuroinflammation and axonal demyelination in experimental autoimmune encephalomyelitis through inhibiting GDNF signaling. 2022 , 13,	o
560	The Translatability of Multiple Sclerosis Animal Models for Biomarkers Discovery and Their Clinical Use. 2022 , 23, 11532	O
559	Intrathecal B cell-related markers for an optimized biological investigation of multiple sclerosis patients. 2022 , 12,	O
558	Association of spinal cord lesions with cognition in multiple sclerosis. 2022 , 47, 1040-1049	О
557	Cytokine Secretion Dynamics of Isolated PBMC after Cladribine Exposure in RRMS Patients. 2022 , 23, 10262	О
556	Good prospects for optic neuropathies. 2022 ,	0
555	Discontinuation of second- versus first-line disease-modifying treatment in middle-aged patients with multiple sclerosis.	О
554	MRI Findings and Topographic Distribution of Lesions in Metronidazole-Induced Encephalopathy. 2022 ,	О
553	Response to the letter synthetic double inversion recovery (DIR) and phase-sensitive inversion recovery (PSIR) images showed better delineation of multiple sclerosis plaques. 2022 , 64, 1915-1916	О
552	IL-27 shapes the immune properties of human astrocytes and their impact on encountered human T lymphocytes. 2022 , 19,	0
551	Treatable Ataxias: How to Find the Needle in the Haystack?. 2022 , 15, 206-226	O
550	Predictive Factors for Magnetic Resonance Imaging Changes Suggestive of Demyelination in Adult Patients with Uveitis Scanned Prior to Commencing Adalimumab Therapy. 1-9	0
549	Progressive motor neuron syndromes with single CNS lesions and CSF oligoclonal bands: never forget solitary sclerosis!.	O
548	Safety and efficacy of tyrosine kinase inhibitors for the treatment of multiple sclerosis: A systematic review and meta-analysis from randomized controlled trials. 13,	0
547	Clinical and Genetic Analysis in Pediatric Patients with Multiple Sclerosis and Related Conditions: Focus on DR Genes of the Major Histocompatibility Complex. 2022 , 16,	О
546	Sensitivity and Specificity of Central Vein Sign as a Diagnostic Biomarker in Egyptian Patients with Multiple Sclerosis. Volume 18, 1985-1992	О
545	Neurofilament light chain in blood as a diagnostic and predictive biomarker for multiple sclerosis: A systematic review and meta-analysis. 2022 , 17, e0274565	О

544	Exposure to natalizumab throughout pregnancy: effectiveness and safety in an Italian cohort of women with multiple sclerosis. jnnp-2022-329657	O
543	Reduced brain oxygen metabolism in patients with multiple sclerosis: Evidence from dual-calibrated functional MRI. 0271678X2211218	O
542	Cognitive-motor telerehabilitation in multiple sclerosis (CoMoTeMS): study protocol for a randomised controlled trial. 2022 , 23,	0
541	Investigation of Neuropathic Pain Distribution and Related Factors in People with Multiple Sclerosis. 2022 , 2, 46-51	O
540	Relationship Between Upper Extremity Functions and Gait in People with Multiple Sclerosis. 2022 , 2, 41-45	O
539	Rehabilitation to Improve Gaze and Postural Stability in People With Multiple Sclerosis: A Randomized Clinical Trial. 154596832211241	O
538	Diagnosis and classification of optic neuritis. 2022,	3
537	Heterogeneity on long-term disability trajectories in patients with secondary progressive MS: a latent class analysis from Big MS Data network. jnnp-2022-329987	O
536	Clinical and epidemiological features of multiple sclerosis in Republic of Ingushetia. 2022, 3, 76-84	0
535	COVID-19 and the risk of CNS demyelinating diseases: A systematic review. 13,	O
534	Antibodies against the flotillin-1/2 complex in patients with multiple sclerosis.	0
533	Early predictors of disability in paediatric multiple sclerosis: evidence from a multi-national registry. jnnp-20	22-329713
532	Evidence for an Intrathecal Immunoglobulin Synthesis by Kappa Free Light Chains in Neurological Patients with an Isolated Band in Isoelectric Focusing. 2022 , 10, 2202	O
531	Relationship between cerebrospinal fluid biomarkers of inflammation and tissue damage in primary progressive multiple sclerosis. 2022 , 104209	O
530	Bilateral horizontal gaze palsy as the only manifestation of demyelination in the central nervous system. 2022 , 27, 81-85	0
529	Biomarkers of demyelination and axonal damage are decreased after autologous hematopoietic stem cell transplantation for multiple sclerosis. 2022 , 104210	O
528	Disease activity after discontinuation of disease-modifying therapies in patients with multiple sclerosis in Argentina: data from the nationwide registry RelevarEM. 1-6	O
527	Replacing sitting with light-intensity physical activity throughout the day versus 1 bout of vigorous-intensity exercise: similar cardiometabolic health effects in multiple sclerosis. A randomised cross-over study. 1-10	O

526	Differentiating Multiple Sclerosis From AQP4-Neuromyelitis Optica Spectrum Disorder and MOG-Antibody Disease With Imaging. 10.1212/WNL.00000000001465	1
525	Sensitivity and specificity of visual evoked potentials for early diagnosis of demyelinating diseases. 2022 , 2, 193-198	O
524	Dorsal medulla surface texture: Differentiating neuromyelitis optica spectrum disorder from multiple sclerosis.	0
523	COVID-19 Pandemisi ve Karantina Dfieminde Bcuklarda Otoimmfi Hastalklar ā Skl līā Pandemi ficesi Dfieme Gfie De lī mi.	O
522	Asymptomatic MRI lesions in pediatric-onset AQP4-IgG positive NMOSD. 2022, 104215	0
521	Cognitive dual-task cost depends on the complexity of the cognitive task, but not on age and disease. 13,	O
520	Cholesterol levels in plasma and cerebrospinal fluid in patients with clinically isolated syndrome and relapsing-remitting multiple sclerosis. 2022 , 105889	0
519	Identification of specific causes of myelopathy in a large cohort of patients initially diagnosed with transverse myelitis. 2022 , 442, 120425	1
518	Remission of idiopathic retroperitoneal fibrosis by ofatumumab as a disease-modifying therapy for multiple sclerosis. 2022 , 29, 100428	0
517	Neurologic autoimmune diseases. 2022 , 887-975	O
517 516	Neurologic autoimmune diseases. 2022 , 887-975 MillsEyndrome. 2022 , 122, 138	0
516	Mills[syndrome. 2022, 122, 138 An Analysis of Clinico-radiological Features and Outcome in Patients with Longitudinally Extensive	О
516 515	Millslæyndrome. 2022, 122, 138 An Analysis of Clinico-radiological Features and Outcome in Patients with Longitudinally Extensive Transverse Myelitis. 2022, 70, 1925 Effects of pulsed electromagnetic field therapy on fatigue, walking performance, depression, and	0
516 515 514	Mills[syndrome. 2022, 122, 138 An Analysis of Clinico-radiological Features and Outcome in Patients with Longitudinally Extensive Transverse Myelitis. 2022, 70, 1925 Effects of pulsed electromagnetic field therapy on fatigue, walking performance, depression, and quality of life in adults with multiple sclerosis: a randomized placebo-controlled trial. 2022, 26, 100449	0
516 515 514 513	Millslyndrome. 2022, 122, 138 An Analysis of Clinico-radiological Features and Outcome in Patients with Longitudinally Extensive Transverse Myelitis. 2022, 70, 1925 Effects of pulsed electromagnetic field therapy on fatigue, walking performance, depression, and quality of life in adults with multiple sclerosis: a randomized placebo-controlled trial. 2022, 26, 100449 B cell depletion attenuates CD27 signaling of T helper cells in multiple sclerosis. Oligoclonal M bands and cervical spinal cord lesions predict early secondary progressive multiple	0 0
516 515 514 513 512	Millssyndrome. 2022, 122, 138 An Analysis of Clinico-radiological Features and Outcome in Patients with Longitudinally Extensive Transverse Myelitis. 2022, 70, 1925 Effects of pulsed electromagnetic field therapy on fatigue, walking performance, depression, and quality of life in adults with multiple sclerosis: a randomized placebo-controlled trial. 2022, 26, 100449 B cell depletion attenuates CD27 signaling of T helper cells in multiple sclerosis. Oligoclonal M bands and cervical spinal cord lesions predict early secondary progressive multiple sclerosis. 13, Diagnostic performance of artificial intelligence in multiple sclerosis: a systematic review and	O O O

508	Early remission in multiple sclerosis is linked to altered coherence of the Cerebellar Network. 2022 , 20,	1
507	Aerospace Medicine Clinic. 2022, 93, 764-766	О
506	Reliability and validity of the Turkish version of speech pathology-specific questionnaire for persons with multiple sclerosis (SMS-TR). 1-8	0
505	Toward In Vivo MRI of the Tissue Proton Exchange Rate in Humans. 2022 , 12, 815	1
504	Prior optic neuritis detection on peripapillary ring scans using deep learning.	O
503	Isokinetic Resistance Training for Ankle Plantarflexor Spasticity and Muscle Weakness in People with Multiple Sclerosis: A Proof-of-Concept Case Series.	O
502	Correlation analysis between foveal avascular zone and near peripheral retinal hypoperfusion in multiple sclerosis: a wide field optical coherence tomography angiography study. 9,	O
501	Change in upper limb function in people with multiple sclerosis treated with nabiximols: a quantitative kinematic pilot study.	О
500	Lesion follows function: video-oculography compared with MRI to diagnose internuclear ophthalmoplegia in patients with multiple sclerosis.	0
499	Prefrontal hemodynamics during forward and backward walking, with and without a cognitive task, in people with MS: An fNIRS study.	O
498	The association between PD-1 gene polymorphisms and susceptibility to multiple sclerosis. 1-8	O
497	Microglial/macrophage activation in the cerebrospinal fluid of neuromyelitis optica spectrum disorders.	О
496	Updates and advances in multiple sclerosis neurotherapeutics.	1
495	Immunopathogenesis, Diagnosis, and Treatment of Multiple Sclerosis. 2022,	O
494	Persistent MRI-negativellupus myelitis-disease presentation, immunological profile and outcome. 13,	0
493	Multiple Sclerosis Followed by Neuromyelitis Optica Spectrum Disorder. 2023 , 10, e200037	o
492	Neurofilament Light Chain Levels Are Predictive of Clinical Conversion in Radiologically Isolated Syndrome. 2023 , 10, e200044	0
491	Automated segmentation of multiple sclerosis lesions based on convolutional neural networks. 1-19	О

