

EXTENDED RESEARCH PROFILE

MINAHAN Clare (nee: Weber)

Updated 16/03/2010

1. Journal publications
2. External grants
3. Research higher degree and honors supervision

JOURNAL PUBLICATIONS

1. Loveless, D., **Minahan, C.** (2010). Two reliable protocols for assessing maximal-paddling performance in surfboard riders. *Journal of Sports Sciences* (In press).
2. Loveless, D., **Minahan, C.** (2010). Peak aerobic power and paddling efficiency in recreational and competitive junior male surfers. *European Journal of Sports Science* (In press).
3. Simmonds, M., **Minahan, C.**, Sabapathy, S. (2010). Caffeine improves supramaximal cycling but not the rate of anaerobic energy release. *European Journal of Applied Physiology* (In press).
4. Montgomery, P., Pyne, D., and **Minahan, C.** (2010). Quantification of game and training demands of basketball. *International Journal of Sports Physiology and Performance*. (In press).
5. Stroud, N., and **Minahan, C.** (2009). The impact of regular physical activity on fatigue, depression and quality of life in persons with multiple sclerosis. *Health and Quality of Life Outcomes*. 20: 68.
6. Stroud, N., **Minahan C.**, and Sabapathy, S. (2009). The perceived benefits and barriers to exercise participation in persons with multiple sclerosis. *Disability and Rehabilitation*. 31: 2216-2222.
7. Desbrow, B., Barrett, C., **Minahan, C.**, Grant, G., and Leveritt, M. (2009). Caffeine, cycling performance & exogenous CHO oxidation: a dose-response study. *Medicine and Science in Sports and Exercise*. 41: 1744-1751.
8. Montgomery, P., Green, D., Etxebarria, N., Pyne, D., Saunders, P., and **Minahan, C.** (2009). Validation of heart rate monitor-based predictions of oxygen uptake and energy expenditure. *Journal of Strength Condition Research*. 23: 1489-1495.
9. Montgomery, P., Pyne, D., Hopkins, W., Dorman, J., Cook, K., and **Minahan, C.** (2008). The effect of recovery strategies on physical performance and cumulative fatigue in competitive basketball. *Journal of Sports Science*. 26: 1135-1145.
10. Montgomery, P., Pyne, D., Cox, G., Hopkins, W., **Minahan, C.**, and Hunt, P. (2008). Muscle damage, inflammation and recovery interventions during a 3-day basketball tournament. *European Journal of Sport Science*. 8: 241-250.

11. Montgomery, P., Pyne, D., Hopkins, W., and **Minahan, C.** (2008). Seasonal progression and variability of repeat-effort line-drill performance in elite junior basketball players. *Journal of Sports Science* 26: 543-550.
12. **Minahan, C.**, and Wood, C. (2008). Strength training improves supramaximal cycling but not anaerobic capacity. *European Journal of Applied Physiology*. 102: 659-666.
13. **Minahan, C.**, Chia, M., and Inbar, O. (2007). Does power indicate capacity? Wingate vs O₂ deficit. *International Journal of Sports Medicine*. 28: 836-843.
14. Desbrow, B., **Minahan, C.**, and Leveritt, M. (2007). Drink-flavour change's lack of effect on endurance cycling performance in trained athletes. *International Journal of Sports Nutrition and Exercise Metabolism*. 17: 315-327.
15. Schneider, D., Berwick, J., Sabapathy, S., and **Minahan, C.** (2007). DOMS does not alter O₂ uptake kinetics during heavy-intensity cycling in humans. *International Journal of Sports Medicine*. 28: 550-556.
16. **Weber, C.**, Chia, M., and Inbar, O. (2006). Gender differences in anaerobic power of the arms and legs – a scaling issue. *Medicine and Science in Sports and Exercise* 38: 129-137.
17. Loveless, D., **Weber, C.**, Haseler, L., and Schneider, D. (2005). Maximal leg-strength training improves cycling economy in previously untrained men. *Medicine and Science in Sports and Exercise* 37: 1231-1236.
18. Barclay, C., and **Weber, C.** (2004). Slow skeletal muscles of the mouse have greater initial efficiency than fast muscles but the same net efficiency. *Journal of Physiology*. 559: 517-531.
19. Keogh, J., **Weber, C.**, and Dalton, C. (2003). Modification and evaluation of anthropometric, physiological and skill-related tests in female field hockey. *Canadian Journal of Applied Physiology*. 28: 397-409.
20. Keogh, J., and **Weber, C.** (2003). The relationship between anthropometry and components of physical fitness in female field hockey players of varying age and standard. *Kinanthropometry* 7. p 77.
21. **Weber, C.**, and Schneider, D. (2002). Increases in maximal accumulated oxygen deficit following high-intensity interval training are not gender dependent. *Journal of Applied Physiology*. 92: 1795–1801.
22. **Weber, C.**, and Schneider, D. (2001). Reliability of MAOD measured at 110% and 120% of peak oxygen uptake for cycling. *Medicine and Science in Sports and Exercise*. 33: 1056-1059.
23. **Weber, C.**, and Schneider, D. (2000). MAOD expressed relative to the active muscle mass for cycling in untrained male and female subjects. *European Journal of Applied Physiology*. 82: 255-261.

EXTERNAL GRANTS

- Minahan, C.**, Joyce, S., Anderson, M., and Osborne, M. (2008). Sodium Bicarbonate: acute-, and chronic-loading in Highly Trained Swimmers. *Centre of Excellence, Queensland Academy of Sport*. Research grants. \$21,309.
- Minahan, C.**, Anderson, M., and Osborne, M. (2008). Sodium Bicarbonate: A Comparison of Acute and Chronic Loading in Highly Trained Swimmers. *Swimming Australia*. Sports science/sports medicine program research grants. \$5000.
- Gass, G., **Minahan, C.**, Morris, N., Haseler, L., and Morton, H. (2006-09). Exercise: An examination of dose-response. *National Health & Medical Research Council*. Project grant. \$668,875.
- Minahan, C.** (2005-07). A physiological characterization of elite surfers. *Surfing Australia*. Research scholarship. \$60,070.
- Minahan, C.** (2006-08). Quality of life in multiple sclerosis patients following exercise. *Multiple Sclerosis Australia*. Research scholarship. \$30,000.

RESEARCH HIGHER DEGREE AND HONORS SUPERVISION (primary supervision)

Doctor of Philosophy

B. Desbrow, <i>Griff</i>	AWARDED	2008
D. Loveless, <i>Griff</i>	AWARDED	2009
P. Montgomery, <i>Griff, AIS</i>	SUBMITTED	2009
N. Stroud, <i>Griff</i>	CANDIDATE	cont.
M. Haycock, <i>Griff</i>	CANDIDATE	cont.
M. Simmonds, <i>Griff</i>	CANDIDATE	cont.
S. Joyce, <i>Griff</i>	CANDIDATE	cont.

Master of Philosophy

N. Sikkema, <i>Vrije Universiteit</i>	AWARDED	2005
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Bachelor of Exercise Science (Honors)

M. Simmonds, <i>Griff</i>	AWARDED	2006	(1C, APA)
S. Joyce, <i>Griff</i>	AWARDED	2008	(1C, APA)

Bachelor of Physiotherapy(Honors)/ Bachelor of Exercise Science

C. Wood, <i>Griff</i>	AWARDED	2005	(1C)
S. Bathersby, <i>Griff</i>	AWARDED	2007	(1C)