

CLNE0022: Skeletal Muscle and Associated Diseases

[View Online](#)

Ahmed, Mhoriam, Pedro M. Machado, Adrian Miller, Charlotte Spicer, Laura Herbelin, Jianghua He, Janelle Noel, et al. 2016. 'Targeting Protein Homeostasis in Sporadic Inclusion Body Myositis'. *Science Translational Medicine* 8 (331): 331ra41-331ra41.
<https://doi.org/10.1126/scitranslmed.aad4583>.

Amato, Anthony A., and Steven A. Greenberg. 2013. 'Inflammatory Myopathies'. *CONTINUUM: Lifelong Learning in Neurology* 19 (December): 1615–33.
<https://doi.org/10.1212/01.CON.0000440662.26427.bd>.

'An Information Leaflet for Surgical Patients.' 1983. *Annals of The Royal College of Surgeons of England* 65 (4). <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2494353/>.

Atherton, P. J., and K. Smith. 2012a. 'Muscle Protein Synthesis in Response to Nutrition and Exercise'. *The Journal of Physiology* 590 (5): 1049–57.
<https://doi.org/10.1113/jphysiol.2011.225003>.

———. 2012b. 'Muscle Protein Synthesis in Response to Nutrition and Exercise'. *The Journal of Physiology* 590 (5): 1049–57. <https://doi.org/10.1113/jphysiol.2011.225003>.

Baar, Keith. 2014a. 'Using Molecular Biology to Maximize Concurrent Training'. *Sports Medicine* 44 (S2): 117–25. <https://doi.org/10.1007/s40279-014-0252-0>.

———. 2014b. 'Using Molecular Biology to Maximize Concurrent Training'. *Sports Medicine* 44 (S2): 117–25. <https://doi.org/10.1007/s40279-014-0252-0>.

Baioni, Mariana T. C., and Celia R. Ambiel. 2010. 'Spinal Muscular Atrophy: Diagnosis, Treatment and Future Prospects'. *Jornal de Pediatria* 86 (4): 261–70.
<https://doi.org/10.2223/JPED.1988>.

'Balance and Walking Involvement in Facioscapulohumeral Dystrophy: A Pilot Study on the Effects of Custom Lower Limb Orthoses - European Journal of Physical and Rehabilitation Medicine 2013 April;49(2):169-78 - Minerva Medica - Journals'. n.d.
<https://www.minervamedica.it/en/journals/europa-medicophysica/article.php?cod=R33Y2013N02A0169>.

Barohn, Richard J., Mazen M. Dimachkie, and Carlayne E. Jackson. 2014. 'A Pattern Recognition Approach to Patients with a Suspected Myopathy'. *Neurologic Clinics* 32 (3): 569–93. <https://doi.org/10.1016/j.ncl.2014.04.008>.

Berthelsen, Martin Peter, Edith Husu, Sofie Bouschinger Christensen, Kira Philipsen Prahm,

John Vissing, and Bente Rona Jensen. 2014. 'Anti-Gravity Training Improves Walking Capacity and Postural Balance in Patients with Muscular Dystrophy'. *Neuromuscular Disorders* 24 (6): 492–98. <https://doi.org/10.1016/j.nmd.2014.03.001>.

Boldrin, Luisa, and Jennifer E Morgan. 2007. 'Activating Muscle Stem Cells: Therapeutic Potential in Muscle Diseases'. *Current Opinion in Neurology* 20 (5): 577–82. <https://doi.org/10.1097/WCO.0b013e3282ef5919>.

Boldrin, Luisa, Peter S. Zammit, and Jennifer E. Morgan. 2015. 'Satellite Cells from Dystrophic Muscle Retain Regenerative Capacity'. *Stem Cell Research* 14 (1): 20–29. <https://doi.org/10.1016/j.scr.2014.10.007>.

Briggs, Deborah, and Jennifer E. Morgan. 2013. 'Recent Progress in Satellite Cell/Myoblast Engraftment - Relevance for Therapy'. *FEBS Journal* 280 (17): 4281–93. <https://doi.org/10.1111/febs.12273>.