490	Somatosensory evoked potentials and magnetic resonance imaging of the central nervous system in early multiple sclerosis.	O
489	Diagnosis and treatment of progressive multiple sclerosis: A position paper.	O
488	Validation of the Czech Version of the Dysphagia in Multiple Sclerosis Questionnaire (DYMUS).	O
487	Involvement of NINJ2 Protein in Inflammation and Blood B rain Barrier Transmigration of Monocytes in Multiple Sclerosis. 2022 , 13, 1946	O
486	Serum and CSF Biomarkers Predict Active Early Cognitive Decline Rather Than Established Cognitive Impairment at the Moment of RRMS Diagnosis. 2022 , 12, 2571	1
485	Whole-brain propagation delays in multiple sclerosis, a combined tractography - magnetoencephalography study. JN-RM-0938-22	O
484	No seasonality in the risk of multiple sclerosis in an equatorial country: A casefontrol ecological study. 135245852211300	О
483	Fecal Lcn-2 level is a sensitive biological indicator for gut dysbiosis and intestinal inflammation in multiple sclerosis. 13,	O
482	Measurement of D-dimer in cerebrospinal fluid using a luminescent oxygen channeling immunoassay. 13,	O
481	New lesion segmentation for multiple sclerosis brain images with imaging and lesion-aware augmentation. 16,	O
480	Multiple Sclerosis Diagnosis Using Machine Learning and Deep Learning: Challenges and Opportunities. 2022 , 22, 7856	4
479	Investigating the role of common and rare variants in multiplex multiple sclerosis families reveals an increased burden of common risk variation. 2022 , 12,	O
478	A Review of Compartmentalised Inflammation and Tertiary Lymphoid Structures in the Pathophysiology of Multiple Sclerosis. 2022 , 10, 2604	O
477	Semisupervised white matter hyperintensities segmentation on MRI.	O
476	Metabolic Syndrome parameters and Multiple Sclerosis disease outcomes: a Portuguese cross-sectional study. 2022 , 104370	O
475	Correlation between ER⊞gene polymorphism and multiple sclerosis and neuromyelitis optica. 2022 , 101, e31126	O
474	Patient's perspective in clinical practice to assess and predict disability in multiple sclerosis. 2022 , 12,	О
473	Primary angiitis of the central nervous system as a mimic of multiple sclerosis: A case report. 2022 , 577991	O

472	Inflammatory Optic Neuropathy as a Presenting Feature of Cerebral Autosomal Dominant Arteriopathy With Subcortical Infarcts and Leukoencephalopathy. 194187442211326	O
471	Genetic risk variants for multiple sclerosis are linked to differences in alternative pre-mRNA splicing. 13,	O
470	Tablet app-based dexterity training in multiple sclerosis (TAD-MS): a randomized controlled trial. 1-11	О
469	Trans-Endothelial Migration of Memory T Cells Is Impaired in Alemtuzumab-Treated Multiple Sclerosis Patients. 2022 , 11, 6266	Ο
468	CSF CXCL13 and Chitinase 3-like-1 Levels Predict Disease Course in Relapsing Multiple Sclerosis.	1
467	Case Report and Clinical Reasoning: Fulminant Liver Failure and Invasive Aspergillosis Following Ocrelizumab Treatment in a 21 Year-Old Woman. 194187442211303	0
466	Clinical Reasoning: A 6-Year-Old Girl With Right-Sided Pain and Weakness. 10.1212/WNL.000000000201481	0
465	Quantification and Proximal-to-Distal Distribution Pattern of Tibial Nerve Lesions in Relapsing-Remitting Multiple Sclerosis.	O
464	Trends in the environmental risks associated with earlier onset in multiple sclerosis. 2022, 104250	2
463	Involvement of the central nervous system in patient with chronic in ill mmatory demyelinating polyneuropathy: a case report. 2022 , 13, 77-87	O
462	Effect of Estimated Blood Volume and Body Mass Index on GFAP and NfL Levels in the Serum and CSF of Patients With Multiple Sclerosis. 2023 , 10, e200045	1
461	Pathogenic and clinical implications of serum protein biomarkers in idiopathic transverse myelitis.	O
460	Development of the Web-Based Spanish Version of the Barthel Index in Patients with Multiple Sclerosis. 2022 , 19, 13965	O
459	A proposed new taxonomy of cognitive phenotypes in multiple sclerosis: The International Classification of Cognitive Disorders in MS (IC-CoDiMS). 135245852211279	O
458	Toward an Automatic Assessment of Cognitive Dysfunction in RelapsingRemitting Multiple Sclerosis Patients Using Eye Movement Analysis. 2022 , 22, 8220	0
457	Oral health-related quality of life is more strongly correlated with mental health than with oral health in relapsing-remitting multiple sclerosis.	O
456	Brain age gap in neuromyelitis optica spectrum disorders and multiple sclerosis. jnnp-2022-329680	0
455	Quantitative spinal cord MRI and sexual dysfunction in multiple sclerosis. 2022 , 8, 205521732211321	1

454	Dynamic changes in kynurenine pathway metabolites in multiple sclerosis: A systematic review. 13,	0
453	Glucocorticoids and COVID-19. 2022 , 185, 106511	1
452	Contemporary study of multiple sclerosis disability in South East Wales. jnnp-2022-330013	0
451	Perturbation-based Balance Training to improve postural responses and falls in people with multiple sclerosis: a randomized controlled trial. 1-7	O
450	Argentinean consensus recommendations for the use of telemedicine in clinical practice in adult people with multiple sclerosis.	0
449	MCAM+ brain endothelial cells contribute to neuroinflammation by recruiting pathogenic CD4+ T lymphocytes.	1
448	Performance in information processing speed is associated with parietal white matter tract integrity in multiple sclerosis. 13,	0
447	Training-dependent plasticity and far transfer effect enhanced by Bobath rehabilitation in Multiple Sclerosis. 2022 , 68, 104241	O
446	K index utility as diagnostic and prognostic biomarker in the assessment of patients with suspected Multiple Sclerosis. 2022 , 373, 577992	0
445	Epidemiologic trends of multiple sclerosis in Puerto Rico (2013🛭 020). 2022 , 68, 104240	O
444	B-lymphocyte-guided retreatment contributes to establish good effectiveness and safety profile in MS patients treated with rituximab. 2022 , 68, 104218	0
443	Objective perimetry and progression of multiple sclerosis. 2022 , 29, 100430	O
442	Posterior tibial nerve stimulation as a neuromodulation therapy in treatment of neurogenic overactive bladder in multiple sclerosis: A prospective randomized controlled study. 2022 , 68, 104252	0
441	Modulation of salivary ICAM-1 and SIRT1 by disease modifying drugs in undepressed relapsing-remitting multiple sclerosis patients. 2022 , 68, 104257	О
440	Brain volumetric correlates of remotely versus in-person administered symbol digit modalities test in multiple sclerosis. 2022 , 68, 104247	0
439	Ocrelizumab treatment in newly diagnosed multiple sclerosis patients with previous Hodgkin's lymphoma. 2022 , 2, 100151	O
438	Feasibility of a smartphone app to monitor patient reported outcomes in multiple sclerosis: The haMSter interventional trial. 2022 , 8, 205520762211353	О
437	Demyelinating syndromes and movement disorders. 2023 , 567-584	O

436	Reply to the Letter: Abnormal cerebrospinal fluid composition can accompany CNS involvement in COVID-19[12022, 80, 979-982	О
435	Bright light therapy as a non-pharmacological treatment option for multiple sclerosis-related fatigue: A randomized sham-controlled trial. 2022 , 8, 205521732211332	1
434	Association of the retinal vasculature, intrathecal immunity, and disability in multiple sclerosis. 13,	О
433	Optical coherence tomography as a prognostic tool for disability progression in MS: a systematic review.	O
432	Multiple sclerosis patients lesponse to COVID-19 pandemic and vaccination in Egypt. 2022 , 58,	О
431	Commercial volumetric MRI reporting tools in multiple sclerosis: a systematic review of the evidence.	О
430	Serum Neurofilament Light Chain and Glial Fibrillary Acidic Protein as Biomarkers in Primary Progressive Multiple Sclerosis and Hereditary Spastic Paraplegia Type 4. 2022 , 23, 13466	О
429	Limb apraxia in individuals with Multiple Sclerosis: is there a role of semi-immersive virtual reality in treating the Cinderella of neuropsychology?. 2022 , 104405	1
428	Maternal Multiple Sclerosis and Offspring Cognitive and Behavioral Development: What Do We Know until Now?. 2022 , 9, 1716	О
427	Synthetic Post-Contrast Imaging through Artificial Intelligence: Clinical Applications of Virtual and Augmented Contrast Media. 2022 , 14, 2378	O
426	Persistence with Botulinum Toxin Treatment for Spasticity Symptoms in Multiple Sclerosis. 2022 , 14, 774	1
425	The Impact of Highly Effective Treatment in Pediatric-Onset Multiple Sclerosis: A Case Series. 2022 , 9, 1698	О
424	Myelitis features and outcomes in CNS demyelinating disorders: Comparison between multiple sclerosis, MOGAD, and AQP4-IgG-positive NMOSD. 13,	1
423	Alterations of Thalamic Nuclei Volumes and the Intrinsic Thalamic Structural Network in Patients with Multiple Sclerosis-Related Fatigue. 2022 , 12, 1538	O
422	Working memory dysfunction differs between secondary progressive and relapsing multiple sclerosis: effects of clinical phenotype, age, disease duration, and disability. 2022 , 104411	O
421	In silico clinical trials for relapsing-remitting multiple sclerosis with MS TreatSim. 2022 , 22,	O
420	Brief International Cognitive Assessment for MS (BICAMS) and global brain volumes in early stages of MS 🖟 longitudinal correlation study. 2022 , 104398	O
419	A continuum of languishing to flourishing: exploring experiences of psychological resilience in multiple sclerosis family caregivers. 2022 , 17,	О

