

CLNE0020: Motoneurons, Neuromuscular Junctions and Associated Disease

[View Online](#)

Al-Chalabi, Ammar, Leonard H. van den Berg, and Jan Veldink, 'Gene Discovery in Amyotrophic Lateral Sclerosis: Implications for Clinical Management', *Nature Reviews Neurology*, 13.2 (2017), 96–104 <<https://doi.org/10.1038/nrneurol.2016.182>>

Andreasson, Ulf, Kaj Blennow, and Henrik Zetterberg, 'Update on Ultrasensitive Technologies to Facilitate Research on Blood Biomarkers for Central Nervous System Disorders', *Alzheimer's & Dementia: Diagnosis, Assessment & Disease Monitoring*, 3 (2016), 98–102 <<https://doi.org/10.1016/j.dadm.2016.05.005>>

Badders, Nisha M, Ane Korff, Helen C Miranda, Pradeep K Vuppala, Rebecca B Smith, Brett J Winborn, and others, 'Selective Modulation of the Androgen Receptor AF2 Domain Rescues Degeneration in Spinal Bulbar Muscular Atrophy', *Nature Medicine*, 24.4 (2018), 427–37 <<https://doi.org/10.1038/nm.4500>>

Beitel, Lenore K., Carlos Alvarado, Shaza Mokhtar, Miltiadis Palouras, and Mark Trifiro, 'Mechanisms Mediating Spinal and Bulbar Muscular Atrophy: Investigations into Polyglutamine-Expanded Androgen Receptor Function and Dysfunction', *Frontiers in Neurology*, 4 (2013) <<https://doi.org/10.3389/fneur.2013.00053>>

Belaya, Katsiaryna, Pedro M. Rodríguez Cruz, Wei Wei Liu, Susan Maxwell, Simon McGowan, Maria E. Farrugia, and others, 'Mutations in Cause Congenital Myasthenic Syndrome and Bridge Myasthenic Disorders with Dystroglycanopathies', *Brain*, 138.9 (2015), 2493–2504 <<https://doi.org/10.1093/brain/awv185>>

Benatar, Michael, Kevin Boylan, Andreas Jeromin, Seward B. Rutkove, James Berry, Nazem Atassi, and others, 'ALS Biomarkers for Therapy Development: State of the Field and Future Directions', *Muscle & Nerve*, 53.2 (2016), 169–82 <<https://doi.org/10.1002/mus.24979>>

Berlowitz, David J, Mark E Howard, Julio F Fiore, Stephen Vander Hoorn, Fergal J O'Donoghue, Justine Westlake, and others, 'Identifying Who Will Benefit from Non-Invasive Ventilation in Amyotrophic Lateral Sclerosis/Motor Neurone Disease in a Clinical Cohort', *Journal of Neurology, Neurosurgery & Psychiatry*, 87.3 (2016), 280–86 <<https://doi.org/10.1136/jnnp-2014-310055>>

Birnkrant, David J, Katharine Bushby, Carla M Bann, Benjamin A Alman, Susan D Apkon, Angela Blackwell, and others, 'Diagnosis and Management of Duchenne Muscular Dystrophy, Part 2: Respiratory, Cardiac, Bone Health, and Orthopaedic Management', *The Lancet Neurology*, 17.4 (2018), 347–61 <[https://doi.org/10.1016/S1474-4422\(18\)30025-5](https://doi.org/10.1016/S1474-4422(18)30025-5)>

Birnkrant, David J, Katharine Bushby, Carla M Bann, Susan D Apkon, Angela Blackwell, David Brumbaugh, and others, 'Diagnosis and Management of Duchenne Muscular Dystrophy, Part 1: Diagnosis, and Neuromuscular, Rehabilitation, Endocrine, and Gastrointestinal and Nutritional Management', *The Lancet Neurology*, 17.3 (2018), 251–67 <[https://doi.org/10.1016/S1474-4422\(18\)30024-3](https://doi.org/10.1016/S1474-4422(18)30024-3)>