Bushby, Katharine, Richard Finkel, David J Birnkrant, Laura E Case, Paula R Clemens, Linda Cripe, Ajay Kaul, et al. 2010a. 'Diagnosis and Management of Duchenne Muscular Dystrophy, Part 1: Diagnosis, and Pharmacological and Psychosocial Management'. *The Lancet Neurology* 9 (1): 77–93. [https://doi.org/10.1016/S1474-4422\(09\)70271-6](https://doi.org/10.1016/S1474-4422(09)70271-6).

———. 2010b. 'Diagnosis and Management of Duchenne Muscular Dystrophy, Part 2: Implementation of Multidisciplinary Care'. *The Lancet Neurology* 9 (2): 177–89. [https://doi.org/10.1016/S1474-4422\(09\)70272-8](https://doi.org/10.1016/S1474-4422(09)70272-8).

Bushby, Katharine, Richard Finkel, Brenda Wong, Richard Barohn, Craig Campbell, Giacomo P. Comi, Anne M. Connolly, et al. 2014. 'Ataluren Treatment of Patients with Nonsense Mutation Dystrophinopathy'. *Muscle & Nerve* 50 (4): 477–87. <https://doi.org/10.1002/mus.24332>.

By:Gordon, AM (Gordon, AM); Homsher, E (Homsher, E); Regnier, M (Regnier, M). 2000. 'Regulation of Contraction in Striated Muscle'. *PHYSIOLOGICAL REVIEWS* PHYSIOLOGICAL REVIEWS 80 (2): 853–924.
http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=13&SID=C49BOGnSGP9s3PqA3ow&page=1&doc=1.

By:Jones, SW (Jones, SW); Hill, RJ (Hill, RJ); Krasney, PA (Krasney, PA); O'Conner, B (O'Conner, B); Peirce, N (Peirce, N); Greenhaff, PL (Greenhaff, PL). 2004. 'Disuse Atrophy and Exercise Rehabilitation in Humans Profoundly Affects the Expression of Genes Associated with the Regulation of Skeletal Muscle Mass'. *FASEB JOURNAL* FASEB JOURNAL 18 (6). <https://doi.org/10.1096/fj.03-1228fje>.

Carstens, P. -O., and J. Schmidt. 2014. 'Diagnosis, Pathogenesis and Treatment of Myositis: Recent Advances'. *Clinical & Experimental Immunology* 175 (3): 349–58. <https://doi.org/10.1111/cei.12194>.

Cirak, Sebahattin, Virginia Arechavala-Gomeza, Michela Guglieri, Lucy Feng, Silvia Torelli, Karen Anthony, Stephen Abbs, et al. 2011. 'Exon Skipping and Dystrophin Restoration in Patients with Duchenne Muscular Dystrophy after Systemic Phosphorodiamidate Morpholino Oligomer Treatment: An Open-Label, Phase 2, Dose-Escalation Study'. *The Lancet* 378 (9791): 595–605. [https://doi.org/10.1016/S0140-6736\(11\)60756-3](https://doi.org/10.1016/S0140-6736(11)60756-3).

Craig, Daniel M., Stephen P. Ashcroft, Micah Y. Belew, Ben Stocks, Kevin Currell, Keith Baar, and Andrew Philp. 2015. 'Utilizing Small Nutrient Compounds as Enhancers of Exercise-Induced Mitochondrial Biogenesis'. *Frontiers in Physiology* 6 (October). <https://doi.org/10.3389/fphys.2015.00296>.

Cup, Edith H., Allan J. Pieterse, Jessica M. ten Broek-Pastoor, Marten Munneke, Baziel G. van Engelen, Henk T. Hendricks, Gert J. van der Wilt, and Rob A. Oostendorp. 2007. 'Exercise Therapy and Other Types of Physical Therapy for Patients With Neuromuscular Diseases: A Systematic Review'. *Archives of Physical Medicine and Rehabilitation* 88 (11): 1452–64. <https://doi.org/10.1016/j.apmr.2007.07.024>.

Dalakas, Marinos C. 2015. 'Inflammatory Muscle Diseases'. *New England Journal of Medicine* 372 (18): 1734–47. <https://doi.org/10.1056/NEJMra1402225>.

Darras, Basil T., Darryl C. De Vivo, and H. Royden Jones. 2003. *Neuromuscular Disorders of Infancy, Childhood, and Adolescence: A Clinician's Approach*. Philadelphia, Penn. ; London: Butterworth-Heinemann.

