

References

- Kristensen J, Franklyn-Miller A. Resistance training in musculoskeletal rehabilitation: a systematic review. *Br J Sports Med.* 2012;46(10):719-726. doi:10.1136/bjsm.2010.079376
- Lorenz D, Morrison S. CURRENT CONCEPTS IN PERIODIZATION OF STRENGTH AND CONDITIONING FOR THE SPORTS PHYSICAL THERAPIST. *Int J Sports Phys Ther.* 2015;10(6):734-747.
- Panariello RA, Stump TJ, Cordasco FA. The Lower Extremity Athlete: Postrehabilitation Performance and Injury Prevention Training. *Operative Techniques in Sports Medicine.* 2017;25(3):231-240. doi:https://doi.org/10.1053/j.otsm.2017.07.011
- Haff G, Triplett T. *Essentials of Strength Training and Conditioning.* 4th ed. Human Kinetics; 2016.
- Sands W, Wurth J, Hewit J. *The National Strength and Conditioning Association's (NSCA) BASICS of STRENGTH and CONDITIONING MANUAL.*; 2012.
https://www.nsc.com/contentassets/116c55d64e1343d2b264e05aaf158a91/basics_of_strength_and_conditioning_manual.pdf
- Jeffreys I, Moody J. *Strength and Conditioning for Sports Performance.* Routledge; 2016.
- Sands W, Wurth J, Hewit J. *The National Strength and Conditioning Association's (NSCA) BASICS of STRENGTH and CONDITIONING MANUAL.*; 2012.
https://www.nsc.com/contentassets/116c55d64e1343d2b264e05aaf158a91/basics_of_strength_and_conditioning_manual.pdf
- Simão R, de Salles BF, Figueiredo T, Dias I, Willardson JM. Exercise order in resistance training. *Sports Med.* 2012;42(3):251-265. doi:10.2165/11597240-000000000-00000
- Kessinger TK, Melton B, Miyashita T, Ryan G. The Effectiveness of Frequency-Based Resistance Training Protocols on Muscular Performance and Hypertrophy in Trained Males: A Critically Appraised Topic. *J Sport Rehabil.* 2020;29(7):1024-1031. Published 2020 Apr 25. doi:10.1123/jsr.2019-0491
- Candow DG, Burke DG. Effect of short-term equal-volume resistance training with different workout frequency on muscle mass and strength in untrained men and women. *J Strength Cond Res.* 2007;21(1):204-207. doi:10.1519/00124278-200702000-00037
- Faigenbaum AD, McFarland JE, Keiper FB, Tevlin W, Ratamess NA, Kang J, Hoffman JR. Effects of a short-term plyometric and resistance training program on fitness performance in boys age 12 to 15 years. *J Sports Sci Med.* 2007 Dec 1;6(4):519-25. PMID: 24149486; PMCID: PMC3794493.

Taaffe DR, Duret C, Wheeler S, Marcus R. Once-weekly resistance exercise improves muscle strength and neuromuscular performance in older adults. *J Am Geriatr Soc*. 1999;47(10):1208-1214. doi:10.1111/j.1532-5415.1999.tb05201.x

Lorenz D, Morrison S, Panariello R, Maddalone D. Principles of Sport Performance Enhancement. In: *SCS Preparatory Course*. American Academy of Sports Physical Therapy; 2019.

Peterson MD, Rhea MR, Alvar BA. Applications of the dose-response for muscular strength development: a review of meta-analytic efficacy and reliability for designing training prescription. *J Strength Cond Res*. 2005;19(4):950-958. doi:10.1519/R-16874.1

Borde R, Hortobágyi T, Granacher U. Dose-Response Relationships of Resistance Training in Healthy Old Adults: A Systematic Review and Meta-Analysis. *Sports Med*. 2015 Dec;45(12):1693-720. doi: 10.1007/s40279-015-0385-9. PMID: 26420238; PMCID: PMC4656698.