Birnkrant, David J, Katharine Bushby, Carla M Bann, Susan D Apkon, Angela Blackwell, Mary K Colvin, and others, 'Diagnosis and Management of Duchenne Muscular Dystrophy, Part 3: Primary Care, Emergency Management, Psychosocial Care, and Transitions of Care across the Lifespan', *The Lancet Neurology*, 17.5 (2018), 445–55 <[https://doi.org/10.1016/S1474-4422\(18\)30026-7](https://doi.org/10.1016/S1474-4422(18)30026-7)>

Bonanomi, D., and S. L. Pfaff, 'Motor Axon Pathfinding', *Cold Spring Harbor Perspectives in Biology*, 2.3 (2010), a001735-a001735 <<https://doi.org/10.1101/cshperspect.a001735>>

Brownstone, Robert M., and Tuan V. Bui, 'Spinal Interneurons Providing Input to the Final Common Path during Locomotion', in *Breathe, Walk and Chew: The Neural Challenge: Part I* (Elsevier, 2010), clxxxvii, 81–95 <<https://doi.org/10.1016/B978-0-444-53613-6.00006-X>>

Carri, Maria Teresa, Nadia D'Ambrosi, and Mauro Cozzolino, 'Pathways to Mitochondrial Dysfunction in ALS Pathogenesis', *Biochemical and Biophysical Research Communications*, 483.4 (2017), 1187–93 <<https://doi.org/10.1016/j.bbrc.2016.07.055>>

Cortes, Constanza J., Shuo-Chien Ling, Ling T. Guo, Gene Hung, Taiji Tsunemi, Linda Ly, and others, 'Muscle Expression of Mutant Androgen Receptor Accounts for Systemic and Motor Neuron Disease Phenotypes in Spinal and Bulbar Muscular Atrophy', *Neuron*, 82.2 (2014), 295–307 <<https://doi.org/10.1016/j.neuron.2014.03.001>>

Couratier, P., P. Corcia, G. Lautrette, M. Nicol, P.-M. Preux, and B. Marin, 'Epidemiology of Amyotrophic Lateral Sclerosis: A Review of Literature', *Revue Neurologique*, 172.1 (2016), 37–45 <<https://doi.org/10.1016/j.neurol.2015.11.002>>

Crisp, Sarah J., Dimitri M. Kullmann, and Angela Vincent, 'Autoimmune Synaptopathies', *Nature Reviews Neuroscience*, 17.2 (2016), 103–17 <<https://doi.org/10.1038/nrn.2015.27>>

———, 'Autoimmune Synaptopathies', *Nature Reviews Neuroscience*, 17.2 (2016), 103–17 <<https://doi.org/10.1038/nrn.2015.27>>

Cruz, Pedro M. Rodríguez, Jacqueline Palace, and David Beeson, 'Congenital Myasthenic Syndromes and the Neuromuscular Junction', *Current Opinion in Neurology*, 27.5 (2014), 566–75 <<https://doi.org/10.1097/WCO.0000000000000134>>

Darabid, Houssam, Anna P. Perez-Gonzalez, and Richard Robitaille, 'Neuromuscular Synaptogenesis: Coordinating Partners with Multiple Functions', *Nature Reviews Neuroscience*, 15.11 (2014), 703–18 <<https://doi.org/10.1038/nrn3821>>

Dasen, Jeremy S., and Thomas M. Jessell, 'Chapter Six Hox Networks and the Origins of Motor Neuron Diversity', in *Hox Genes* (Elsevier, 2009), lxxxviii, 169–200 <[https://doi.org/10.1016/S0070-2153\(09\)88006-X](https://doi.org/10.1016/S0070-2153(09)88006-X)>

Drory, Vivian E., Evgeny Goltsman, Jacqueline Goldman Reznik, Amnon Mosek, and Amos D. Korczyn, 'The Value of Muscle Exercise in Patients with Amyotrophic Lateral Sclerosis', Journal of the Neurological Sciences, 191.1-2 (2001), 133-37
[<https://doi.org/10.1016/S0022-510X\(01\)00610-4>](https://doi.org/10.1016/S0022-510X(01)00610-4)

Engel, Andrew G, Xin-Ming Shen, Duygu Selcen, and Steven M Sine, 'Congenital Myasthenic Syndromes: Pathogenesis, Diagnosis, and Treatment', The Lancet Neurology, 14.4 (2015), 420-34 <[https://doi.org/10.1016/S1474-4422\(14\)70201-7](https://doi.org/10.1016/S1474-4422(14)70201-7)>