418	Immune-mediated diseases involving central and peripheral nervous systems.	O
417	Machine learning-optimized Combinatorial MRI scale (COMRISv2) correlates highly with cognitive and physical disability scales in Multiple Sclerosis patients. 2,	O
416	Resting-state functional MRI in multicenter studies on multiple sclerosis: a report on raw data quality and functional connectivity features from the Italian Neuroimaging Network Initiative.	О
415	Ensemble machine learning identifies genetic loci associated with future worsening of disability in people with multiple sclerosis. 2022 , 12,	O
414	Multiplex Analysis of Serum Cytokine Profiles in Systemic Lupus Erythematosus and Multiple Sclerosis. 2022 , 23, 13829	О
413	Analysis of herpesvirus infection and genome single nucleotide polymorphism risk factors in multiple sclerosis, Volga federal district, Russia. 13,	O
412	The relation between the symbol digit modalities test, fatigue, depression, and anxiety symptoms in a Belgian MS cohort.	О
411	Neurofilament light chains in serum as biomarkers of axonal damage in early MS lesions: a histologicalBerological correlative study.	O
410	Serum GFAP and NfL Levels Differentiate Subsequent Progression and Disease Activity in Patients With Progressive Multiple Sclerosis. 2023 , 10, e200052	1
409	Cognitive deficits in multiple sclerosis: Auditory and Visual Attention and inhibitory Control.	O
408	Mitochondrial Impairments in Peripheral Blood Mononuclear Cells of Multiple Sclerosis Patients. 2022 , 11, 1633	О
407	Periventricular diffusion gradient of normal-appearing white matter and its transcriptional signatures in normal aging and multiple neurological diseases.	O
406	Kappa Free Light Chain Biomarkers Are Efficient for the Diagnosis of Multiple Sclerosis. 2023, 10, e200049	1
405	Integration of small RNAs from plasma and cerebrospinal fluid for classification of multiple sclerosis. 13,	O
404	VEP Score of a Left Eye Had Predictive Values for Achieving NEDA-3 over Ten Years in Patients with Multiple Sclerosis. 2022 , 22, 8849	О
403	Health-related quality of life in Japanese patients with multiple sclerosis.	O
402	What is the potential of paramagnetic rim lesions as diagnostic indicators in multiple sclerosis?. 1-9	О
401	Objective and subjective measures of daily physical activity in persons with Multiple Sclerosis beginning a rehabilitation regime: A cross-sectional study. 2022 , 68, 104394	O

400	Characteristics of cognitive impairment in multiple sclerosis patients depending on different risk factors. 2021 , 39-48	0
399	Chasing Shadows: Cytologically detected Shadow Cells in the Cerebrospinal Fluid of Patients with Multiple Sclerosis. 2022 , 104420	Ο
398	Subtypes of Relapsing-Remitting Multiple Sclerosis Identified by Network Analysis.	Ο
397	Dimethyl fumarate delays multiple sclerosis in radiologically isolated syndrome.	O
396	Prognostic Significance of Neurofilament light in Fingolimod therapy for Multiple Sclerosis: A Systemic Review and Meta-Analysis based on Randomized Control Trials. 2022 , 104416	0
395	Longitudinal Postvaccine SARS-CoV-2 Immunoglobulin G Titers, Memory B-Cell Responses, and Risk of COVID-19 in Multiple Sclerosis Over 1 Year. 2023 , 10, e200043	Ο
394	Comparing pre- and post-diagnosis presentations of multiple sclerosis and other inflammatory diseases in primary care: an agnostic study of French and British health records	Ο
393	Multiple sclerosis progression: time for a new mechanism-driven framework. 2022,	O
392	Optical coherence tomography (OCT) measurements and cognitive performance in multiple sclerosis: a systematic review and meta-analysis.	Ο
391	Multiple Sclerosis and Neuromyelitis Optica Spectrum Disorder: Onset Following Acute COVID-19 Infection, a Case Series.	O
390	Experience of remote rehabilitation for patients with multiple sclerosis. 2022, 122, 69	Ο
389	Patient Satisfaction in a Multidisciplinary Multiple Sclerosis Care Unit: A Swiss Single-centre Study. 2022 , 18, 142	Ο
388	Comparative effectiveness of natalizumab versus ocrelizumab in multiple sclerosis: a real-world propensity scorefhatched study. 2022 , 15, 175628642211429	Ο
387	Effect of immersive virtual reality training on hand-to-mouth task performance in people with Multiple Sclerosis: A quantitative kinematic study. 2023 , 69, 104455	Ο
386	Changes in diffusion tensor imaging indices in basal ganglia and thalamus of patients with Relapsing-Remitting Multiple Sclerosis and relation with clinical conditions: A case-control study. 2023 , 10, 100465	0
385	Early onset multiple sclerosis and the effect of disease onset age on neurological disability in multiple sclerosis. 2023 , 224, 107528	Ο
384	Mobility and balance rehabilitation in multiple sclerosis: A systematic review and dose-response meta-analysis. 2023 , 69, 104424	0
383	Relapsing-remitting and primary progressive multiple sclerosis treated with ocrelizumab: A comparative study. 2023 , 69, 104441	O

382	Effect of multiple sclerosis disease-modifying therapies on the real-world effectiveness of two doses of BBIBP-CorV (Sinopharm) vaccine. 2023 , 444, 120518	O
381	Liposome-based nanoparticles impact on regulatory and effector phenotypes of macrophages and T cells in multiple Sclerosis patients. 2023 , 292, 121930	O
380	Health economic outcomes of switching to alemtuzumab from other disease-modifying therapies in people with multiple sclerosis in the USA. 2023 , 12,	0
379	Facial emotion impairment in multiple sclerosis is linked to modifying observation strategies of emotional faces. 2023 , 69, 104439	O
378	Experiences of health tracking in mobile apps for multiple sclerosis: A qualitative content analysis of user reviews. 2023 , 69, 104435	O
377	Sensitivity of conventional cognitive tests in multiple sclerosis: Application of item response theory. 2023 , 69, 104440	O
376	Clinical correlates of state and trait anxiety in multiple sclerosis. 2023, 69, 104431	0
375	Cognitive fatigue-related sensory gating deficits in people with multiple sclerosis. 2023, 176, 105950	O
374	Age-related blood transcriptional regulators affect disease progression in pediatric multiple sclerosis. 2023 , 176, 105953	О
373	Arzneimittelversorgung bei Multipler Sklerose. 2022 , 139-159	O
373 372	Arzneimittelversorgung bei Multipler Sklerose. 2022, 139-159 Circulating CCR6 + ILC proportions are lower in multiple sclerosis patients. 2022, 11,	0
372	Circulating CCR6 + ILC proportions are lower in multiple sclerosis patients. 2022 , 11, Fragiles but Resilient. The Key Strategies to Cope with Pandemic in Persons with Multiple Sclerosis.	0
37 ² 37 ¹	Circulating CCR6 + ILC proportions are lower in multiple sclerosis patients. 2022 , 11, Fragiles but Resilient. The Key Strategies to Cope with Pandemic in Persons with Multiple Sclerosis. A Controlled Web Survey. 2021 , 3, 31-49	0
37 ² 37 ¹ 37 ⁰	Circulating CCR6 + ILC proportions are lower in multiple sclerosis patients. 2022 , 11, Fragiles but Resilient. The Key Strategies to Cope with Pandemic in Persons with Multiple Sclerosis. A Controlled Web Survey. 2021 , 3, 31-49 Association between brain volume and disability over time in multiple sclerosis. 2022 , 8, 205521732211442	0 0
37 ² 37 ¹ 37 ⁰	Circulating CCR6 + ILC proportions are lower in multiple sclerosis patients. 2022, 11, Fragiles but Resilient. The Key Strategies to Cope with Pandemic in Persons with Multiple Sclerosis. A Controlled Web Survey. 2021, 3, 31-49 Association between brain volume and disability over time in multiple sclerosis. 2022, 8, 205521732211442 Multiple sclerosis in children. 2022, 870-877 Percentage brain volume change in multiple sclerosis mainly reflects white matter and cortical	0 0 0
37 ² 37 ¹ 37 ⁰ 369 368	Circulating CCR6 + ILC proportions are lower in multiple sclerosis patients. 2022, 11, Fragiles but Resilient. The Key Strategies to Cope with Pandemic in Persons with Multiple Sclerosis. A Controlled Web Survey. 2021, 3, 31-49 Association between brain volume and disability over time in multiple sclerosis. 2022, 8, 205521732211442 Multiple sclerosis in children. 2022, 870-877 Percentage brain volume change in multiple sclerosis mainly reflects white matter and cortical volume. High-dose immunosuppressive therapy with autologous hematopoietic stem cell transplantation in	0 0 0

364	Early Immunotherapy and Longer Corticosteroid Treatment Are Associated With Lower Risk of Relapsing Disease Course in Pediatric MOGAD. 2023 , 10, e200065	О
363	Mass cytometry reveals cladribine-induced resets among innate lymphoid cells in multiple sclerosis. 2022 , 12,	O
362	Immune Response after COVID-19 mRNA Vaccination in Multiple Sclerosis Patients Treated with DMTs. 2022 , 10, 3034	0
361	Conceptualization, use, and outcomes associated with compassion in the care of people with multiple sclerosis: a scoping review.	O
360	Diagnostik der Neuromyelitis-optica-Spektrum-Erkrankung (NMOSD) und der MOG-Antikfiper-assoziierten Erkrankung (MOGAD). 2022 , 239, 1315-1324	O
359	Microstates in multiple sclerosis: an electrophysiological signature of altered large-scale networks functioning?.	О
358	External validation of a clinical prediction model in multiple sclerosis. 135245852211360	О
357	Not all roads lead to the immune system: the genetic basis of multiple sclerosis severity.	О
356	Excess costs of multiple sclerosis: a register-based study in Sweden.	О
355	Eseparation Imaging for Diagnosis of Multiple Sclerosis versus Neuromyelitis Optica Spectrum Disorder.	О
354	Demyelinating diseases of the central nervous system registry for patients with traditional Chinese medicine: Rationale and design of a prospective, multicenter, observational study. 13,	О
353	Myelin heterogeneity for assessing normal appearing white matter myelin damage in multiple sclerosis.	O
352	Serum Neurofilament Identifies Patients With Multiple Sclerosis With Severe Focal Axonal Damage in a 6-Year Longitudinal Cohort. 2023 , 10, e200055	0
351	Turning and multitask gait unmask gait disturbance in mild-to-moderate multiple sclerosis: Underlying specific cortical thinning and connecting fibers damage.	1
350	Endocannabinoid levels in peripheral blood mononuclear cells of multiple sclerosis patients treated with dimethyl fumarate. 2022 , 12,	О
349	Treatment of multiple sclerosisEelated trigeminal neuralgia with onabotulinumtoxinA. 2022 , 62, 1322-1328	O
348	Present and future of the diagnostic work-up of multiple sclerosis: the imaging perspective.	О
347	Effect of fingolimod therapy on quantitative macular changes among patients with relapsing-remitting multiple sclerosis: a four-year follow-up study from Oman. 2022 , 22,	O