Department of Health. 2003. 'Toolkit for Producing Patient Information, Version 2'. London: Crown copyright.
<https://www.uea.ac.uk/documents/246046/0/Toolkit+for+producing+patient+information.pdf>.

Dubowitz, Victor, Caroline A. Sewry, and Anders Oldfors. 2013. *Muscle Biopsy: A Practical Approach*. Fourth edition. [Philadelphia, Pa.]: Saunders Elsevier.

Egner, Ingrid M., Jo C. Bruusgaard, Einar Eftestøl, and Kristian Gundersen. 2013. 'A Cellular Memory Mechanism Aids Overload Hypertrophy in Muscle Long after an Episodic Exposure to Anabolic Steroids'. *The Journal of Physiology* 591 (24): 6221–30.
<https://doi.org/10.1113/jphysiol.2013.264457>.

Feingold, Brian, William T. Mahle, Scott Auerbach, Paula Clemens, Andrea A. Domenighetti, John L. Jefferies, Daniel P. Judge, et al. 2017. 'Management of Cardiac Involvement Associated With Neuromuscular Diseases: A Scientific Statement From the American Heart Association'. *Circulation* 136 (13). <https://doi.org/10.1161/CIR.000000000000526>.

Fitts, R. H., S. W. Trappe, D. L. Costill, P. M. Gallagher, A. C. Creer, P. A. Colloton, J. R. Peters, J. G. Romatowski, J. L. Bain, and D. A. Riley. 2010. 'Prolonged Space Flight-Induced Alterations in the Structure and Function of Human Skeletal Muscle Fibres'. *The Journal of Physiology* 588 (18): 3567–92. <https://doi.org/10.1113/jphysiol.2010.188508>.

Forbes, Sean C., Rebecca J. Willcocks, William T. Triplett, William D. Rooney, Donovan J. Lott, Dah-Jyuu Wang, Jim Pollaro, et al. 2014. 'Magnetic Resonance Imaging and Spectroscopy Assessment of Lower Extremity Skeletal Muscles in Boys with Duchenne Muscular Dystrophy: A Multicenter Cross Sectional Study'. *PLoS ONE* 9 (9).
<https://doi.org/10.1371/journal.pone.0106435>.

'Force-Velocity Properties of Human Skeletal Muscle Fibres: Myosin Heavy Chain Isoform and Temperature Dependence.' 1996. *The Journal of Physiology* 495 (Pt 2).
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1160815/>.

Fuglsang-Frederiksen, Anders. 2006. 'The Role of Different EMG Methods in Evaluating Myopathy'. *Clinical Neurophysiology* 117 (6): 1173–89.
<https://doi.org/10.1016/j.clinph.2005.12.018>.

Garner, Mark, Zhenye Ning, and Jill Francis. 2012. 'A Framework for the Evaluation of Patient Information Leaflets'. *Health Expectations* 15 (3): 283–94.
<https://doi.org/10.1111/j.1369-7625.2011.00665.x>.

Glover, G. H., and E. Schneider. 1991. 'Three-Point Dixon Technique for True Water/Fat Decomposition with B0 Inhomogeneity Correction'. *Magnetic Resonance in Medicine* 18 (2): 371–83. <https://doi.org/10.1002/mrm.1910180211>.

Goemans, Nathalie M., Mar Tulinius, Johanna T. van den Akker, Brigitte E. Burm, Peter F. Ekhart, Niki Heuvelmans, Tjadine Holling, et al. 2011. 'Systemic Administration of PRO051 in Duchenne's Muscular Dystrophy'. *New England Journal of Medicine* 364 (16): 1513–22.
<https://doi.org/10.1056/NEJMoa1011367>.

Great Britain. Audit Commission for Local Authorities and the National Health Service in England and Wales. n.d. What Seems to Be the Matter Communication (National Health Service Report). Stationery Office.
<https://webarchive.nationalarchives.gov.uk/20150410163038/http://archive.audit-commission.gov.uk/auditcommission/aboutus/publications/pages/national-reports-and-studies-archive.aspx.html>.

Hardie, D. Grahame, and Kei Sakamoto. 2006. 'AMPK: A Key Sensor of Fuel and Energy Status in Skeletal Muscle'. *Physiology* 21 (1): 48–60.
<https://doi.org/10.1152/physiol.00044.2005>.