Finkel, Richard S., Eugenio Mercuri, Oscar H. Meyer, Anita K. Simonds, Mary K. Schroth, Robert J. Graham, and others, 'Diagnosis and Management of Spinal Muscular Atrophy: Part 2: Pulmonary and Acute Care; Medications, Supplements and Immunizations; Other Organ Systems; and Ethics', Neuromuscular Disorders, 28.3 (2018), 197-207
[<https://doi.org/10.1016/j.nmd.2017.11.004>](https://doi.org/10.1016/j.nmd.2017.11.004)

Fratta, P., N. Nirmalanathan, L. Masset, I. Skorupinska, T. Collins, A. Cortese, and others, 'Correlation of Clinical and Molecular Features in Spinal Bulbar Muscular Atrophy', Neurology, 82.23 (2014), 2077-84 <<https://doi.org/10.1212/WNL.0000000000000507>>

Fuller, Geraint, and Mark Manford, Neurology: An Illustrated Colour Text, 3rd ed (Edinburgh: Churchill Livingstone Elsevier, 2010)
[<http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3669595080004761&institutionId=4761&customerId=4760>](http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3669595080004761&institutionId=4761&customerId=4760)

Gendron, Tania F., Jeannie Chew, Jeannette N. Stankowski, Lindsey R. Hayes, Yong-Jie Zhang, Mercedes Prudencio, and others, 'Poly(GP) Proteins Are a Useful Pharmacodynamic Marker for -Associated Amyotrophic Lateral Sclerosis', Science Translational Medicine, 9.383 (2017) <<https://doi.org/10.1126/scitranslmed.aai7866>>

Gibson, Summer, and Verena Haringer, 'Amyotrophic Lateral Sclerosis: Clinical Perspectives', Orphan Drugs: Research and Reviews, 2015
[<https://doi.org/10.2147/ODRR.S63585>](https://doi.org/10.2147/ODRR.S63585)

Gilhus, Nils E., 'Myasthenia Gravis', New England Journal of Medicine, 375.26 (2016), 2570-81 <<https://doi.org/10.1056/NEJMra1602678>>

Gordon, Elizabeth, Jonathan D. Rohrer, and Nick C. Fox, 'Advances in Neuroimaging in Frontotemporal Dementia', Journal of Neurochemistry, 138 (2016), 193-210
[<https://doi.org/10.1111/jnc.13656>](https://doi.org/10.1111/jnc.13656)

Harland, Richard, 'Neural Induction', Current Opinion in Genetics & Development, 10.4 (2000), 357-62 <[https://doi.org/10.1016/S0959-437X\(00\)00096-4](https://doi.org/10.1016/S0959-437X(00)00096-4)>

Harwood, Ceryl A., Christopher J. McDermott, and Pamela J. Shaw, 'Clinical Aspects of Motor Neurone Disease', Medicine, 40.10 (2012), 540-45
[<https://doi.org/10.1016/j.mpmed.2012.07.003>](https://doi.org/10.1016/j.mpmed.2012.07.003)

Hughes, JP, S Rees, SB Kalindjian, and KL Philpott, 'Principles of Early Drug Discovery', British Journal of Pharmacology, 162.6 (2011), 1239-49
[<https://doi.org/10.1111/j.1476-5381.2010.01127.x>](https://doi.org/10.1111/j.1476-5381.2010.01127.x)

Jacobson, Leslie, Agata Polizzi, Gillian Morriss-Kay, and Angela Vincent, 'Plasma from Human Mothers of Fetuses with Severe Arthrogryposis Multiplex Congenita Causes Deformities in Mice', *Journal of Clinical Investigation*, 103.7 (1999), 1031–38
[<https://doi.org/10.1172/JCI5943>](https://doi.org/10.1172/JCI5943)

Jessell, Thomas M., 'Neuronal Specification in the Spinal Cord: Inductive Signals and Transcriptional Codes', *Nature Reviews Genetics*, 1.1 (2000), 20–29
[<https://doi.org/10.1038/35049541>](https://doi.org/10.1038/35049541)