Androulakis-Korakakis P, Fisher JP, Steele J. The Minimum Effective Training Dose Required to Increase 1RM Strength in Resistance-Trained Men: A Systematic Review and Meta-Analysis. *Sports Med*. 2020;50(4):751-765. doi:10.1007/s40279-019-01236-0

Lesinski M, Prieske O, Granacher U. Effects and dose-response relationships of resistance training on physical performance in youth athletes: a systematic review and meta-analysis. *Br J Sports Med*. 2016;50(13):781-795. doi:10.1136/bjsports-2015-095497

Slimani M, Paravlic A, Granacher U. A Meta-Analysis to Determine Strength Training Related Dose-Response Relationships for Lower-Limb Muscle Power Development in Young Athletes. *Front Physiol*. 2018;9:1155. Published 2018 Aug 22. doi:10.3389/fphys.2018.01155

Lea JWD, O'Driscoll JM, Hulbert S, Scales J, Wiles JD. Convergent Validity of Ratings of Perceived Exertion During Resistance Exercise in Healthy Participants: A Systematic Review and Meta-Analysis. *Sports Med Open*. 2022;8(1):2. Published 2022 Jan 8. doi:10.1186/s40798-021-00386-8

Lagally KM, Robertson RJ. Construct validity of the OMNI resistance exercise scale. *J Strength Cond Res*. 2006;20(2):252-256. doi:10.1519/R-17224.1

Helms ER, Byrnes RK, Cooke DM, et al. RPE vs. Percentage 1RM Loading in Periodized Programs Matched for Sets and Repetitions. *Front Physiol*. 2018;9:247. Published 2018 Mar 21. doi:10.3389/fphys.2018.00247

Lovegrove S, Hughes LJ, Mansfield SK, Read PJ, Price P, Patterson SD. Repetitions in Reserve Is a Reliable Tool for Prescribing Resistance Training Load. *J Strength Cond Res*. 2022;36(10):2696-2700. doi:10.1519/JSC.0000000000003952

Reynolds JM, Gordon TJ, Robergs RA. Prediction of one repetition maximum strength from multiple repetition maximum testing and anthropometry. *J Strength Cond Res.* 2006;20(3):584-592. doi:10.1519/R-15304.1

Whisenant MJ, Panton LB, East WB, Broeder CE. Validation of submaximal prediction equations for the 1 repetition maximum bench press test on a group of collegiate football players. *J Strength Cond Res.* 2003;17(2):221-227. doi:10.1519/1533-4287(2003)017<0221:vospef>2.0.co;2

KNUTZEN KM, BRILLA LR, CAINE D. Validity of 1RM Prediction Equations for Older Adults. *Journal of Strength and Conditioning Research.* 1999;13(3):242.

LeSuer DA, McCormick JH, Mayhew JL, Wasserstein RL, Arnold MD. The Accuracy of Prediction Equations for Estimating 1- RM Performance in the Bench Press, Squat, and Deadlift. *Journal of Strength and Conditioning Research.* 1997;11(4):211–213.

Baker, Daniel MHS, CSCS; Newton, Robert U. PhD, CSCS. Methods to Increase the Effectiveness of Maximal Power Training for the Upper Body. *Strength and Conditioning Journal* 27(6):p 24-32, December 2005.

Mann JB. *The APRE: the scientifically proven fastest way to get strong*; 2011.

Zhang X, Li H, Bi S, Luo Y, Cao Y, Zhang G. Auto-Regulation Method vs. Fixed-Loading Method in Maximum Strength Training for Athletes: A Systematic Review and Meta-Analysis. *Front Physiol.* 2021;12:651112. *Front Physiol.* 2021;12:244. doi:10.3389/fphys.2021.651112

Horschig AD, Neff TE, Serrano AJ. Utilization of autoregulatory progressive resistance exercise in transitional rehabilitation periodization of a high school football-player following anterior cruciate ligament reconstruction: a case report. *Int J Sports Phys Ther.* 2014;9(5):691–8.

Mann JB, Thyfault JP, Ivey PA, Sayers SP. The effect of autoregulatory progressive resistance exercise vs. linear periodization on strength improvement in college athletes. *J Strength Cond Res.* 2010;24(7):1718-1723. doi:10.1519/JSC.0b013e3181def4a6

McNamara JM, Stearne DJ. Flexible nonlinear periodization in a beginner college weight training class. *J Strength Cond Res.* 2010;24(8):2012–7.

