CLINICAL TRIALS FUNDED/COFUNDED BY THE NATIONAL MS SOCIETY
Updated May 2017

Abbreviations Key:

AAN – American Academy of Neurology
ECTRIMS – European Committee for Treatment and Research in Multiple Sclerosis
COMP/ALT – interventions considered to be outside the realm of conventional medicine
MED – medical therapy, including medications and medical procedures
PP – primary progressive
REHAB – rehabilitation intervention
RR - relapsing-remitting MS
SP - secondary progressive MS
Progressive - any type of progressive MS such as primary progressive, secondary progressive or progressive relapsing

Agent	TYPE OF INTER-VENTION	RE-SEARCH STRA-TEGY	PURPOSE OF STUDY	INVEST-IGATOR	UNIVERSITY/ COMPANY	TYPE OF MS/ NUMBER OF SUB-JECTS	STATUS/RESULTS
Acceptance and commitment therapy	REHAB	Restore	improve coping	Ivan Molton	University of Washington, Seattle	All types/50	Ongoing, no further information available.
Acupuncture	COMP/ ALT	Restore	improve symptoms	Herbert Karpatkin	Hunter College, New York, NY	All types/30	Ongoing, no further information available.
Aerobic exercise	REHAB	Restore	improve cognitive function	Charles Bombardier	University of Washington, Seattle	All types/125	Recruiting; read more: http://clinicaltrials.gov/show/NCT02106052
Aerobic exercise	REHAB	Restore	improve cognitive function and sleep quality	Catherine Siengsukon	University of Kansas Medical Center, Kansas City	RR, SP/20	Completed; improved sleep quality significantly; read more, http://cmscscholar.org/wp-content/uploads/2016/05/sc_whit_sleep_exercise_siengsukon.pdf
Anticipatory postural control	REHAB	Restore	improve balance	Alexander Aruin	University of Illinois at Chicago	RR/20	Ongoing, no further information available.

Agent	TYPE OF INTER-VENTION	RE-SEARCH STRA-TEGY	PURPOSE OF STUDY	INVEST-IGATOR	UNIVERSITY/ COMPANY	TYPE OF MS/ NUMBER OF SUB-JECTS	STATUS/RESULTS
Axona® (caprylic triglyceride)	MED	Restore	improve cognitive function	Melissa R. Ortega and Heather Katzen	University of Miami; Accera, Inc.	All types/158	Recruiting; read more http://clinicaltrials.gov/show/NCT01848327
Atomoxetine	MED	Restore	improve memory	James Sumowski	Icahn School of Medicine at Mount Sinai, New York, NY	All types/15	Ongoing, no further information available.
Balance and eye movement exercises	REHAB	Restore	improve stability and reduce fatigue	Jeffrey Hebert	University of Colorado, Denver	All types/88	Ongoing, not recruiting; read more http://clinicaltrials.gov/show/NCT01698086
Balance training	REHAB	Restore	improve balance	Geetanjali Dutta	Oregon Health & Science University, Portland	All types/24	Completed; improvements using feed-forward postural strategy; read more http://journals.sagepub.com/doi/abs/10.1177/1545968315619700
Behavioral pain intervention	REHAB	Restore	reduce pain catastrophizing	K. Alschuler	University of Washington, Seattle	All types/40	Ongoing, no further information available.
Comp-ensatory step training	REHAB	Restore	prevent falling	K. Bo Foreman	University of Utah, Salt Lake City	RR/10	Ongoing, no further information available.
Comp-uterized cognitive exercise training	REHAB	Restore	improve cognitive function	Lauren Krupp	New York University	All types/136	Completed; significant improvement in cognitive function; read more http://www.abstractsonline.com/pp8/#!/4046/presentation/7245
Dal-fampridine and physical therapy	MED/ REHAB	Restore	improve gait problems	Prudence Plummer	University of North Carolina, Chapel Hill	All types/10	Ongoing, no further information available.