346	Multiple sclerosis iron rim lesions are linked to impaired cervical spinal cord integrity using the T1/T2-weighted ratio.	O
345	Two Single Nucleotide Polymorphisms in the Purinergic Receptor P2X7 Gene Are Associated with Disease Severity in Multiple Sclerosis. 2022 , 23, 15381	O
344	Evaluation of Selected Oxidant/Antioxidant Parameters in Patients with Relapsing-Remitting Multiple Sclerosis Undergoing Disease-Modifying Therapies. 2022 , 11, 2416	O
343	Neuroaxonal and Glial Markers in Patients of the Same Age With Multiple Sclerosis. 2023 , 10, e200078	O
342	Redox State of Human Serum Albumin in Multiple Sclerosis: A Pilot Study. 2022 , 23, 15806	O
341	Frequent somatic mosaicism in T lymphocyte subsets in individuals with and without multiple sclerosis. 13,	O
340	The Clinical and Epidemiological Profile of Paediatric-Onset Multiple Sclerosis in Poland. 2022, 11, 7494	O
339	A novel eye-movement impairment in multiple sclerosis indicating wide-spread cortical damage.	O
338	Longitudinal characterisation of B and T-cell immune responses after the booster dose of COVID-19 mRNA-vaccine in people with multiple sclerosis using different disease-modifying therapies. jnnp-2022-330175	Ο
337	Pseudo-Label Assisted Nnu-Net (PLAn) Enables Automatic Segmentation of 7T MRI From a Single Acquisition.	O
336	Selective vulnerability of brainstem and cervical spinal cord regions in people with non-progressive multiple sclerosis of Black or African American and European ancestry. 135245852211395	О
335	Multiple Sclerosis Presenting as Intracranial Hypertension in the Setting of COVID-19 Infection.	O
334	Berlin Registry of Neuroimmunological entities (BERLimmun): protocol of a prospective observational study. 2022 , 22,	O
333	Evaluating the central vein sign in paediatric-onset multiple sclerosis: A case series study. 135245852211423	O
332	Relationship between paramagnetic rim lesions and slowly expanding lesions in multiple sclerosis. 135245852	2211419
331	Frequency of NMOSD misdiagnosis in a cohort from Latin America: Impact and evaluation of different contributors. 135245852211362	O
330	Cerebrospinal fluid kappa free light chains for the diagnosis of multiple sclerosis: A consensus statement. 135245852211342	O
329	Magnetization transfer saturation reveals subclinical optic nerve injury in pediatric-onset multiple sclerosis. 135245852211375	O

328	Treatment of neuromyelitis optica spectrum disorder: revisiting the complement system and other aspects of pathogenesis.	O
327	Task-based functional MRI challenges in clinical neuroscience: Choice of the best head motion correction approach in multiple sclerosis. 16,	O
326	Diagnose und Therapie der Multiplen Sklerose. 2022 , 05, 292-300	О
325	The different damage patterns of short-, middle- and long-range connections between patients with relapse-remitting multiple sclerosis and neuromyelitis optica spectrum disorder. 13,	O
324	Polysomnographic diagnosis of REM sleep behavior disorder: a change is needed.	0
323	Anterior horn atrophy in the cervical spinal cord: A new biomarker in progressive multiple sclerosis. 135245	852@11391
322	Estimated Prevalence of AQP4 positive Neuromyelitis Optica Spectrum Disorder and MOG Antibody Associated Disease in Sö Paulo, Brazil. 2022 , 104488	0
321	Investigation of image-derived input functions for non-invasive quantification of myelin density using [11C]MeDAS PET. 2022 , 264, 119772	O
320	Effect of deep gray matter atrophy on information processing speed in early relapsing- remitting multiple sclerosis.	0
319	Adipokines in multiple sclerosis patients are related to clinical and radiological measures.	Ο
318	The efficacy and safety of ginger supplementation in patients with multiple sclerosis: A rationale and study protocol for a double-blind randomized controlled trial. 2023 , 6,	O
317	Association Between Body Mass Index and Response to Disease-Modifying Therapies in Patients With Relapsing-Remitting Multiple Sclerosis at King Abdulaziz University Hospital: A Retrospective Study. 2022 ,	O
316	Energy expenditure and perceived effort during uphill and downhill walking in people with multiple sclerosis.	О
315	Association of paramagnetic rim lesions and retinal layer thickness in patients with multiple sclerosis. 135245852211384	O
314	CNS inflammatory demyelinating events after COVID-19 vaccines: A case series and systematic review. 13,	O
313	Leistungsffligkeit der McDonald-Kriterien von 2017.	O
312	The Role of Multiple Sclerosis Therapies on the Dynamic of Human Gut Microbiota.	O
311	Clinical Neuroimaging in Pediatric Dysimmune Disorders of the Central Nervous System. 2022,	O

310	New Contrast Enhancement Method for Multiple Sclerosis Lesion Detection.	O
309	Effect of exergaming in people with restless legs syndrome with multiple sclerosis: a single-blind randomized controlled trial. 2022 , 104480	O
308	Exercise therapy for fatigue in multiple sclerosis. 2022 , 2022,	O
307	Vitamin D Supplementation Practices among Multiple Sclerosis Patients and Professionals. 2022 , 11, 7278	1
306	Burden and trends of multiple sclerosis in China from 1990 to 2019: a systematic analysis for the Global Burden of Disease Study 2019. 2022 , 12, e066335	O
305	Brain connectivity changes underlying depression and fatigue in relapsing-remitting multiple sclerosis: a systematic review.	O
304	Neural precursor cells tune striatal connectivity through the release of IGFBPL1. 2022, 13,	O
303	Cerebrospinal fluid kappa free light chains for the diagnosis of multiple sclerosis: A systematic review and meta-analysis. 135245852211342	O
302	Dropout rate in randomised controlled trials of balance and gait rehabilitation in multiple sclerosis: is it expected to be different for virtual reality-based interventions? A systematic review with meta-analysis and meta-regression.	О
301	Integrated single-cell transcriptomics of cerebrospinal fluid cells in treatment-naffe multiple sclerosis. 2022 , 19,	O
300	Multi-Disease Validation of the RUDAS for Cognitive Screening in Alzheimer Disease, Parkinson Disease, and Multiple Sclerosis. 2022 , 1-13	О
299	Radial diffusivity reflects general decline rather than specific cognitive deterioration in multiple sclerosis. 2022 , 12,	O
298	Advances in nanotechnology versus stem cell therapy for the theranostics of multiple sclerosis disease.	O
297	Improvement in time to multiple sclerosis diagnosis: 25-year retrospective analysis from New York State MS Consortium (NYSMSC). 135245852211402	O
296	Vaccine-based clinical protection against SARS-CoV-2 infection and the humoral immune response: A 1-year follow-up study of patients with multiple sclerosis receiving ocrelizumab. 13,	О
295	Enlarged choroid plexus related to cortical atrophy in multiple sclerosis.	O
294	Quantitative susceptibility mapping of the normal-appearing white matter as a potential new marker of disability progression in multiple sclerosis.	O
293	Psychophysical Evaluation of Visual vs. Computer-Aided Detection of Brain Lesions on Magnetic Resonance Images.	O

292	Validity of serum neurofilament light chain as a prognostic biomarker of disease activity in multiple sclerosis.	0
291	Obesity is associated with myelin oligodendrocyte glycoprotein antibody-associated disease in acute optic neuritis. 2022 , 12,	О
290	Determinants of early working impairments in multiple sclerosis. 13,	0
289	A case for including optic nerve lesions in the McDonald criteria.	o
288	Significance of Myelin Oligodendrocyte Glycoprotein Antibodies in CSF: A Retrospective Multicenter Study. 10.1212/WNL.000000000201662	0
287	Central nervous system tumefactive demyelinating lesions: Risk factors of relapse and follow-up observations. 13,	O
286	Myelin Basic Protein in Oligodendrocyte-Derived Extracellular Vesicles as a Diagnostic and Prognostic Biomarker in Multiple Sclerosis: A Pilot Study. 2023 , 24, 894	0
285	A Systematic Review and Meta-Analysis of the Brief Cognitive Assessment for Multiple Sclerosis (BICAMS) International Validations. 2023 , 12, 703	О
284	The gut microbiota in multiple sclerosis varies with disease activity. 2023 , 15,	0
283	Lower corticospinal excitability and greater fatigue among people with multiple sclerosis experiencing pain. 2023 , 9, 205521732211433	О
282	XCL1, a serum biomarker in neurological diseases; HTLV-1-associated myelopathy and multiple sclerosis. 2023 , 174, 105962	O
281	An Overview of the History, Pathophysiology, and Pharmacological Interventions of Multiple Sclerosis. 2023 ,	O
280	Elevated neurofilament light chain CSF/serum ratio indicates impaired CSF outflow in idiopathic intracranial hypertension. 2023 , 20,	0
279	Retinal ganglion cell loss is associated with future disability worsening in early relapsing remitting multiple sclerosis.	o
278	Cerebral Venous Sinus Thrombosis induced By Hypercoagulation in Patient With Systemic Lupus Erythematosus: A Case Report and Literature Review. Volume 14, 1-6	0
277	Lesion location across diagnostic regions in multiple sclerosis. 2023 , 37, 103311	o
276	Long Term Misdiagnosis of Neuromyelitis Optica Spectrum Disorder Patients with Multiple Sclerosis.	0
275	Pediatric Multiple Sclerosis E xperience of a Tertiary Care Center. 2023 , 54, 058-063	О