Harridge, S. D. R., R. Bottinelli, M. Canepari, M. A. Pellegrino, C. Reggiani, M. Esbjörnsson, and B. Saltin. 1996. 'Whole-Muscle and Single-Fibre Contractile Properties and Myosin Heavy Chain Isoforms in Humans'. *Pflügers Archiv - European Journal of Physiology* 432 (5): 913–20. <https://doi.org/10.1007/s004240050215>.

Hawley, John A., Mark Hargreaves, Michael J. Joyner, and Juleen R. Zierath. 2014. 'Integrative Biology of Exercise'. *Cell* 159 (4): 738–49.
<https://doi.org/10.1016/j.cell.2014.10.029>.

Hoffmann, Georg F., Johannes Zschocke, and William L. Nyhan, eds. 2017. *Inherited Metabolic Diseases: A Clinical Approach*. Second edition. Berlin: Springer.

Hogrel, Jean-Yves, Claire Wary, Amélie Moraux, Noura Azzabou, Valérie Decostre, Gwenn Ollivier, Aurélie Canal, et al. 2016. 'Longitudinal Functional and NMR Assessment of Upper Limbs in Duchenne Muscular Dystrophy'. *Neurology* 86 (11): 1022–30.
<https://doi.org/10.1212/WNL.0000000000002464>.

Hoier, Birgitte, and Ylva Hellsten. 2014. 'Exercise-Induced Capillary Growth in Human Skeletal Muscle and the Dynamics of VEGF'. *Microcirculation* 21 (4): 301–14.
<https://doi.org/10.1111/micc.12117>.

Hollak, Carla E. M., and Robin Lachmann, eds. 2016a. *Inherited Metabolic Disease in Adults*. Vol. 1. Oxford University Press. <https://doi.org/10.1093/med/9780199972135.001.0001>.

———, eds. 2016b. Inherited Metabolic Disease in Adults. Vol. 1. Oxford University Press.
<https://doi.org/10.1093/med/9780199972135.001.0001>.

Hollingsworth, Kieren G., Paulo L. de Sousa, Volker Straub, and Pierre G. Carlier. 2012. 'Towards Harmonization of Protocols for MRI Outcome Measures in Skeletal Muscle Studies: Consensus Recommendations from Two TREAT-NMD NMR Workshops, 2 May 2010, Stockholm, Sweden, 1-2 October 2009, Paris, France'. *Neuromuscular Disorders* 22 (October): S54–67. <https://doi.org/10.1016/j.nmd.2012.06.005>.

Hunter, S., M. White, and M. Thompson. 1998. 'Techniques to Evaluate Elderly Human Muscle Function: A Physiological Basis'. *The Journals of Gerontology Series A: Biological Sciences and Medical Sciences* 53A (3): B204–16.
<https://doi.org/10.1093/gerona/53A.3.B204>.

Institute of Neurology, Queen Square and National Hospital for Neurology and Neurosurgery (London, England). 2016. *Neurology: A Queen Square Textbook*. Edited by Charles Clarke, Robin Howard, M. Rossor, and S. D. Shorvon. Second edition. Chichester, West Sussex, UK: John Wiley & Sons, Inc.
<https://onlinelibrary.wiley.com/doi/book/10.1002/9781118486160>.

Jeppesen, T. D., M. Schwartz, D. B. Olsen, F. Wibrand, T. Krag, M. Duno, S. Hauerslev, and J. Vissing. 2006. 'Aerobic Training Is Safe and Improves Exercise Capacity in Patients with Mitochondrial Myopathy'. *Brain* 129 (12): 3402–12. <https://doi.org/10.1093/brain/awl149>.

Jones, D. A., Arnold de Haan, and Joan M. Round. 2004. *Skeletal Muscle from Molecules to Movement: A Textbook of Muscle Physiology for Sport, Exercise, Physiotherapy and Medicine*. Edinburgh: Churchill Livingstone.

Kadi, F. 2008. 'Cellular and Molecular Mechanisms Responsible for the Action of Testosterone on Human Skeletal Muscle. A Basis for Illegal Performance Enhancement'. *British Journal of Pharmacology* 154 (3): 522–28. <https://doi.org/10.1038/bjp.2008.118>.