Agent	TYPE OF INTER-VENTION	RE-SEARCH STRA-TEGY	PURPOSE OF STUDY	INVEST-IGATOR	UNIVERSITY/ COMPANY	TYPE OF MS/ NUMBER OF SUB-JECTS	STATUS/RESULTS
Dance intervention, ballet	REHAB	Restore	improve balance, agility, and smoothness of movement during walking	Citlali Lopez-Ortiz	University of Illinois at Urbana-Champaign	All types/14	Ongoing, no further information available.
Deprexis (internet-based cognitive behavioral therapy)	REHAB	Restore	reduce depression	Stefan Gold	Charite University, Berlin, Germany	All types/400	Recruiting; read more https://clinicaltrials.gov/show/NCT02740361
Diet	COMP/ ALT	Restore	improve health and wellness	Ilana Katz Sand	Icahn School of Medicine at Mount Sinai, New York, NY	All types/30	Recruiting; read more https://clinicaltrials.gov/show/NCT02986893
Diet	COMP/ ALT	Restore	reduce fatigue	Terry Wahls	University of Iowa, Iowa City	RR/100	Recruiting; read more https://clinicaltrials.gov/show/NCT02914964
Diet (intermittent calorie restriction)	COMP/ ALT	Stop	test safety and tolerability	Ellen Mowry	Johns Hopkins University School of Medicine, Baltimore, MD	All types/36	Ongoing, not recruiting; read more https://clinicaltrials.gov/ct2/show/NCT02647502
Diet (intermittent calorie restriction)	COMP/ ALT	Stop	test safety and tolerability	Laura Piccio	Washington University School of Medicine, St. Louis	Relapsing/ 40	Recruiting; read more https://clinicaltrials.gov/show/NCT02411838
Dual task rehabilitation	REHAB	Restore	improve walking and cognitive function	Jacob Sosnoff	University of Illinois at Urbana-Champaign	With significant mobility im-pairment/ 30	Completed (results not reported yet); read more https://clinicaltrials.gov/show/NCT02274935

Agent	TYPE OF INTER-VENTION	RE-SEARCH STRA-TEGY	PURPOSE OF STUDY	INVEST-IGATOR	UNIVERSITY/ COMPANY	TYPE OF MS/ NUMBER OF SUB-JECTS	STATUS/RESULTS
Emotional processing intervention	REHAB	Restore	improve emotional function	Helen Genova	Kessler Foundation Research Center, West Orange, NJ	RR/50	Ongoing, no further information available.
Exoskeleton	REHAB	Restore	improve walking	Shuo-Hsiu Chang	The University of Texas Health Science Center, Houston	All types/10	Recruiting; read more https://clinicaltrials.gov/show/NCT02519244
Exoskeleton	REHAB	Restore	improve walking	Allan Kozlowski	Icahn School of Medicine at Mount Sinai, New York, NY	All types/12	Ongoing, no further information available.
Eye movement retraining	REHAB	Restore	improve mobility	Jon Marsden	Plymouth University, United Kingdom	SP, PP/30	Funded by the National MS Society jointly with other International Progressive MS Alliance members. Completed, 0culomotor training can improve eye hand co-ordination but not clinical functional measures. Read more http://onlinelibrary.ectrims-congress.eu/ectrims/2016/32nd/146627/jonathan.marsden.oculomotor.re-training.in.people.with.progressive.multiple.html?f=m3
Feedback presentation	REHAB	Restore	reduce fatigue	Ekaterina Dobryakova	Kessler Foundation Research Center, West Orange, NJ	All types/35	Ongoing, no further information available.

Agent	TYPE OF INTER-VENTION	RE-SEARCH STRA-TEGY	PURPOSE OF STUDY	INVEST-IGATOR	UNIVERSITY/ COMPANY	TYPE OF MS/ NUMBER OF SUB-JECTS	STATUS/RESULTS
Functional electrical stimulation cycling	REHAB	Restore	reduce fatigue	Deborah Backus	Shepherd Center, Atlanta, GA	Moderate to severe/20	Completed; significant improvements in cycling performance, fatigue, and pain. Read more http://www.nationalmssociety.org/About-the-Society/News/Two-Small-Studies-Find-Benefits-of-Exercise-for-Pe
Functional electrical stimulation cycling	REHAB	Restore	reducing vascular conditions	Emerson Sebastião	University of Illinois at Urbana-Champaign	Mild to moderate/ 60	Ongoing, no further information available.
Gait training	REHAB	Restore	improve walking	Peter Altenburger	Indiana University, Indianapolis	SP,PP/20	Ongoing, no further information available.
Glucose regulation	MED	Stop	decrease relapse severity or improve recovery from relapse	Myla Goldman	University of Virginia, Charlottesville	CIS,RR/1 60	Recruiting; read more https://clinicaltrials.gov/show/NCT03004079
Ibudilast	MED	Stop	protect nervous system and stop progression	Robert Fox	Cleveland Clinic Foundation, OH	SP, PP/250	Funded with the National Institutes of Neurological Diseases and Stroke, with added support by MediciNova, the supplier of ibudilast. Ongoing, not recruiting; http://clinicaltrials.gov/show/NCT01982942
Internet-based program to increase physical activity	REHAB	Restore	improve physical activity, walking ability, quality of life, and reduce fatigue, pain, depression	Robert Motl	University of Alabama at Birmingham	RR/280	Ongoing, no further information available.