274	Differential DNA methylation associated with multiple sclerosis and disease modifying treatments in an underrepresented minority population. 13,	О
273	Combining in vivo proton exchange rate (kex) MRI with quantitative susceptibility mapping to further stratify the gadolinium-negative multiple sclerosis lesions. 16,	O
272	Palliative care in multiple sclerosis. 2023 , 129-138	О
271	Leukocyte Telomere Length Predicts Severe Disability in Relapsing-Remitting Multiple Sclerosis and Correlates with Mitochondrial DNA Copy Number. 2023 , 24, 916	O
270	Hepatotoxicity of Drugs Used in Multiple Sclerosis, Diagnostic Challenge, and the Role of HLA Genotype Susceptibility. 2023 , 24, 852	0
269	Sixteen syndrome: a rare presentation of central demyelination. 2023 , 16, e250440	O
268	Early Predictors of Disability and Cognition in Multiple Sclerosis Patients: A Long-Term Retrospective Analysis. 2023 , 12, 685	0
267	Subtypes of relapsing-remitting multiple sclerosis identified by network analysis. 4,	O
266	Therapy of women with multiple sclerosis: an analysis of the use of drugs that may have adverse effects on the unborn child in the event of (unplanned) pregnancy. 2023 , 14, 204209862211438	O
265	The Relationship between Depression, Anxiety, Fatigue, and the Symbol Digit Modalities Test in Persons with Multiple Sclerosis. 2023 , 2, 74-79	O
264	Relationship Between Dual-task Walking and Cognitive Functions in Persons with Multiple Sclerosis. 2023 , 2, 57-61	O
263	Dimethyl Fumarate Treatment Reduces the Amount but Not the Avidity of the Epstein B arr Virus Capsid-Antigen-Specific Antibody Response in Multiple Sclerosis: A Pilot Study. 2023 , 24, 1500	O
262	Resilience, Stress, Well-Being, and Sleep Quality in Multiple Sclerosis. 2023 , 12, 716	O
261	Paradigm shifts in multiple sclerosis management: Implications for daily clinical practice. 2023,	O
260	Clinical-Radiological Mismatch in Multiple Sclerosis Patients during Acute Relapse: Discrepancy between Clinical Symptoms and Active, Topographically Fitting MRI Lesions. 2023 , 12, 739	0
259	Effects of multi-task training on motor and cognitive performances in multiple sclerosis patients without clinical disability: a single-blinded randomized controlled trial.	O
258	Protocol for an exploratory, randomised, single-blind clinical trial of aerobic exercise to promote remyelination in multiple sclerosis. 2023 , 13, e061539	O
257	Determining the Prognostic Characteristics of People with Multiple Sclerosis with Bowel and Bladder Dysfunction as the Initial Presentation: A Cohort Study. 2023 , 2, 62-67	O

256	Effect of smoking on disease activity in multiple sclerosis patients treated with dimethyl fumarate or fingolimod. 2023 , 104513	О
255	Assessment of Motor Evoked Potentials in Multiple Sclerosis. 2023 , 23, 497	O
254	Cerebrospinal fluid proteomics indicates immune dysregulation and neuronal dysfunction in antibody associated autoimmune encephalitis. 2023 , 135, 102985	0
253	Efficacy and safety of repeated low-dose rituximab therapy in relapsing-remitting multiple sclerosis: A retrospective case series study. 2023 , 70, 104518	O
252	Assessment of intelligence quotient in patients with neuromyelitis optica spectrum disease and multiple sclerosis. 2023 , 70, 104492	O
251	Multiple sclerosis-related heat sensitivity linked to absence of DMT prescription and subjective hand impairment but not autonomic or corticospinal dysfunction. 2023 , 70, 104514	O
250	Factors associated with the misdiagnosis of neuromyelitis optica spectrum disorder. 2023, 70, 104498	О
249	The epidemiology and burden of neuromyelitis optica spectrum disorder, multiple sclerosis, and MOG antibody-associated disease in a province in Thailand: A population-based study. 2023 , 70, 104511	O
248	Utility of the tibial nerve somatosensory evoked potentials in differentiating between neuromyelitis optica spectrum disorders and multiple sclerosis. 2023 , 70, 104503	0
247	Characterization of a late-onset multiple sclerosis Portuguese cohort. 2023 , 70, 104506	O
246	Late-onset multiple sclerosis in Iran: A report on demographic and disease characteristics. 2023 , 70, 104493	O
245	Cognitive impairment in multiple sclerosis: Utility of electroencephalography. 2023 , 70, 104502	O
244	Neuro rehabilitation effectiveness based on virtual reality and tele rehabilitation in people with multiple sclerosis in Argentina: Reavitelem study. 2023 , 70, 104499	О
243	Chinese herbal medicine for people with multiple sclerosis: Protocol for a systematic review and meta-analysis. 2023 , 58, 102220	O
242	Molecular biomarkers and cognitive impairment in multiple sclerosis: State of the field, limitations, and future direction (A systematic review and meta-analysis. 2023 , 146, 105035	0
241	Is there a role for herpes simplex virus type 1 in multiple sclerosis?. 2022 , 105084	O
240	Analysis of Rituximab Use, Time Between Rituximab and SARS-CoV-2 Vaccination, and COVID-19 Hospitalization or Death in Patients With Multiple Sclerosis. 2022 , 5, e2248664	О
239	Automatic detection of active and inactive multiple sclerosis plaques using the Bayesian approach in susceptibility-weighted imaging. 028418512211430	О

238	Novel CSF Biomarkers Tracking Autoimmune Inflammatory and Neurodegenerative Aspects of CNS Diseases. 2023 , 13, 73	0
237	Optic neuritis: current challenges in diagnosis and management. 2023 , 36, 10-18	Ο
236	Association of daily physical activity with brain volumes and cervical spinal cord areas in multiple sclerosis. 135245852211437	0
235	Turning when using a smartphone in persons with and without neurologic conditions: an observational study (Preprint).	O
234	Contrast-Enhanced 3D Spin Echo T1-Weighted Sequence Outperforms 3D Gradient Echo T1-Weighted Sequence for the Detection of Multiple Sclerosis Lesions on 3.0 T Brain MRI. 2022 , Publish Ahead of Print,	О
233	Novel Moving Steady-State Visual Evoked Potential Stimulus to Assess Afferent and Efferent Dysfunction in Multiple Sclerosis. 2023 , 1-1	Ο
232	What is a clinically isolated syndrome in the 21st century?. 135245852211498	0
231	Tumefactive Demyelination in MOG AbAssociated Disease, Multiple Sclerosis, and AQP-4-IgGBositive Neuromyelitis Optica Spectrum Disorder. 10.1212/WNL.0000000000206820	O
230	Cerebrospinal fluid neurofilament light chains and CXCL13 as predictive factors for clinical course of multiple sclerosis.	0
229	High levels of kappa free light chain synthesis predict cognitive decline in relapsing-remitting multiple sclerosis. 14,	O
228	Multiple Sclerosis in Mongolia; the First Study Exploring Predictors of Disability and Depression in Mongolian MS Patients. 2023 , 30, 15-26	0
227	T 1 /T 2 ratio from 3T MRI improves multiple sclerosis cortical lesion contrast.	O
226	Cortical lesions at diagnosis predict long-term cognitive impairment in multiple sclerosis: a 20-year study.	0
225	In vivo corneal confocal microscopy in multiple sclerosis: Can it differentiate disease relapse in multiple sclerosis?. 2023 ,	0
224	Interoceptive and metacognitive facets of fatigue in multiple sclerosis.	O
223	Correspondence among gray matter atrophy and atlas-based neurotransmitter maps is clinically relevant in multiple sclerosis.	0
222	Family health conditions and parental occupational status modify the relationship between pediatric-onset multiple sclerosis and parental health-related quality of life. 135245852211444	0
221	Fully Automatic Method for Reliable Spinal Cord Compartment Segmentation in Multiple Sclerosis. 2023 , 44, 218-227	0

220	Retinal layer thickness predicts disability accumulation in early relapsing multiple sclerosis.	O
219	An Updated Evaluation of Intrathecal IgG Synthesis Markers in Relation to Oligoclonal Bands. 2023 , 13, 389	O
218	Diagnostic and prognostic value of the RUNXOR/RUNX1 axis in multiple sclerosis. 2023 , 178, 106032	1
217	Longitudinal assessment of cervical spinal cord compartments in multiple sclerosis. 2023 , 71, 104545	O
216	Accurate Diagnosis of Cortical and Infratentorial Lesions in Multiple Sclerosis Using Accelerated Fluid and White Matter Suppression Imaging. 2023 , 58, 337-345	О
215	Disease associations of excessive daytime sleepiness in multiple sclerosis: A prospective study. 2023 , 9, 205521732311595	O
214	Retrochiasmatic Optic Pathway. 2023 , 309-332	O
213	Medication persistence among multiple sclerosis patients in Slovenia treated with dimethyl fumarate: a retrospective observational cohort study.	O
212	An investigation of the association between focal damage and global network properties in cognitively impaired and cognitively preserved patients with multiple sclerosis. 17,	O
211	Multiple Sclerosis: Inflammatory and Neuroglial Aspects. 2023 , 45, 1443-1470	O
210	Neutrophil to lymphocyte ratio may be a useful marker in distinguishing MOGAD and MS and platelet to lymphocyte ratio associated with MOGAD activity. 2023 , 71, 104570	O
209	It's on the tip of my tongue!Iexploring confrontation naming difficulties in patients with multiple sclerosis. 2023 , 71, 104579	O
208	The societal costs of multiple sclerosis in Lebanon: a cross-sectional study. 2023 , 23, 419-430	O
207	Navigating Through the Recent Diagnostic Criteria for MOGAD. 2023 , 100, 689-690	O
206	Evaluation of transorbital sonography measures of optic nerve diameter in the context of global and regional brain volume in multiple sclerosis. 2023 , 13,	O
205	In-vivo characterization of macro- and microstructural injury of the subventricular zone in relapsing-remitting and progressive multiple sclerosis. 17,	O
204	Frailty and relapse activity in multiple sclerosis: A longitudinal observation. 2023, 72, 104603	O
203	Salivary Oxidative Status and the Neutrophil/Lymphocyte Ratio in Multiple Sclerosis. 2023 , 29, 30-39	O