Kim, Hee Kyung, Suraj Serai, Diana Lindquist, Arnold C. Merrow, Paul S. Horn, Dong Hoon Kim, and Brenda L. Wong. 2015. 'Quantitative Skeletal Muscle MRI: Part 2, MR Spectroscopy and T2 Relaxation Time Mapping—Comparison Between Boys With Duchenne Muscular Dystrophy and Healthy Boys'. *American Journal of Roentgenology* 205 (2): W216–23. <https://doi.org/10.2214/AJR.14.13755>.

Kinali, Maria, Virginia Arechavala-Gomeza, Lucy Feng, Sebahattin Cirak, David Hunt, Carl Adkin, Michela Guglieri, et al. 2009. 'Local Restoration of Dystrophin Expression with the Morpholino Oligomer AVI-4658 in Duchenne Muscular Dystrophy: A Single-Blind, Placebo-Controlled, Dose-Escalation, Proof-of-Concept Study'. *The Lancet Neurology* 8 (10): 918–28. [https://doi.org/10.1016/S1474-4422\(09\)70211-X](https://doi.org/10.1016/S1474-4422(09)70211-X).

Machado, Pedro, Stefen Brady, and Michael G. Hanna. 2013. 'Update in Inclusion Body Myositis'. *Current Opinion in Rheumatology* 25 (6): 763–71.
<https://doi.org/10.1097/BOR.0000434671.77891.9a>.

Machado, Pedro M., Mhoriam Ahmed, Stefen Brady, Qiang Gang, Estelle Healy, Jasper M. Morrow, Amanda C. Wallace, et al. 2014. 'Ongoing Developments in Sporadic Inclusion Body Myositis'. *Current Rheumatology Reports* 16 (12).

<https://doi.org/10.1007/s11926-014-0477-9>.

Machado, Pedro M., Mazen M. Dimachkie, and Richard J. Barohn. 2014. 'Sporadic Inclusion Body Myositis'. *Current Opinion in Neurology* 27 (5): 591–98.
<https://doi.org/10.1097/WCO.0000000000000129>.

Marcotte, George R., Daniel W. D. West, and Keith Baar. 2015. 'The Molecular Basis for Load-Induced Skeletal Muscle Hypertrophy'. *Calcified Tissue International* 96 (3): 196–210.
<https://doi.org/10.1007/s00223-014-9925-9>.

Matthews, Emma, and Michael G. Hanna. 2014. 'Skeletal Muscle Channelopathies'. In *Oxford Textbook of Neuromuscular Disorders*, edited by David Hilton-Jones and Martin R. Turner, 316–25. Oxford University Press.
<https://doi.org/10.1093/med/9780199698073.003.0031>.

Mendell, Jerry R., Nathalie Goemans, Linda P. Lowes, Lindsay N. Alfano, Katherine Berry, James Shao, Edward M. Kaye, and Eugenio Mercuri. 2016. 'Longitudinal Effect of Eteplirsen versus Historical Control on Ambulation in Duchenne Muscular Dystrophy'. *Annals of Neurology* 79 (2): 257–71. <https://doi.org/10.1002/ana.24555>.

Mendell, Jerry R., Louise R. Rodino-Klapac, Zarife Sahenk, Kandice Roush, Loren Bird, Linda P. Lowes, Lindsay Alfano, et al. 2013. 'Eteplirsen for the Treatment of Duchenne Muscular Dystrophy'. *Annals of Neurology* 74 (5): 637–47. <https://doi.org/10.1002/ana.23982>.

Mercuri, Eugenio, Enrico Bertini, and Susan T Iannaccone. 2012. 'Childhood Spinal Muscular Atrophy: Controversies and Challenges'. *The Lancet Neurology* 11 (5): 443–52.
[https://doi.org/10.1016/S1474-4422\(12\)70061-3](https://doi.org/10.1016/S1474-4422(12)70061-3).

Miguel A Martín. 2014. 'Glycogen Storage Disease Type V'. *Gene Reviews*.
<https://www.ncbi.nlm.nih.gov/books/NBK1344/>.

Muntoni, Francesco, Silvia Torelli, and Alessandra Ferlini. 2003. 'Dystrophin and Mutations: One Gene, Several Proteins, Multiple Phenotypes'. *The Lancet Neurology* 2 (12): 731–40.
[https://doi.org/10.1016/S1474-4422\(03\)00585-4](https://doi.org/10.1016/S1474-4422(03)00585-4).

