

## Régénération avec le lait dans le sport Une brève revue

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### Bibliographie

1. Schenk P: Die Verpflegung von 4700 Wettkämpfern aus 42 Nationen im Olympischen Dorf während der XI. Olympischen Spiele zu Berlin. *M m W* 1936; 38: 1535–1539.
2. Organisationskomitee für die XI. Olympiade Berlin, ed. *The XITH Olympic Games Berlin, 1936 Official Report - Volume I*. Berlin: Wilhelm Limpert-Verlag 1936.
3. Rankin P, Lawlor MJ, Hills FA et al.: The effect of milk on recovery from repeat-sprint cycling in female team-sport athletes. *Appl Physiol Nutr Metab* 2018; 43: 113–122.
4. Wojcik JR, Walber-Rankin J, Smith LL et al.: Comparison of carbohydrate and milk-based beverages on muscle damage and glycogen following exercise. *Int J Sport Nutr Exerc Metab* 2001; 11: 406–419.
5. Rankin JW, Goldman LP, Puglisi MJ et al.: Effect of post-exercise supplement consumption on adaptations to resistance training. *J Am Coll Nutr* 2004; 23: 322–330.
6. Elliot TA, Cree MG, Sanford AP et al.: Milk ingestion stimulates net muscle protein synthesis following resistance exercise. *Med Sci Sports Exerc* 2006; 38: 667–674.
7. Karp JR, Johnston JD, Tecklenburg S et al.: Chocolate milk as a post-exercise recovery aid. *Int J Sport Nutr Exerc Metab* 2006; 16: 78–91.
8. Hartman JW, Tang JE, Wilkinson SB et al.: Consumption of fat-free fluid milk after resistance exercise promotes greater lean mass accretion than does consumption of soy or carbohydrate in young, novice, male weightlifters. *Am J Clin Nutr* 2007; 86: 373–381.
9. Shirreffs SM, Watson P, Maughan RJ: Milk as an effective post-exercise rehydration drink. *Br J Nutr* 2007; 98: 173–180.
10. Cockburn E, Hayes PR, French DN et al.: Acute milk-based protein-CHO supplementation attenuates exercise-induced muscle damage. *Appl Physiol Nutr Metab* 2008; 33: 775–783.
11. Wilkinson SB, Tarnopolsky MA, MacDonald MJ et al.: Consumption of fluid skim milk promotes greater muscle protein accretion after resistance exercise than does consumption of an isonitrogenous and isoenergetic soy-protein beverage. *Am J Clin Nutr* 2007; 85: 1031–1040.
12. Lee JKW, Maughan RJ, Shirreffs SM et al.: Effects of milk ingestion on prolonged exercise capacity in young, healthy men. *Nutrition* 2008; 24: 340–347.
13. Watson P, Love TD, Maughan RJ et al.: A comparison of the effects of milk and a carbohydrate-electrolyte drink on the restoration of fluid balance and exercise capacity in a hot, humid environment. *Eur J Appl Physiol* 2008; 104: 633–642.
14. Pritchett K, Bishop P, Pritchett R et al.: Acute effects of chocolate milk and a commercial recovery beverage on postexercise recovery indices and endurance cycling performance. *Appl Physiol Nutr Metab* 2009; 34: 1017–1022.



15. Thomas K, Morris P, Stevenson E: Improved endurance capacity following chocolate milk consumption compared with 2 commercially available sport drinks. *Appl Physiol Nutr Metab* 2009; 34: 78–82.
16. Gilson SF, Saunders MJ, Moran CW et al.: Effects of chocolate milk consumption on markers of muscle recovery following soccer training: a randomized cross-over study. *J Int Soc Sports Nutr* 2010; 7: 19.
17. Josse AR, Tang JE, Tarnopolsky MA et al.: Body composition and strength changes in women with milk and resistance exercise. *Med Sci Sports Exerc* 2010; 42: 1122–1130.
18. Ferguson-Stegall L, McCleave E, Ding Z et al.: Aerobic exercise training adaptations are increased by postexercise carbohydrate-protein supplementation. *J Nutr Metab* 2011; 2011: 623182.
19. Ferguson-Stegall L, McCleave EL, Ding Z et al.: Postexercise carbohydrate-protein supplementation improves subsequent exercise performance and intracellular signaling for protein synthesis. *J Strength Cond Res* 2011; 25: 1210–1224.
20. Spaccarotella KJ, Andzel WD: The effects of low fat chocolate milk on postexercise recovery in collegiate athletes. *J Strength Cond Res* 2011; 25: 3456–3460.
21. Cockburn E, Robson-Ansley P, Hayes PR et al.: Effect of volume of milk consumed on the
22. Lunn WR, Pasiakos SM, Colletto MR et al.: Chocolate milk & endurance exercise recovery: Protein balance, glycogen & performance. *Med Sci Sports Exerc* 2012; 44: 682–691.
23. Cockburn E, Bell PG, Stevenson E: Effect of milk on team sport performance following exercise-induced muscle damage. *Med Sci Sports Exerc* 2013; 45: 1585–1592.
24. Desbrow B, Jansen S, Barrett A et al.: Comparing the rehydration potential of different milk-based drinks to a carbohydrate-electrolyte beverage. *Appl Physiol Nutr Metab* 2014; 39: 1366–1372.
25. Sudsa-Ard K, Kijboonchoo K, Chavasit V et al.: Lactose-free milk prolonged endurance capacity in lactose intolerant Asian males. *J Int Soc Sports Nutr* 2014; 11: 49.
26. Papacosta E, Nassis GP, Gleeson M: Effects of acute postexercise chocolate milk consumption during intensive judo training on the recovery of salivary hormones, salivary SIgA, mood state, muscle soreness, and judo-related performance. *Appl. Physiol. Nutr. Metab.* 2015; 40: 1116–1122.
27. Potter J, Fuller B: The effectiveness of chocolate milk as a post-climbing recovery aid. *J Sports Med Phys Fitness* 2015; 55: 1438–1444.
28. Rankin P, Stevenson E, Cockburn E: The effect of milk on the attenuation of exercise-induced muscle damage in males and females. *Eur J Appl Physiol* 2015; 115: 1245–1261.
29. Seery S, Jakeman P: A metered intake of milk following exercise and thermal dehydration restores whole-body net fluid balance better than a carbohydrate-electrolyte solution or water in healthy young men. *Br J Nutr* 2016; 116: 1013–1021.
30. Upshaw AU, Wong TS, Bandegan A et al.: Cycling time trial performance 4 h following glycogen-lowering exercise is enhanced similarly with recovery non-dairy chocolate beverages vs chocolate milk. *Int J Sport Nutr Exerc Metab* 2016; 26: 65–70.
31. Rankin P, Landy A, Stevenson E et al.: Milk: An effective recovery drink for female athletes. *Nutrients* 2018; 10.

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