202	ADC restriction is not associated with clinical response to plasma exchange following a cerebral attack of multiple sclerosis. 2023 , 73, 104676	O
2 01	Clinical and fringe benefits of rituximab in multiple sclerosis treatment in a poor resource setting: Case series and cost analysis. 2023 , 73, 104673	O
200	Neuroimmunological Disorders. 2023 , 41, 315-330	0
199	The role of multiple sclerosis therapies on the dynamic of human gut microbiota. 2023 , 378, 578087	O
198	Neural bases of motor fatigue in multiple sclerosis: A multimodal approach using neuromuscular assessment and TMS-EEG. 2023 , 180, 106073	0
197	Application of diagnostic criteria for optic neuritis. 2023 , 22, 375-376	O
196	rTMS ameliorates depression/anxiety-like behaviors in experimental autoimmune encephalitis by inhibiting neurotoxic reactive astrocytes. 2023 , 331, 352-361	0
195	Early neurofilament light and glial fibrillary acidic protein levels improve predictive models of multiple sclerosis outcomes. 2023 , 74, 104695	O
194	Determination of sensitivities and specificities of cerebrospinal fluid free light chains to diagnose multiple sclerosis- a multicentric case-control study. 2023 , 74, 104717	O
193	Cerebrospinal fluid sulfatide isoforms lack diagnostic utility in separating progressive from relapsing-remitting multiple sclerosis. 2023 , 74, 104705	O
192	Clinical diagnostic utility of transcranial magnetic stimulation in neurological disorders. Updated report of an IFCN committee. 2023 , 150, 131-175	O
191	Do cardiovascular disease comorbidities affect the cognitive function of Multiple Sclerosis patients?. 2023 , 112, 20-24	O
190	Automated Computerized Neuropsychological Diagnostics in Multiple Sclerosis. 2022, 33, 138-148	O
189	The prevalence and incidence of multiple sclerosis over the past 20 years in northern Japan. 2023 , 73, 104696	O
188	Neurodiagnostic Studies in Children. 2022 , 725-754	0
187	Neuro-immune crosstalk in depressive symptoms of multiple sclerosis. 2023 , 177, 106005	O
186	Pregnancy planning and management for women with multiple sclerosis: what has changed over the last 15 years? An Italian single-center experience. 2023 , 70, 104526	O
185	Feasibility and usability of a new home-based immersive virtual reality headset-based dexterity training in multiple sclerosis. 2023 , 71, 104525	O

184	Sexual dysfunction in female and male people with multiple sclerosis: disability, depression and hormonal status matter. 2023 , 30, 991-1000	0
183	Change in Insomnia and Depressive Symptoms During COVID-19: A Prospective Longitudinal Study of Iranian Women with Multiple Sclerosis. 1-16	O
182	Assessment of oligoclonal bands in cerebrospinal fluid and serum of dogs with meningoencephalitis of unknown origin. 2023 , 18, e0280864	O
181	Diagnosis of myelin oligodendrocyte glycoprotein antibody-associated disease: International MOGAD Panel proposed criteria. 2023 , 22, 268-282	1
180	Multiple sclerosis and circadian rhythms: Can diet act as a treatment?. 2023, 237,	О
179	Specific alterations in NKG2D+ T lymphocytes in relapsing-remitting and progressive multiple sclerosis patients. 2023 , 71, 104542	O
178	Should trigeminal neuralgia be considered a clinically isolated syndrome?. 135245852211498	О
177	Brain and Spinal Cord MRI Findings in Thai Multiple Sclerosis Patients. 2023 , 9, 27	1
176	A Multicenter Longitudinal MRI Study Assessing LeMan-PV Software Accuracy in the Detection of White Matter Lesions in Multiple Sclerosis Patients.	О
175	Antibodies to calnexin and mutated calreticulin are common in human sera. 2023 , 71, 103380	O
174	Decipher potential biomarkers of diagnosis and disease activity for NMOSD with AQP4 using LC-MS/MS and Simoa. 2023 , 116, 109761	0
173	Clinically Manifest Infections Do Not Increase the Relapse Risk in People with Multiple Sclerosis Treated with Disease-Modifying Therapies: A Prospective Study. 2023 , 12, 1023	O
172	Omics approaches to understanding the efficacy and safety of disease-modifying treatments in multiple sclerosis. 14,	1
171	Overlapping anti-NMDAR encephalitis and multiple sclerosis: A case report and literature review. 14,	Ο
170	Switch to ocrelizumab in MS patients treated with natalizumab in extended interval dosing at high risk of PML: A 96-week follow-up pilot study. 14,	0
169	Gut Microbiota Changes during Dimethyl Fumarate Treatment in Patients with Multiple Sclerosis. 2023 , 24, 2720	Ο
168	Volumetric changes in hypothalamic subunits in patients with relapsing remitting multiple sclerosis. 2023 , 65, 899-905	0
167	Multifaceted Analysis of Cerebrospinal Fluid and Serum from Progressive Multiple Sclerosis Patients: Potential Role of Vitamin C and Metal Ion Imbalance in the Divergence of Primary Progressive Multiple Sclerosis and Secondary Progressive Multiple Sclerosis. 2023 , 22, 743-757	O

166	How does neurovascular unit dysfunction contribute to multiple sclerosis?. 2023, 178, 106028	1
165	Longitudinal Assessment of Multiple Sclerosis Lesion Load With Synthetic Magnetic Resonance Imaging Multicenter Validation Study. 2023 , 58, 320-326	O
164	Phenotyping variants of tumefactive demyelinating lesions according to clinical and radiological features acsesseries. 14,	0
163	The uncertainty period preceding the clinical defined SPMS diagnosis and the applicability of objective classifiers [A Danish single center study. 2023 , 71, 104546	O
162	Cerebrospinal fluid immunoglobulins in primary progressive multiple sclerosis are pathogenic.	0
161	In-person and remote administrations of the symbol digit modalities test are interchangeable among persons with multiple sclerosis. 2023 , 71, 104553	O
160	A unified classification approach rating clinical utility of protein biomarkers across neurologic diseases. 2023 , 89, 104456	O
159	Reader Response: Frequency of Asymptomatic Optic Nerve Enhancement in a Large Retrospective Cohort of Patients With Aquaporin-4+ NMOSD. 2023 , 100, 309.2-310	O
158	Multicenter Evaluation of AI-generated DIR and PSIR for Cortical and Juxtacortical Multiple Sclerosis Lesion Detection. 2023 , 307,	0
157	Microchimerism in multiple sclerosis: The association between sex of offspring and MRI features in women with multiple sclerosis. 17,	O
156	Neuropathologically informed imaging of cortical grey matter lesions in MS 🖪 pilot study. 2023 , 71, 104555	O
155	The Importance of Optical Coherence Tomography in the Diagnosis of Atypical or Subclinical Optic Neuritis: A Case Series Study. 2023 , 12, 1309	O
154	Faster progression to multiple sclerosis disability is linked to neuronal pathways associated with neurodegeneration: An ethnicity study. 2023 , 18, e0280515	O
153	Antibodies to expanded virus antigen panels show elevated diagnostic sensitivities in multiple sclerosis and optic neuritis. 2023 , 254, 54-64	O
152	Long-term clinical, imaging and cognitive outcomes association with MS immunopathology. 2023 , 10, 339-352	O
151	Clinical Validation of a Multi-protein, Serum-based Assay for Disease Activity Assessments in Multiple Sclerosis.	O
150	The role of systemic mmune filammatory fidex in showing active lesion fi patients with multiple sclerosis. 2023 , 23,	0
149	Incremental validity of brief and abbreviated neuropsychological tests toward predicting functional outcomes in multiple sclerosis. 1-11	O

148	Effect of deep gray matter atrophy on information processing speed in early relapsing-remitting multiple sclerosis. 2023 , 71, 104560	0
147	Association of volumetric MRI measures and disability in MS patients of the same age: Descriptions from a birth year cohort. 2023 , 71, 104568	Ο
146	Predictive factors of multiple sclerosis relapse after the first demyelinating event: A 5-year follow-up. 2023 , 71, 104566	О
145	High serum neurofilament light chain levels correlate with brain atrophy and physical disability in multiple sclerosis. 2023 , 30, 1389-1399	Ο
144	ATR-FTIR spectroscopy of plasma supported by multivariate analysis discriminates multiple sclerosis disease. 2023 , 13,	0
143	Evaluation of the safety profile of COVID-19 vaccines in patients with MS, NMOSD, and MOGAD.	O
142	Intrathecal versus Peripheral Inflammatory Protein Profile in MS Patients at Diagnosis: A Comprehensive Investigation on Serum and CSF. 2023 , 24, 3768	Ο
141	Prominent role of executive functioning on the Phonemic Fluency Test in people with multiple sclerosis. 1-5	O
140	Immunization status in patients with multiple sclerosis: A´cross-sectional, monocenter study in Austria. 2023 , 30, 1400-1408	О
139	Neuropsychiatric Status of Patients With Multiple Sclerosis Across Disease Duration Intervals.	O
138	Case report: First manifestation of multiple sclerosis temporally correlated with COVID-19 vaccination. 14,	О
137	Risk HLA Variants Affect the T-Cell Repertoire in Multiple Sclerosis. 2023 , 10, e200093	O
136	Imaging of Central Nervous System Demyelinating Disorders. 2023 , 29, 292-323	О
135	Magnetic transferrin nanoparticles (MTNs) assay as a novel isolation approach for exosomal biomarkers in neurological diseases. 2023 , 27,	O
134	Modifiable risk factors of COVID-19 in patients with multiple sclerosis: a single-centre casedontrol study. 2023 , 270, 1835-1842	0
133	Lessons from immunotherapies in multiple sclerosis. 2023 , 293-311	Ο
132	CNS demyelinating events in primary Sjgren's syndrome: A single-center case series on the clinical phenotype. 14,	0
131	Effects of Tele-Pilates and Tele-Yoga on Biochemicals, Physical, and Psychological Parameters of Females with Multiple Sclerosis. 2023 , 12, 1585	Ο