Agent	TYPE OF INTER-VENTION	RE-SEARCH STRA-TEGY	PURPOSE OF STUDY	INVEST-IGATOR	UNIVERSITY/ COMPANY	TYPE OF MS/ NUMBER OF SUB-JECTS	STATUS/RESULTS
Leg cycling	REHAB	Restore	reduce spasticity	Jacob Sosnoff	University of Illinois at Urbana-Champaign	All types/30	Completed (results not reported yet).
Lung volume recruitment	REHAB	Restore	improve respiratory function	Nadim Srour	University of Ottawa, Ontario, CA	All types/35	Recruiting; read more http://clinicaltrials.gov/show/NCT01891071
Light therapy	REHAB	Restore	reduce fatigue	Farrah Mateen	Massachusetts General Hospital, Boston	RR/80	Recruiting; read more https://clinicaltrials.gov/show/NCT03060759
Lipoic acid and omega-3 fatty acids	COMP/ ALT	Restore	improve cognitive function	Lynne Shinto	Oregon Health & Science University, Portland	RR, SP/53	Ongoing, not recruiting, per communication with primary investigator.
Liothyronine	MED	Restore	test safety and tolerability	Scott Newsome	Johns Hopkins University School of Medicine, Baltimore, MD	Mild to moderate/ 20	Recruiting; read more https://clinicaltrials.gov/show/NCT02506751
Manualized cognitive rehabilitation program	REHAB	Restore	improve memory and the ability to perform activities	Michael Basso	University of Tulsa, OK	All types/20	Ongoing, no further information available.
Meditation	COMP/ ALT	Restore	improve emotional function	Ruchika Prakash	Ohio State University, Columbus	RR/24	Ongoing, no further information available.

Agent	TYPE OF INTER-VENTION	RE-SEARCH STRA-TEGY	PURPOSE OF STUDY	INVEST-IGATOR	UNIVERSITY/ COMPANY	TYPE OF MS/ NUMBER OF SUB-JECTS	STATUS/RESULTS
Meditation, neurofeedback, and/or self-hypnosis	COMP/ ALT/ REHAB	Restore	reduce pain and fatigue	Mark Jensen	University of Washington, Seattle	All types/30	Completed; findings indicate that reductions in pain (large) and fatigue (small) were enhanced by training in neurofeedback or meditation before hypnosis (Abstract #P233, World Congress Integrative Medicine & Health 2017)
Methyl-phenidate	MED	Restore	reduce cognitive fatigue	John DeLuca	Kessler Foundation Research Center, West Orange, NJ	All types/36	Recruiting; read more http://www.nationalmssociety.org/Research/Participate-in-Research-Studies/Participate-in-Clinical-Trials/Clinical-Trials/Clinical-Trial-Methylphenidate
MS SMART (three therapies with nerve-protecting potential: fluoxetine, amiloride, and riluzole)	MED	Stop	slow or stop MS progression	MS Clinical Trials Network established by the MS Society in the United Kingdom	University College and others, London, UK	SP/440	Funded with the U.K. MS Society. Ongoing, not recruiting; read more http://clinicaltrials.gov/show/NCT01910259
Multi-modal exercise program	REHAB	Restore	reduce progression of mobility disability	Robert Motl	University of Alabama at Birmingham	All types/40	Completed (results not reported yet).