Jones, Ross A., Carl Harrison, Samantha L. Eaton, Maica Llavero Hurtado, Laura C. Graham, Leena Alkhammash, and others, 'Cellular and Molecular Anatomy of the Human Neuromuscular Junction', *Cell Reports*, 21.9 (2017), 2348–56
[<https://doi.org/10.1016/j.celrep.2017.11.008>](https://doi.org/10.1016/j.celrep.2017.11.008)

Kanning, Kevin C., Artem Kaplan, and Christopher E. Henderson, 'Motor Neuron Diversity in Development and Disease', *Annual Review of Neuroscience*, 33.1 (2010), 409–40
[<https://doi.org/10.1146/annurev.neuro.051508.135722>](https://doi.org/10.1146/annurev.neuro.051508.135722)

Koneczny, Inga, Judith Cossins, and Angela Vincent, 'The Role of Muscle-Specific Tyrosine Kinase (MuSK) and Mystery of MuSK Myasthenia Gravis', *Journal of Anatomy*, 224.1 (2014), 29–35 [<https://doi.org/10.1111/joa.12034>](https://doi.org/10.1111/joa.12034)

Koneczny, Inga, Judith Cossins, Patrick Waters, David Beeson, and Angela Vincent, 'MuSK Myasthenia Gravis IgG4 Disrupts the Interaction of LRP4 with MuSK but Both IgG4 and IgG1-3 Can Disperse Preformed Agrin-Independent AChR Clusters', *PLoS ONE*, 8.11 (2013) [<https://doi.org/10.1371/journal.pone.0080695>](https://doi.org/10.1371/journal.pone.0080695)

Kusner, Linda L., and Henry J. Kaminski, 'Myasthenia Gravis', in *Neurobiology of Brain Disorders* (Elsevier, 2015), pp. 135–50
[<https://doi.org/10.1016/B978-0-12-398270-4.00010-0>](https://doi.org/10.1016/B978-0-12-398270-4.00010-0)

Ladle, David R., Eline Pecho-Vrieseling, and Silvia Arber, 'Assembly of Motor Circuits in the Spinal Cord: Driven to Function by Genetic and Experience-Dependent Mechanisms', *Neuron*, 56.2 (2007), 270–83 [<https://doi.org/10.1016/j.neuron.2007.09.026>](https://doi.org/10.1016/j.neuron.2007.09.026)

Laurá, Matilde, Dishan Singh, Gita Ramdharry, Jasper Morrow, Mariola Skorupinska, Davide Pareyson, and others, 'Prevalence and Orthopedic Management of Foot and Ankle Deformities in Charcot-Marie-Tooth Disease', *Muscle & Nerve*, 57.2 (2018), 255–59
[<https://doi.org/10.1002/mus.25724>](https://doi.org/10.1002/mus.25724)

Leung, Doris G., Other Proven and Putative Autoimmune Disorders of the Peripheral Nervous System (Oxford University Press, 2017), i
[<https://doi.org/10.1093/med/9780199937837.003.0098>](https://doi.org/10.1093/med/9780199937837.003.0098)

Li, Lei, Wen-Cheng Xiong, and Lin Mei, 'Neuromuscular Junction Formation, Aging, and Disorders', *Annual Review of Physiology*, 80.1 (2018), 159–88
[<https://doi.org/10.1146/annurev-physiol-022516-034255>](https://doi.org/10.1146/annurev-physiol-022516-034255)

Lieberman, Andrew P., Zhigang Yu, Sue Murray, Raechele Peralta, Audrey Low, Shuling Guo, and others, 'Peripheral Androgen Receptor Gene Suppression Rescues Disease in Mouse Models of Spinal and Bulbar Muscular Atrophy', *Cell Reports*, 7.3 (2014), 774–84

<<https://doi.org/10.1016/j.celrep.2014.02.008>>

Lin, G., D. Mao, and H.J. Bellen, 'Amyotrophic Lateral Sclerosis Pathogenesis Converges on Defects in Protein Homeostasis Associated with TDP-43 Mislocalization and Proteasome-Mediated Degradation Overload', in *Fly Models of Human Diseases* (Elsevier, 2017), cxxi, 111–71 <<https://doi.org/10.1016/bs.ctdb.2016.07.004>>