Nancy D Leslie. 2018. 'Very Long-Chain Acyl-Coenzyme A Dehydrogenase Deficiency'. *Gene Reviews*. <https://www.ncbi.nlm.nih.gov/books/NBK6816/>.

Nancy Leslie. 2017. 'Pompe Disease'. *Gene Reviews*.
<https://www.ncbi.nlm.nih.gov/books/NBK1261/>.

Needham, Merrilee, and Frank L. Mastaglia. 2016. 'Sporadic Inclusion Body Myositis: A Review of Recent Clinical Advances and Current Approaches to Diagnosis and Treatment'. *Clinical Neurophysiology* 127 (3): 1764–73. <https://doi.org/10.1016/j.clinph.2015.12.011>.

'Neuromuscular Disease Center'. n.d. <https://neuromuscular.wustl.edu/>.

'Neuropathology and Applied Neurobiology'. n.d. Volume 43, Issue 1.
<https://onlinelibrary.wiley.com/toc/13652990/2017/43/1>.

O'Brien, Thomas D., Neil D. Reeves, Vasilios Baltzopoulos, David A. Jones, and

Constantinos N. Maganaris. 2010. 'In Vivo Measurements of Muscle Specific Tension in Adults and Children'. *Experimental Physiology* 95 (1): 202-10.
<https://doi.org/10.1113/expphysiol.2009.048967>.

Olivé, Montse, Rudolf A. Kley, and Lev G. Goldfarb. 2013. 'Myofibrillar Myopathies'. *Current Opinion in Neurology* 26 (5): 527-35. <https://doi.org/10.1097/WCO.0b013e328364d6b1>.

Olpin, Simon Edward, Elaine Murphy, Richard James Kirk, Robert William Taylor, and Rosaline Quinlivan. 2015. 'The Investigation and Management of Metabolic Myopathies'. *Journal of Clinical Pathology* 68 (6): 410-17. <https://doi.org/10.1136/jclinpath-2014-202808>.

Ørnsgreen, Mette Cathrine, and John Vissing. 2017. 'Treatment Opportunities in Patients With Metabolic Myopathies'. *Current Treatment Options in Neurology* 19 (11).
<https://doi.org/10.1007/s11940-017-0473-2>.

Paganoni, Sabrina, and Anthony Amato. 2013. 'Electrodiagnostic Evaluation of Myopathies'. *Physical Medicine and Rehabilitation Clinics of North America* 24 (1): 193-207. <https://doi.org/10.1016/j.pmr.2012.08.017>.

'Prescription Information Leaflets: A Pilot Study in General Practice.' 1983. *British Medical Journal (Clinical Research Ed.)* 287 (6400).
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1549423/>.

Puthucheary, Zudin A., Jaikirity Rawal, Mark McPhail, Bronwen Connolly, Gamunu Ratnayake, Pearl Chan, Nicholas S. Hopkinson, et al. 2013. 'Acute Skeletal Muscle Wasting in Critical Illness'. *JAMA* 310 (15). <https://doi.org/10.1001/jama.2013.278481>.

Rennie, Michael J., Henning Wackerhage, Espen E. Spangenberg, and Frank W. Booth. 2004a. 'Control of the Size of the Human Muscle Mass'. *Annual Review of Physiology* 66 (1): 799-828. <https://doi.org/10.1146/annurev.physiol.66.052102.134444>.

———. 2004b. 'Control of the Size of the Human Muscle Mass'. *Annual Review of Physiology* 66 (1): 799-828. <https://doi.org/10.1146/annurev.physiol.66.052102.134444>.

Ricotti, V., D. A. Ridout, E. Scott, R. Quinlivan, S. A. Robb, A. Y. Manzur, F. Muntoni, et al. 2013. 'Long-Term Benefits and Adverse Effects of Intermittent versus Daily Glucocorticoids in Boys with Duchenne Muscular Dystrophy'. *Journal of Neurology, Neurosurgery & Psychiatry* 84 (6): 698-705. <https://doi.org/10.1136/jnnp-2012-303902>.

Ross, Jacob, Abigail Benn, Jacqueline Jonuschies, Luisa Boldrin, Francesco Muntoni, Jane E. Hewitt, Susan C. Brown, and Jennifer E. Morgan. 2012. 'Defects in Glycosylation Impair Satellite Stem Cell Function and Niche Composition in the Muscles of the Dystrophic Large Mouse'. *STEM CELLS* 30 (10): 2330-41.
<https://doi.org/10.1002/stem.1197>.

