

# Movement & Exercise Citations

## Lesser Known Benefits of Exercise

- **Exercise & Multiple Sclerosis**
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  - Genova H, Dacosta-Aguayo R, Goverover Y, Smith A, Bober C, DeLuca J. Effects of a Single Bout of Aquatic Exercise on Mood in Multiple Sclerosis: A Pilot Study. *Int J MS Care.* 2020;22(4):173-177. doi:10.7224/1537-2073.2018-079
- **Exercise & Blood Sugar Regulation**
  - Thyfault JP, Bergouignan A. Exercise and metabolic health: beyond skeletal muscle. *Diabetologia.* 2020;63(8):1464-1474. doi:10.1007/s00125-020-05177-6
- **Exercise & the Microbiome**
  - Dalton A, Mermier C, Zuhl M. Exercise influence on the microbiome-gut-brain axis. *Gut Microbes.* 2019;10(5):555-568. doi:10.1080/19490976.2018.1562268
- **Exercise & Mitochondrial Function**
  - Huertas JR, Casuso RA, Agustín PH, Cigliati S. Stay Fit, Stay Young: Mitochondria in Movement: The Role of Exercise in the New Mitochondrial Paradigm. *Oxid Med Cell Longev.* 2019;2019:7058350. Published 2019 Jun 19. doi:10.1155/2019/7058350
- **Exercise & Liver Function**
  - Pillon Barcelos R, Freire Royes LF, Gonzalez-Gallego J, Bresciani G. Oxidative stress and inflammation: liver responses and adaptations to acute and regular exercise. *Free Radic Res.* 2017;51(2):222-236. doi:10.1080/10715762.2017.1291942
- **Exercise Enhances Creativity**
  - Pedro Ángel Latorre Román, Antonio Pantoja Vallejo & Beatriz Berrios Aguayo (2018) Acute Aerobic Exercise Enhances Students' Creativity, *Creativity Research Journal*, 30:3, 310-315, DOI: 10.1080/10400419.2018.1488198
- **Benefits of Good Sleep & Regular Exercise**
  - Dolezal BA, Neufeld EV, Boland DM, Martin JL, Cooper CB. The interrelationship between Sleep and Exercise: A Systematic Review [published correction appears in *Adv Prev Med.* 2017;2017:5979510]. *Adv Prev Med.* 2017;2017:1364387. doi:10.1155/2017/1364387
- **Exercise & Cardiovascular Health Benefits**
  - Fiuz-Luces C, Santos-Lozano A, Joyner M, et al. Exercise benefits in cardiovascular disease: beyond attenuation of traditional risk factors. *Nat Rev Cardiol.* 2018;15(12):731-743. doi:10.1038/s41569-018-0065-1
- **Anti-inflammatory Effect of Exercise in Autoimmunity**
  - Sharif K, Watad A, Bragazzi NL, Lichtbroun M, Amital H, Shoenfeld Y. Physical activity and autoimmune diseases: Get moving and manage the disease. *Autoimmun Rev.* 2018;17(1):53-72. doi:10.1016/j.autrev.2017.11.010

## Building a Better Exercise Routine

- **Department of Health and Human Services Recommendations PDF**
  - [https://health.gov/sites/default/files/2019-09/Physical\\_Activity\\_Guidelines\\_2nd\\_edition.pdf](https://health.gov/sites/default/files/2019-09/Physical_Activity_Guidelines_2nd_edition.pdf)

# Movement & Exercise Citations

## Adaptive Exercise

### • Exercise and Multiple Sclerosis

- Edwards T, Pilutti LA. The effect of exercise training in adults with multiple sclerosis with severe mobility disability: A systematic review and future research directions. *Mult Scler Relat Disord.* 2017;16:31-39. doi:10.1016/j.msard.2017.06.003

## Exercise: Your Menu of Options

### • Effects of Exercise in MS Patients

- Kerling A, Keweloh K, Tegtbur U, et al. Effects of a Short Physical Exercise Intervention on Patients with Multiple Sclerosis (MS). *Int J Mol Sci.* 2015;16(7):15761-15775. Published 2015 Jul 10. doi:10.3390/ijms160715761
- Yoosefinejad AK, Motealleh A, Khademi S, Hosseini SF. Lower Endurance and Strength of Core Muscles in Patients with Multiple Sclerosis. *Int J MS Care.* 2017;19(2):100-104. doi:10.7224/1537-2073.2015-064

### • HIIT & Remyelination/Decreased Severity of Disease in Mice has Implications for MS

- Farahmand F, Nourshahi M, Soleimani M, Rajabi H, Power KE. The effect of 6 weeks of high intensity interval training on myelin biomarkers and demyelination in experimental autoimmune encephalomyelitis model. *J Neuroimmunol.* 2020;346:577306. doi:10.1016/j.jneuroim.2020.577306

### • HIIT for MS

- Campbell E, Coulter EH, Paul L. High intensity interval training for people with multiple sclerosis: A systematic review. *Mult Scler Relat Disord.* 2018;24:55-63. doi:10.1016/j.msard.2018.06.005