Lu, C.-H., C. Macdonald-Wallis, E. Gray, N. Pearce, A. Petzold, N. Norgren, and others, 'Neurofilament Light Chain: A Prognostic Biomarker in Amyotrophic Lateral Sclerosis', *Neurology*, 84.22 (2015), 2247–57 <<https://doi.org/10.1212/WNL.0000000000001642>>

Malik, B., N. Nirmalanathan, L. G. Bilsland, A. R. La Spada, M. G. Hanna, G. Schiavo, and others, 'Absence of Disturbed Axonal Transport in Spinal and Bulbar Muscular Atrophy', *Human Molecular Genetics*, 20.9 (2011), 1776–86 <<https://doi.org/10.1093/hmg/ddr061>>

Malik, Bilal, Niranjanan Nirmalanathan, Anna L. Gray, Albert R. La Spada, Michael G. Hanna, and Linda Greensmith, 'Co-Induction of the Heat Shock Response Ameliorates Disease Progression in a Mouse Model of Human Spinal and Bulbar Muscular Atrophy: Implications for Therapy', *Brain*, 136.3 (2013), 926–43
<<https://doi.org/10.1093/brain/aws343>>

Manzano, Raquel, Gianni Sorarú, Christopher Grunseich, Pietro Fratta, Emanuela Zuccaro, Maria Pennuto, and others, 'Beyond Motor Neurons: Expanding the Clinical Spectrum in Kennedy's Disease', *Journal of Neurology, Neurosurgery & Psychiatry*, 89.8 (2018), 808–12 <<https://doi.org/10.1136/jnnp-2017-316961>>

Maragakis, Nicholas J., 'What Can We Learn from the Edaravone Development Program for ALS?', *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, 18.sup1 (2017), 98–103 <<https://doi.org/10.1080/21678421.2017.1361446>>

Mazzone, Elena S., Anna Mayhew, Jacqueline Montes, Danielle Ramsey, Lavinia Fanelli, Sally Dunaway Young, and others, 'Revised Upper Limb Module for Spinal Muscular Atrophy: Development of a New Module', *Muscle & Nerve*, 55.6 (2017), 869–74
<<https://doi.org/10.1002/mus.25430>>

Mercuri, Eugenio, Richard S. Finkel, Francesco Muntoni, Brunhilde Wirth, Jacqueline Montes, Marion Main, and others, 'Diagnosis and Management of Spinal Muscular Atrophy: Part 1: Recommendations for Diagnosis, Rehabilitation, Orthopedic and Nutritional Care', *Neuromuscular Disorders*, 28.2 (2018), 103–15
<<https://doi.org/10.1016/j.nmd.2017.11.005>>

Meriggioli, Matthew N, and Donald B Sanders, 'Autoimmune Myasthenia Gravis: Emerging Clinical and Biological Heterogeneity', *The Lancet Neurology*, 8.5 (2009), 475–90
<[https://doi.org/10.1016/S1474-4422\(09\)70063-8](https://doi.org/10.1016/S1474-4422(09)70063-8)>

Milioto, Carmelo, Adriana Malena, Eleonora Maino, Maria J. Polanco, Caterina Marchioretti, Doriana Borgia, and others, 'Beta-Agonist Stimulation Ameliorates the Phenotype of Spinal and Bulbar Muscular Atrophy Mice and Patient-Derived Myotubes', *Scientific Reports*, 7.1 (2017) <<https://doi.org/10.1038/srep41046>>

Mitsumoto, Hiroshi, Benjamin R Brooks, and Vincenzo Silani, 'Clinical Trials in Amyotrophic Lateral Sclerosis: Why so Many Negative Trials and How Can Trials Be Improved?', *The Lancet Neurology*, 13.11 (2014), 1127–38
[<https://doi.org/10.1016/S1474-4422\(14\)70129-2>](https://doi.org/10.1016/S1474-4422(14)70129-2)

Monahan, Zachary, Frank Shewmaker, and Udai Bhan Pandey, 'Stress Granules at the Intersection of Autophagy and ALS', *Brain Research*, 1649 (2016), 189–200
[<https://doi.org/10.1016/j.brainres.2016.05.022>](https://doi.org/10.1016/j.brainres.2016.05.022)