130	Serum Neurofilaments and OCT Metrics Predict EDSS-Plus Score Progression in Early Relapse-Remitting Multiple Sclerosis. 2023 , 11, 606	О
129	Microstructural alterations in different types of lesions and their perilesional white matter in relapsing-remitting multiple sclerosis based on diffusion kurtosis imaging. 2023 , 71, 104572	O
128	High-Dose Intravenous Steroid Treatment Seems to Have No Long-Term Negative Effect on Bone Mineral Density of Young and Newly Diagnosed Multiple Sclerosis Patients: A Pilot Study. 2023 , 11, 603	О
127	Concurrent diagnoses of Tuberous sclerosis and multiple sclerosis. 2023, 71, 104586	О
126	A Mechanistic Insight into Sources of Error of Visual Working Memory in Multiple Sclerosis.	O
125	Achieving no evidence of disease activity-3 in highly active multiple sclerosis patients treated with cladribine and monoclonal antibodies. 2023 , 9, 205521732311547	O
124	Aglycosylated extracellular loop of inwardly rectifying potassium channel 4.1 (KCNJ10) provides a target for autoimmune neuroinflammation. 2023 , 5,	О
123	Visual Outcomes Following Plasma Exchange for Optic Neuritis: An International Multicenter Retrospective Analysis of 395 Optic Neuritis Attacks. 2023 ,	O
122	Neural Surface Antibodies and Neurodegeneration: Clinical Commonalities and Pathophysiological Relationships. 2023 , 11, 666	О
121	Using The Virtual Brain to study the relationship between structural and functional connectivity in patients with multiple sclerosis: a multicenter study.	O
120	Lesiones inflamatorias del troncoencfalo: claves diagn\(\text{Sticas} \) en RM. 2023 ,	O
119	The Acute Optic Neuritis Network (ACON): Study protocol of a non-interventional prospective multicenter study on diagnosis and treatment of acute optic neuritis. 14,	O
118	A case of primary progressive multiple sclerosis with improvement in cognitive impairment by anti-CD20 monoclonal antibody therapy. 2023 , 63, 152-158	О
117	Acute central nervous system inflammation following COVID-19 vaccination: An observational cohort study. 135245852311547	O
116	Cognitive skill learning in multiple sclerosis: A meaningful component of the neuropsychological profile. 2023 , 166, 105959	О
115	Association of Serum Neurofilament Light Chain Levels at Disease Onset With Disability Worsening in Patients With a First Demyelinating Multiple Sclerosis Event Not Treated With High-Efficacy Drugs. 2023 , 80, 397	O
114	A 10-Year Single-Center Study of the Clinical Characteristics of Optic Neuritis-Related NMOSD, MS, and Double Seronegative Optic Neuritis, Together with Factors Predicting Visual Outcomes. 2023 , 7, 16	О
113	The serum kynurenine pathway metabolic profile is associated with overweight and obesity in multiple sclerosis. 2023 , 72, 104592	O

112	The radiologically isolated syndrome: revised diagnostic criteria.	0
111	Synergy between health technology assessments and clinical guidelines for multiple sclerosis.	O
110	Diffusion tensor imaging metrics associated with future disability in multiple sclerosis. 2023, 13,	0
109	Multiple sclerosis versus cerebral small vessel disease in MRI: a practical approach using qualitative and quantitative signal intensity differences in white matter lesions. 028418512311556	o
108	COVID-19 and its implications on the clinico-radiological course of multiple sclerosis: A casellontrol study. 2023 , 160, 187-192	0
107	Sudden Death Associated With Possible Flare-Ups of Multiple Sclerosis After COVID-19 Vaccination and Infection: A Case Report and Literature Review. 2023 , 38,	o
106	The evaluation of small fibers in multiple sclerosis. 2023 , 72, 104602	0
105	Explaining the burden of psychosocial factors on the worsening symptoms of MS: a qualitative study of patients' experiences. 2023 , 23,	0
104	MRI Signal Intensity Varies Along the Course of the Normal Optic Nerve. 2023 , Publish Ahead of Print,	0
103	Choroid plexus volume is enlarged in clinically isolated syndrome patients with optic neuritis. 13524585	52311572
102	Epidemiological and Immune Profile Analysis of Italian Subjects with Endometriosis and Multiple Sclerosis. 2023 , 12, 2043	О
101	Eight-and-a-half syndrome as the first presentation of multiple sclerosis in an Asian male: a case report. 2023 , 17,	O
100	Early-stage volume losses in the corpus callosum and thalamus predict the progression of brain atrophy in patients with multiple sclerosis.	0
99	Changes in Retinal Thickness and Brain Volume during 6.8-Year Escalating Therapy for Multiple Sclerosis. 2023 , 2023, 1-8	O
98	Central vein sign and diffusion MRI differentiate microstructural features within white matter lesions of multiple sclerosis patients with comorbidities. 14,	0
97	Association Between Multiple Sclerosis and the Symptoms of Vertigo and Facial Nerve Palsy. 01455613	221148ð
96	Individual reserve in aging and neurological disease.	0
95	The clinical-radiological paradox in multiple sclerosis: myth or truth?. 2023 , 81, 055-061	0

94	The effect of ginger (Zingiber officinale) supplementation on clinical, biochemical, and anthropometric parameters in patients with multiple sclerosis: a double-blind randomized controlled trial.	О
93	Results of treatment with alemtuzumab in a Spanish cohort of patients with multiple sclerosis in the real world: The RealMS study. 14,	O
92	Functional or P sychogenic Neurological Symptoms in Children and Adolescents. 2023 , 193-204	0
91	Editorial: Automatic methods for multiple sclerosis new lesions detection and segmentation. 17,	O
90	Lifespan Neurodegeneration Of The Human Brain In Multiple Sclerosis.	0
89	Inflammatory Activity After Diverse Fertility Treatments. 2023, 10, e200106	O
88	A highly challenging balance training intervention for people with multiple sclerosis: a feasibility trial. 2023 , 9,	O
87	Magnetic-resonance imaging semiology of cerebral autosomal dominant arteriopathy with subcortical infarcts and leukoencephalopathy (CADASIL) in subjects from Russian Federation. 2023 , 28, 13-24	O
86	Neurophysiological and clinical biomarkers of secondary progressive multiple sclerosis: A cross-sectional study. 14,	O
85	Treatment Patterns and Persistence on Disease Modifying Drugs for Multiple Sclerosis and its Associated Factors.	O
84	A prospective study of cellular immune response to booster COVID-19 vaccination in multiple sclerosis patients treated with a broad spectrum of disease-modifying therapies.	0
83	Toll-like receptor 10 is down-regulated in serum of patients with relapsingEemitting multiple sclerosis but not associated with Epstein-Barr virus.	O
82	Visually Evoked Potential as Prognostic Biomarker for Neuroaxonal Damage in Multiple Sclerosis From a Multicenter Longitudinal Cohort. 2023 , 10, e200092	0
81	Potential Protective Role of Pregnancy and Breastfeeding in Delaying Onset Symptoms Related to Multiple Sclerosis. 2023 , 59, 619	O
80	Prefrontal hemodynamics during forward and backward walking, with and without a cognitive task, in people with multiple sclerosis. 2023 , 59,	0
79	Performance of McDonald 2017 multiple sclerosis diagnostic criteria and evaluation of genetic ancestry in patients with a first demyelinating event in Argentina. 135245852311572	O
78	An update on the use of sphingosine 1-phosphate receptor modulators for the treatment of relapsing multiple sclerosis. 2023 , 24, 495-509	О
77	Les traitements de la ´sclfose ´en plaques. 2023 , 68, 23-27	O

76	Un accompagnement multidisciplinaire indispensable pour la prise en ´charge de la sclfose en plaques. 2023 , 68, 14-18	0
75	Assessment of cognitive performance in multiple sclerosis using smartphone-based training games: a feasibility study.	o
74	Patterns of inflammation, microstructural alterations, and sodium accumulation define multiple sclerosis subtypes after 15 years from onset. 17,	0
73	Multiple Sclerosis Disease Evolution Assessment in Brain MRI Lesions Based on Texture and Multi-Scale Amplitude Modulation-Frequency Modulation (AM-FM) Features. 2023 , 11, 29918-29933	O
72	Identification of the pathogenesis features of various phenotypes of multiple sclerosis based on the study of the morphological functional connectivity of subcortical gray matter structures. 2023 , 3, 27-42	0
71	Locomotor Strategy to Perform 6-Minute Walk Test in People with Multiple Sclerosis: A Prospective Observational Study. 2023 , 23, 3407	o
70	Retrospective cohort study to devise a treatment decision score predicting adverse 24-month radiological activity in early multiple sclerosis. 2023 , 16, 175628642311618	О
69	Three-dimensional multi-parameter brain mapping using MR fingerprinting.	O
68	Diffusion-based structural connectivity patterns of multiple sclerosis phenotypes.	O
67	Acute Lower Extremity Weakness in a Pediatric Gymnast. 000992282311622	О
66	Natalizumab continuation versus switching to ocrelizumab after PML risk stratification in RRMS patients: a natural experiment.	O
65	Disease characteristics of idiopathic transverse myelitis with serum neuronal and astroglial damage biomarkers. 2023 , 13,	О
64	CD4+T cell mitochondrial genotype in Multiple Sclerosis: a cross-sectional and longitudinal analysis.	O
63	Effectiveness of Repetitive Transcranial Magnetic Stimulation (rTMS) Add-On Therapy to a Standard Treatment in Individuals with Multiple Sclerosis and Concomitant Symptoms of Depression R esults from a Randomized Clinical Trial and Pilot Study. 2023 , 12, 2525	O
62	Cognitive deficits in multiple sclerosis: Auditory and visual attention and inhibitory control. 1-8	0
61	Twelve Weeks of Intermittent Caloric Restriction Diet Mitigates Neuroinflammation in Midlife Individuals with Multiple Sclerosis: A Pilot Study with Implications for Prevention of Alzheimer Disease. 2023 , 1-11	0
60	Metabolic Insights into Iron Deposition in Relapsing-Remitting Multiple Sclerosis via 7T Magnetic Resonance Spectroscopic Imaging.	0
59	Chitinase-3-like 1-protein in CSF: a novel biomarker for progression in patients with multiple sclerosis.	О