Suchomel TJ, Nimphius S, Bellon CR, Hornsby WG, Stone MH. Training for Muscular Strength: Methods for Monitoring and Adjusting Training Intensity. *Sports Med.* 2021;51(10):2051-2066. doi:10.1007/s40279-021-01488-9

Knight KL. Knee rehabilitation by the daily adjustable progressive resistive exercise technique. *Am J Sports Med.* 1979;7(6):336-337. doi:10.1177/036354657900700605

Knight KL. Quadriceps strengthening with the DAPRE technique: case studies with neurological implications. *Med Sci Sports Exerc.* 1985;17(6):646-650.
doi:10.1249/00005768-198512000-00004

Wilson, Maj. Eric. The Daily Adjustable Progressive Resistance Exercise System: Getting Reacquainted With an Old Friend. *Strength and Conditioning Journal* 30(2):p 76-78, April 2008.
| DOI: 10.1519/SSC.0b013e31816a87d8

Jovanović M., Flanagan E. Researched applications of velocity based strength training. *J. Aust. Strength Cond.* 2014;22:58–69

Walker O. Velocity based training. *Science for Sport.*
<https://www.scienceforsport.com/velocity-based-training/>. Published August 5, 2017. Accessed March 28, 2023.

Douglas J, Pearson S, Ross A, McGuigan M. Chronic Adaptations to Eccentric Training: A Systematic Review. *Sports Med.* 2017;47(5):917-941. doi:10.1007/s40279-016-0628-4

Roll F, Omer J. FOOTBALL: Tulane football winter program. *Strength Cond J.* 1987;9(6):34–8.

Davies, T.B., Tran, D.L., Hogan, C.M. *et al.* Chronic Effects of Altering Resistance Training Set Configurations Using Cluster Sets: A Systematic Review and Meta-Analysis. *Sports Med* **51**, 707–736 (2021). <https://doi-org.libproxy.lib.unc.edu/10.1007/s40279-020-01408-3>

Haff GG, Whitley A, McCoy LB, O’Bryant HS, Kilgore JL, Haff EE, et al. Effects of different set configurations on barbell velocity and displacement during a clean pull. *J Strength Cond Res.* 2003;17(1):95–103

Tufano JJ, Brown LE, Haff GG. Theoretical and practical aspects of different cluster set structures: a systematic review. *J Strength Cond Res.* 2017;31(3):848–67.

Verkhoshansky Y, Siff M. *Supertraining*, 6th Edition Expanded Version. Self published; 2009. pp. 396.

Fagerli B. Myo-reps in English – Borge Fagerli. Published February 22, 2023. Accessed March 28, 2023. <https://borgefagerli.com/myo-reps-in-english/>

Prestes J, A Tibana R, de Araujo Sousa E, et al. Strength and Muscular Adaptations After 6 Weeks of Rest-Pause vs. Traditional Multiple-Sets Resistance Training in Trained Subjects. *J Strength Cond Res.* 2019;33 Suppl 1:S113-S121. doi:10.1519/JSC.0000000000001923

Realzola RA, Mang ZA, Millender DJ, et al. Metabolic Profile of Reciprocal Supersets in Young, Recreationally Active Women and Men. *J Strength Cond Res.* 2022;36(10):2709-2716.
doi:10.1519/JSC.0000000000003920

Schoenfeld, Brad; Grgic, Jozo. Can Drop Set Training Enhance Muscle Growth?. *Strength and Conditioning Journal* 40(6):p 95-98, December 2018.

Cormier P, Freitas TT, Rubio-Arias JÁ, Alcaraz PE. Complex and Contrast Training: Does Strength and Power Training Sequence Affect Performance-Based Adaptations in Team Sports? A Systematic Review and Meta-analysis. *J Strength Cond Res.* 2020;34(5):1461-1479.
doi:10.1519/JSC.0000000000003493