Morgan, Sarah, and Richard W. Orrell, 'Pathogenesis of Amyotrophic Lateral Sclerosis', *British Medical Bulletin*, 119.1 (2016), 87–98 [<https://doi.org/10.1093/bmb/ldw026>](https://doi.org/10.1093/bmb/ldw026)

Morren, John A, and Nestor Galvez-Jimenez, 'Current and Prospective Disease-Modifying Therapies for Amyotrophic Lateral Sclerosis', *Expert Opinion on Investigational Drugs*, 21.3 (2012), 297–320 [<https://doi.org/10.1517/13543784.2012.657303>](https://doi.org/10.1517/13543784.2012.657303)

'Motor Neurone Disease: Assessment and Management | Guidance and Guidelines | NICE'
[<https://www.nice.org.uk/guidance/ng42>](https://www.nice.org.uk/guidance/ng42)

Nishimune, Hiroshi, Gregorio Valdez, George Jarad, Casey L. Moulson, Ulrich Müller, Jeffrey H. Miner, and others, 'Laminins Promote Postsynaptic Maturation by an Autocrine Mechanism at the Neuromuscular Junction', *The Journal of Cell Biology*, 182.6 (2008), 1201–15 [<https://doi.org/10.1083/jcb.200805095>](https://doi.org/10.1083/jcb.200805095)

O'Connor, Emily, Ana Töpf, René P. Zahedi, Sally Spendiff, Daniel Cox, Andreas Roos, and others, 'Clinical and Research Strategies for Limb-Girdle Congenital Myasthenic Syndromes', *Annals of the New York Academy of Sciences*, 1412.1 (2018), 102–12
[<https://doi.org/10.1111/nyas.13520>](https://doi.org/10.1111/nyas.13520)

Orrell, Richard WBarclay, Chris, 'Diagnosis and Management of Motor Neurone Disease', *Practitioner*, 260, 17–21
[<https://search.proquest.com/docview/1844334383/64C39DCAF3D346C0PQ/1?accountid=14511>](https://search.proquest.com/docview/1844334383/64C39DCAF3D346C0PQ/1?accountid=14511)

Otto, Markus, Robert Bowser, Martin Turner, James Berry, Johannes Brettschneider, James Connor, and others, 'Roadmap and Standard Operating Procedures for Biobanking and Discovery of Neurochemical Markers in ALS', *Amyotrophic Lateral Sclerosis*, 13.1 (2012), 1–10 [<https://doi.org/10.3109/17482968.2011.627589>](https://doi.org/10.3109/17482968.2011.627589)

Peragallo, Jason H., 'Pediatric Myasthenia Gravis', *Seminars in Pediatric Neurology*, 24.2 (2017), 116–21 [<https://doi.org/10.1016/j.spen.2017.04.003>](https://doi.org/10.1016/j.spen.2017.04.003)

Ramdharry, Gita M., Alexander Pollard, Cheryl Anderson, Matilde Laurá, Sinead M. Murphy, Magdalena Dudziec, and others, 'A Pilot Study of Proximal Strength Training in Charcot-Marie-Tooth Disease', *Journal of the Peripheral Nervous System*, 19.4 (2014), 328–32 [<https://doi.org/10.1111/jns.12100>](https://doi.org/10.1111/jns.12100)

Ramsey, Danielle, Mariacristina Scoto, Anna Mayhew, Marion Main, Elena S. Mazzone, Jacqueline Montes, and others, 'Revised Hammersmith Scale for Spinal Muscular Atrophy: A SMA Specific Clinical Outcome Assessment Tool', *PLOS ONE*, 12.2 (2017)
[<https://doi.org/10.1371/journal.pone.0172346>](https://doi.org/10.1371/journal.pone.0172346)

Reilly, Mary M., Davide Pareyson, Joshua Burns, Matilde Laurá, Michael E. Shy, Dishan Singh, and others, '221st ENMC International Workshop':, Neuromuscular Disorders, 27.12 (2017), 1138-42 <<https://doi.org/10.1016/j.nmd.2017.09.005>>

Renton, Alan E, Adriano Chiò, and Bryan J Traynor, 'State of Play in Amyotrophic Lateral Sclerosis Genetics', Nature Neuroscience, 17.1 (2014), 17-23
<<https://doi.org/10.1038/nn.3584>>