58	Multiple Sclerosis PatientsICOVID-19 Catching Ratios and Disease Profiles.	0
57	Utility of the visual system to monitor neurodegeneration in multiple sclerosis. 16,	0
56	On a 5-year-old girl with multiple sclerosis treated with natalizumab.	О
55	Double inversion recovery to detect cervical spinal cord multiple sclerosis lesions.	O
54	Droplet-based forward genetic screening of astrocytethicroglia cross-talk. 2023, 379, 1023-1030	O
53	Multiple sclerosis presenting with progressive visual impairment independent of relapse activity: A case report. 2023 , 3, 100172	0
52	Swept-Source Optical Coherence Tomography Thresholds in Differentiating Clinical Outcomes in a Real-World Cohort of Treatment-Na f le Multiple Sclerosis Patients. 2023 , 13, 591	O
51	Gua de pratica claica: tratamiento agudo de las enfermedades inflamatorio-desmielinizantes del sistema nervioso central: esclerosis matiple, espectro de la neuromielitis ptica, encefalomielitis diseminada aguda, enfermedades asociadas a anticuerpos antiglicoprotena de la membrana del	O
50	Protein biomarkers in multiple sclerosis. 2023 , 3, 54-63	O
49	Efficacy and safety of monoclonal antibody therapy in patients with neuromyelitis optica spectrum disorder: A systematic review and network meta-analysis. 14,	O
48	Antibodies against the flotillin-1/2 complex in patients with multiple sclerosis. 2023, 5,	0
47	Multiple Sclerosis: A Review with a Focus on the Middle East and North Africa Region. 2023 , 1-22	Ο
46	How does multiple sclerosis affect sexual satisfaction in patients' spouses?. 14,	0
45	Short- and Long-Term Humoral and Cellular Immune Responses to SARS-CoV-2 Vaccination in Patients with Multiple Sclerosis Treated with Disease-Modifying Therapies. 2023 , 11, 786	0
44	Serum proteins for monitoring and predicting visual function in patients with recent optic neuritis. 2023 , 13,	0
43	THE ROLE OF MRI IN DIFFERENTIATING DEMYELINATING AND INFLAMMATORY (NOT INFECTIOUS) MYELOPATHIES. 2023 ,	O
42	Multiplex Analysis of Cerebrospinal Fluid and Serum Exosomes MicroRNAs of Untreated Relapsing Remitting Multiple Sclerosis (RRMS) and Proposing Noninvasive Diagnostic Biomarkers.	О
41	Preserved T cell but attenuated antibody response in MS patients on fingolimod and ocrelizumab following 2nd and 3rd SARS-CoV-2 mRNA vaccine. 2023 , 9, 205521732311651	O

40	Guidelines on the Use of Therapeutic Apheresis in Clinical Practice Evidence-Based Approach from the Writing Committee of the American Society for Apheresis: The Ninth Special Issue. 2023 , 38, 77-278	0
39	Diet-related inflammation increases the odds of multiple sclerosis: Results from a large population-based prevalent case-control study in Jordan. 10,	O
38	Functional Connectivity and Disability in Multiple Sclerosis: a Cross-sectional Study.	0
37	Optical coherence tomography angiography measurements in multiple sclerosis: a systematic review and meta-analysis. 2023 , 20,	Ο
36	Multiple Sclerosis. 2023 , 843-853	Ο
35	Update on the diagnosis and treatment of neuromyelits optica spectrum disorders (NMOSD) [] revised recommendations of the Neuromyelitis Optica Study Group (NEMOS). Part I: Diagnosis and differential diagnosis.	O
34	COVID-19 infection after SARS-CoV-2 mRNA vaccination in Multiple Sclerosis, AQP4-antibody NMOSD and MOGAD patients during the Omicron subvariant BA.1/2 wave in Singapore.	0
33	Effectiveness and safety profile of cladribine in an Italian real-life cohort of relapsing multiple sclerosis patients: a monocentric longitudinal observational study.	O
32	Assessment of Functional Capacity of Immune System in Patients with Multiple Sclerosis using QuantiFERON Monitor. 2023 , 2023, 1-8	O
31	Safety and Effectiveness of Cladribine in Multiple Sclerosis: Real-World Clinical Experience From 5 Tertiary Hospitals in Portugal. Publish Ahead of Print,	O
30	Effect of Previous Disease-Modifying Therapy on Treatment Effectiveness for Patients Treated With Ocrelizumab. 2023 , 10, e200104	O
29	Association of body mass index and physical activity with fatigue, depression, and anxiety among Iranian patients with multiple sclerosis. 14,	O
28	Pilot Lightweight Denoising Algorithm for Multiple Sclerosis on Spine MRI.	0
27	Functional and structural readouts for early detection of retinal involvement in multiple sclerosis.	O
26	The prevalence and risk factors of anxiety in multiple sclerosis: A systematic review and meta-analysis. 17,	O
25	Incorporating the Central Vein Sign Into the Diagnostic Criteria for Multiple Sclerosis.	O
24	Short-term surrogate biomarkers of chronic lesion expansion.	0
23	Diagnosis of multiple sclerosis using optical coherence tomography supported by artificial intelligence. 2023 , 74, 104725	O

22	Differential Associations of Mobility With Fronto-Striatal Integrity and Lesion Load in Older Adults With and Without Multiple Sclerosis. 154596832311647	O
21	Decision Making About Disease-Modifying Treatments for Relapsing-Remitting Multiple Sclerosis: Stated Preferences and Real-World Choices.	O
20	Validation of an iPad version of the Brief International Cognitive Assessment for Multiple Sclerosis (BICAMS). 2023 , 74, 104723	O
19	Top Ten Tips Palliative Care Clinicians Should Know about Multiple Sclerosis.	O
18	Clinical and Imaging Outcomes after Vitamin D Supplementation in Patients with Multiple Sclerosis: A Systematic Review. 2023 , 15, 1945	O
17	Granulocyte activation markers in cerebrospinal fluid differentiate acute neuromyelitis spectrum disorder from multiple sclerosis. jnnp-2022-330796	O
16	Trigeminal neuralgia in multiple sclerosis: Association with demyelination and progression. 2023 , 74, 104727	O
15	Perception of Quality of Life and Fatigue in Multiple Sclerosis Patients Treated with High-Dose Vitamin D. 2023 , 7, 12	O
14	Kappa free light chain and neurofilament light independently predict early multiple sclerosis disease activity cohort study. 2023 , 91, 104573	O
13	Imaging cortical lesions in multiple sclerosis. Publish Ahead of Print,	О
13	Imaging cortical lesions in multiple sclerosis. Publish Ahead of Print, White blood cell count profiles in anti-aquaporin-4 antibody seropositive neuromyelitis optica spectrum disorder and anti-myelin oligodendrocyte glycoprotein antibody-associated disease. 2023, 13,	0
	White blood cell count profiles in anti-aquaporin-4 antibody seropositive neuromyelitis optica spectrum disorder and anti-myelin oligodendrocyte glycoprotein antibody-associated disease. 2023	
12	White blood cell count profiles in anti-aquaporin-4 antibody seropositive neuromyelitis optica spectrum disorder and anti-myelin oligodendrocyte glycoprotein antibody-associated disease. 2023 , 13, Efficacy and safety of divozilimab during 24-week treatment of multiple sclerosis patients in	0
12	White blood cell count profiles in anti-aquaporin-4 antibody seropositive neuromyelitis optica spectrum disorder and anti-myelin oligodendrocyte glycoprotein antibody-associated disease. 2023, 13, Efficacy and safety of divozilimab during 24-week treatment of multiple sclerosis patients in randomized double-blind placebo-controlled clinical trial BCD-132-2. 2023, 123, 37 Free light chains as a reliable biomarker of intrathecal synthesis in the diagnosis of CNS	0
12 11 10	White blood cell count profiles in anti-aquaporin-4 antibody seropositive neuromyelitis optica spectrum disorder and anti-myelin oligodendrocyte glycoprotein antibody-associated disease. 2023, 13, Efficacy and safety of divozilimab during 24-week treatment of multiple sclerosis patients in randomized double-blind placebo-controlled clinical trial BCD-132-2. 2023, 123, 37 Free light chains as a reliable biomarker of intrathecal synthesis in the diagnosis of CNS inflammatory diseases. 2023, 578091	0 0
12 11 10	White blood cell count profiles in anti-aquaporin-4 antibody seropositive neuromyelitis optica spectrum disorder and anti-myelin oligodendrocyte glycoprotein antibody-associated disease. 2023, 13, Efficacy and safety of divozilimab during 24-week treatment of multiple sclerosis patients in randomized double-blind placebo-controlled clinical trial BCD-132-2. 2023, 123, 37 Free light chains as a reliable biomarker of intrathecal synthesis in the diagnosis of CNS inflammatory diseases. 2023, 578091 Le malattie demielinizzanti nel bambino e nelladolescente: non solo sclerosi multipla. 2023, 42, 211-212 Immune Response to Seasonal Influenza Vaccination in Multiple Sclerosis Patients Receiving	0 0
12 11 10 9	White blood cell count profiles in anti-aquaporin-4 antibody seropositive neuromyelitis optica spectrum disorder and anti-myelin oligodendrocyte glycoprotein antibody-associated disease. 2023, 13, Efficacy and safety of divozilimab during 24-week treatment of multiple sclerosis patients in randomized double-blind placebo-controlled clinical trial BCD-132-2. 2023, 123, 37 Free light chains as a reliable biomarker of intrathecal synthesis in the diagnosis of CNS inflammatory diseases. 2023, 578091 Le malattie demielinizzanti nel bambino e nell\(\textit{B}\)dolescente: non solo sclerosi multipla. 2023, 42, 211-212 Immune Response to Seasonal Influenza Vaccination in Multiple Sclerosis Patients Receiving Cladribine. 2023, 12, 1243 Influence of Residual Quadrupolar Interaction on Quantitative Sodium Brain Magnetic Resonance	0 0 0

CITATION REPORT

A pro-inflammatory diet in people with multiple sclerosis is associated with an increased rate of relapse and increased FLAIR lesion volume on MRI in early multiple sclerosis: A prospective cohort study. 135245852311677

Improved detection of juxtacortical lesions using highly accelerated double inversion-recovery MRI in patients with multiple sclerosis. 2023,

The rising role of magnetic resonance imaging biomarkers in diagnosing multiple sclerosis.

Central nervous system demyelinating diseases: glial cells at the hub of pathology. 14,