Rudnik-Schöneborn, Sabine, Irena Hausmanowa-Petrusewicz, Janina Borkowska, and Klaus Zerres. 2001. 'The Predictive Value of Achieved Motor Milestones Assessed in 441 Patients with Infantile Spinal Muscular Atrophy Types II and III'. *European Neurology* 45 (3): 174-81. <https://doi.org/10.1159/000052118>.

Russman, B. S., C. R. Buncher, M. White, F. J. Samaha, and S. T. Iannaccone. 1996. 'Function Changes in Spinal Muscular Atrophy II and III'. *Neurology* 47 (4): 973–76. <https://doi.org/10.1212/WNL.47.4.973>.

Saudubray, J. M., Matthias R. Baumgartner, and John Walter, eds. 2016. *Inborn Metabolic Diseases: Diagnosis and Treatment*. 6th edition. Berlin: Springer.

Schröder, Rolf, and Benedikt Schoser. 2009. 'Myofibrillar Myopathies: A Clinical and Myopathological Guide'. *Brain Pathology* 19 (3): 483–92. <https://doi.org/10.1111/j.1750-3639.2009.00289.x>.

Shavlakadze, Thea, and Miranda Grounds. 2006. 'Of Bears, Frogs, Meat, Mice and Men: Complexity of Factors Affecting Skeletal Muscle Mass and Fat'. *BioEssays* 28 (10): 994–1009. <https://doi.org/10.1002/bies.20479>.

Sveen, Marie-Louise, Søren P. Andersen, Lina H. Ingelsrud, Sarah Blichter, Niels E. Olsen, Simon Jönck, Thomas O. Krag, and John Vissing. 2013. 'Resistance Training in Patients with Limb-Girdle and Becker Muscular Dystrophies'. *Muscle & Nerve* 47 (2): 163–69. <https://doi.org/10.1002/mus.23491>.

Thomas Wieser. 2017. 'Carnitine Palmitoyltransferase II Deficiency'. *Gene Reviews*. <https://www.ncbi.nlm.nih.gov/books/NBK1253/>.

Velloso, C P. 2008. 'Regulation of Muscle Mass by Growth Hormone and IGF-I'. *British Journal of Pharmacology* 154 (3): 557–68. <https://doi.org/10.1038/bjp.2008.153>.

Voet, Nicoline BM, Elly L van der Kooi, Ingrid I Riphagen, Eline Lindeman, Bazio GM van Engelen, and Alexander CH Geurts. 2013. 'Strength Training and Aerobic Exercise Training for Muscle Disease'. *Cochrane Database of Systematic Reviews*, July. <https://doi.org/10.1002/14651858.CD003907.pub4>.

Wang, Ching H., Richard S. Finkel, Enrico S. Bertini, Mary Schroth, Anita Simonds, Brenda Wong, Annie Aloysius, et al. 2007. 'Consensus Statement for Standard of Care in Spinal Muscular Atrophy'. *Journal of Child Neurology* 22 (8): 1027–49. <https://doi.org/10.1177/0883073807305788>.

Wattjes, Mike P., and Dirk Fischer. 2013. *Neuromuscular Imaging*. New York: Springer. http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3320980190004761&institutionId=4761&customerId=4760.

Wiggs, Michael P. 2015. 'Can Endurance Exercise Preconditioning Prevent Disuse Muscle Atrophy?' *Frontiers in Physiology* 6 (March). <https://doi.org/10.3389/fphys.2015.00063>.

Willcocks, Rebecca J., William D. Rooney, William T. Triplett, Sean C. Forbes, Donovan J. Lott, Claudia R. Senesac, Michael J. Daniels, et al. 2016. 'Multicenter Prospective Longitudinal Study of Magnetic Resonance Biomarkers in a Large Duchenne Muscular Dystrophy Cohort'. *Annals of Neurology* 79 (4): 535–47. <https://doi.org/10.1002/ana.24599>.

Zammit, Peter S., Jon P. Golding, Yosuke Nagata, Valérie Hudon, Terence A. Partridge, and Jonathan R. Beauchamp. 2004. 'Muscle Satellite Cells Adopt Divergent Fates'. *The Journal of Cell Biology* 166 (3): 347–57. <https://doi.org/10.1083/jcb.200312007>.