Rodríguez Cruz, Pedro M., Jacqueline Palace, and David Beeson, 'Inherited Disorders of the Neuromuscular Junction: An Update', Journal of Neurology, 261.11 (2014), 2234-43
<<https://doi.org/10.1007/s00415-014-7520-7>>

Rodríguez Cruz, Pedro M., Caroline Sewry, David Beeson, Sandeep Jayawant, Waney Squier, Robert McWilliam, and others, 'Congenital Myopathies with Secondary Neuromuscular Transmission Defects; A Case Report and Review of the Literature', Neuromuscular Disorders, 24.12 (2014), 1103-10
<<https://doi.org/10.1016/j.nmd.2014.07.005>>

Rudolf, RÃ¼diger, Muzamil Majid Khan, Siegfried Labeit, and Michael R. Deschenes, 'Degeneration of Neuromuscular Junction in Age and Dystrophy', Frontiers in Aging Neuroscience, 6 (2014) <<https://doi.org/10.3389/fnagi.2014.00099>>

Ruegsegger, Céline, and Smita Saxena, 'Proteostasis Impairment in ALS', Brain Research, 1648 (2016), 571-79 <<https://doi.org/10.1016/j.brainres.2016.03.032>>

Scoto, M, R S Finkel, E Mercuri, and F Muntoni, 'Therapeutic Approaches for Spinal Muscular Atrophy (SMA)', Gene Therapy, 24.9 (2017), 514-19
<<https://doi.org/10.1038/gt.2017.45>>

Singhal, Neha, and Paul T. Martin, 'Role of Extracellular Matrix Proteins and Their Receptors in the Development of the Vertebrate Neuromuscular Junction', Developmental Neurobiology, 71.11 (2011), 982-1005 <<https://doi.org/10.1002/dneu.20953>>

Spillane, J., D. J. Beeson, and D. M. Kullmann, 'Myasthenia and Related Disorders of the Neuromuscular Junction', Journal of Neurology, Neurosurgery & Psychiatry, 81.8 (2010), 850-57 <<https://doi.org/10.1136/jnnp.2008.169367>>

Spillane, J., Y. Ermolyuk, M. Cano-Jaimez, B. Lang, A. Vincent, K. E. Volynski, and others, 'Lambert-Eaton Syndrome IgG Inhibits Transmitter Release via P/Q Ca²⁺ Channels', Neurology, 84.6 (2015), 575-79 <<https://doi.org/10.1212/WNL.0000000000001225>>

Viegas, Stuart, Leslie Jacobson, Patrick Waters, Judith Cossins, Saiju Jacob, M. Isabel Leite, and others, 'Passive and Active Immunization Models of MuSK-Ab Positive Myasthenia: Electrophysiological Evidence for Pre and Postsynaptic Defects', Experimental Neurology, 234.2 (2012), 506-12 <<https://doi.org/10.1016/j.expneurol.2012.01.025>>

Vincent, Angela, 'Unravelling the Pathogenesis of Myasthenia Gravis', Nature Reviews Immunology, 2.10 (2002), 797-804 <<https://doi.org/10.1038/nri916>>

'Volume 58, Issue 3, March 2016', Volume 58, Issue 3, March 2016
<<https://link.springer.com/journal/12031/58/3>>

Westerberg, Elisabet, Carl Johan Molin, Sören Spörndly Nees, Johan Widenfalk, and Anna Rostedt Punga, 'The Impact of Physical Exercise on Neuromuscular Function in Myasthenia Gravis Patients', Medicine, 97.31 (2018)
<<https://doi.org/10.1097/MD.00000000000011510>>

Wolfe, Gil I., Henry J. Kaminski, Inmaculada B. Aban, Greg Minisman, Hui-Chien Kuo, Alexander Marx, and others, 'Randomized Trial of Thymectomy in Myasthenia Gravis', New England Journal of Medicine, 375.6 (2016), 511-22
<<https://doi.org/10.1056/NEJMoa1602489>>

Woollacott, Ione O. C., and Jonathan D. Rohrer, 'The Clinical Spectrum of Sporadic and Familial Forms of Frontotemporal Dementia', Journal of Neurochemistry, 138 (2016), 6-31
<<https://doi.org/10.1111/jnc.13654>>