Agent	TYPE OF INTER-VENTION	RE-SEARCH STRA-TEGY	PURPOSE OF STUDY	INVEST-IGATOR	UNIVERSITY/ COMPANY	TYPE OF MS/ NUMBER OF SUB-JECTS	STATUS/RESULTS
Positive airway pressure therapy	REHAB	Restore	improve cognitive function in people with sleep apnea	Tiffany Braley	University of Michigan, Ann Arbor	All types/175	Recruiting; read more https://clinicaltrials.gov/show/NCT02544373
Progressive resistance training	REHAB	Restore	predict improvement in functional movement	Kathleen Zackowski	Johns Hopkins University School of Medicine, Baltimore, MD	All types/60	Completed; significantly improved strength; read more https://www.ncbi.nlm.nih.gov/pubmed/26863451
Rituximab	MED	Stop	evaluate safety and effectiveness	Peter Calabresi	Johns Hopkins University School of Medicine, Baltimore, MD	SP,PP/12	Funded jointly with other International Progressive MS Alliance members. Recruiting, read more https://clinicaltrials.gov/show/NCT02253264
Rituximab with cerebral microdialysis	MED	Stop	test safety and effectiveness, and study immune messenger chemicals inside the brain	Anders Svennings-son	Umeå University, Sweden	SP,PP/20	Funded by the National MS Society jointly with other International Progressive MS Alliance members. Completed (results not reported yet). Read more https://clinicaltrials.gov/show/NCT01719159
Simvastatin	MED	Stop	test ability to protect nervous system	Jeremy Chataway	University College and others, London, UK	SP/1180	Funded jointly with National Institute for Health Research (U.K.) and MS Society (U.K.). Trial begins Spring 2017; read more http://www.nationalmssociety.org/About-the-Society/News/Multi-million-Dollar-Trial-to-Investigate-if-Stati

Agent	TYPE OF INTER-VENTION	RE-SEARCH STRA-TEGY	PURPOSE OF STUDY	INVEST-IGATOR	UNIVERSITY/ COMPANY	TYPE OF MS/ NUMBER OF SUB-JECTS	STATUS/RESULTS
Speed of processing training	REHAB	Restore	improve cognitive function	Nancy Chiaravalloti	Kessler Foundation Research Center, West Orange, NJ	All types/20	Ongoing, no further information available.
Speed of processing training	REHAB	Restore	improve cognitive function	Bonnie Glanz	Brigham and Women's Hospital, Boston, MA	All types/30	Ongoing, no further information available.
Stylistic memory enhancement	REHAB	Restore	improve learning and memory	Nancy Chiaravalloti	Kessler Foundation Research Center, West Orange, NJ	All types/30	Completed (results not reported yet).
Telehealth self-management intervention	REHAB	Restore	reduce fatigue and increase physical activity	Matthew Plow	Cleveland Clinic Foundation, OH	All types/215	Ongoing, not recruiting; read more http://clinicaltrials.gov/show/NCT01572714
Tissue selective estrogen complex	MED	Stop	to improve menopause and MS symptoms	Riley Bove	University of California, San Francisco	Women ages 40-62/24	Recruiting; read more https://clinicaltrials.gov/show/NCT02710214
Transcranial direct current stimulation	REHAB	Restore	improve cognition, fatigue	Leigh Charvet	New York University	All types/60	Recruiting; read more https://clinicaltrials.gov/ct2/show/NCT02746705
Video game based treatment	REHAB	Restore	improve arm strength	Lynne Gauthier	Ohio State University, Columbus	PP/16	Completed; self-reported fatigue decreased significantly, motor speed did not significantly improve, large change in perceived quality of arm use for daily activities, per report from primary investigator.

Agent	TYPE OF INTER-VENTION	RE-SEARCH STRA-TEGY	PURPOSE OF STUDY	INVEST-IGATOR	UNIVERSITY/ COMPANY	TYPE OF MS/ NUMBER OF SUB-JECTS	STATUS/RESULTS
Virtual reality intervention	REHAB	Restore	improve balance	Alon Kalron	Sheba Medical Center, Ramat Gan, Israel	RR/30	Completed; shown to be effective method of balance training, read more https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4772661/
Virtual reality-treadmill intervention	REHAB	Restore	improve mobility and cognitive function	Jeffrey Hausdorff	Tel Aviv Sourasky Medical Center, Israel	RR/144	Ongoing, no further information available.
Vitamin d + glatiramer acetate (copaxone®, Teva Pharma-ceutical Industries, LTD.)	MED	Stop	test safety and effectiveness in reducing disease activity	Ellen M. Mowry	Johns Hopkins University School of Medicine, Baltimore, MD	RR/172	Recruiting; read more http://clinicaltrials.gov/show/NCT01490502
Whole-body vibration training	REHAB	Restore	prevent falls	Feng Yang	The University of Texas at El Paso	All types/20	Completed; improved factors that lead to falls, read more https://www.ncbi.nlm.nih.gov/pubmed/27976932
Working memory training	REHAB	Restore	improve memory	Janet Shucard	State University of New York, Buffalo	RR/90	Ongoing, no further information available.