

## RESEARCH SUMMARY

### Metabolism and Body Composition Laboratory Department of Kinesiology University of Georgia 2007

#### Student Theses and Dissertations

1. Johnson, S. Excess weight and the motor performance of female college athletes. M.A. Thesis, 1978.
2. Evans, B. Effect of physical conditioning on lactic acid removal rate. Ed.D. Dissertation, 1979.
3. Sparling, P. Biologic determinants of the sex difference in distance running performance among trained runners. Ed.D. Dissertation, 1979.
4. Weiss, L. Effect of heavy resistance weight lifting on serum testosterone and androstenedione. Ed.D. Dissertation, 1979.
5. Kong, U. Effect of active and passive recovery practices on subsequent work performance. Ed.D. Dissertation, 1980.
6. Purvis, J. Effect of physical conditioning on ratings of perceived exertion at anaerobic threshold. Ed.D. Dissertation, 1980.
7. Zwiren, L. Comparison of central circulatory responses to exercise in trained men and women. Ed.D. Dissertation, 1981.
8. Martucci, D. Effect of caffeine ingestion on fuel utilization and endurance of trained and untrained men. M.A. Thesis, 1981.
9. Dowdy, D. Effects of aerobic dance on physical work capacity, cardiovascular function, and body composition of women. Ed.D. Dissertation, 1982.
10. Hutchinson, P. Relationship of echocardiographically-determined measures of heart size to maximal oxygen uptake and fat-free weight in men and women. Ed.D. Dissertation, 1982.
11. Bishop, P.A. Biological determinants of the sex difference in muscular strength. Ed.D. Dissertation, 1983.
12. Wilson, G. Effect of glycogen depletion and glycogen loading on anaerobic threshold and distance running performance. M.A. Thesis, 1984.
13. DeMello, J. Ratings of perceived exertion at the anaerobic threshold in highly-trained and untrained men and women. Ed.D. Dissertation, 1984.
14. Boineau, R. B-Endorphin responses to submaximal and maximal exercise in trained and untrained men and women. M.A. Thesis, 1984.
15. Ray, C. 2,3-DPG response to submaximal and maximal exercise in highly-trained and untrained men and women. M.A. Thesis, 1985.
16. Collins, M. Plasma volume, metabolic, and cardiorespiratory responses to various intensities of weight lifting. Ed.D. Dissertation, 1985.
17. Vickery, S. Effect of race and musculoskeletal development on prediction of body density in young males. Ph.D. Dissertation, 1986.
18. Hill, D. Temporal specificity of training. Ph.D. Dissertation, 1986.
19. Smith, T. Gender differences in plasma volume and central circulatory responses to prolonged exercise. Ph.D. Dissertation, 1986.
20. Farris, T. Metabolic, cardiorespiratory and perceptual responses to a simulated triathlon. M.A. Thesis, 1986.

21. Millard, M. Effect of a glucose polymer dietary supplement on exercise performance and substrate utilization in triathletes. Ph.D. Dissertation, 1986.
22. Gremillion, M. Cross-validation of equations for predicting body density from skinfolds on elderly women. M.A. Thesis, 1986.
23. Prusaczyk, K. Effect of diet manipulation on ratings of perceived exertion at the lactate and ventilatory thresholds. Ph.D. Dissertation, 1987.
24. Ray, C. Cardiovascular adaptations to supine and upright exercise training. Ph.D. Dissertation, 1989.
25. Conley, D. Validation of the 12-minute swim as a test of maximal aerobic power. Ed.D. Dissertation, 1989.
26. McCormack, B. Validation of fitnessgram mile run/walk criterion-referenced standards. M.A. Thesis, 1989.
27. Warren, G. Role of diffusion limitation in exercise-induced hypoxemia in endurance athletes? Ph.D. Dissertation, 1989.
28. Dengel, D. Effect of dehydration on ratings of perceived exertion at the lactate and ventilatory thresholds. Ph.D. Dissertation, 1990.
29. Black, D. Validation of the AAHPERD and fitnessgram mile run/walk criterion referenced standards in youth 13 to 17 years of age. M.A. Thesis, 1990.
30. Hinson, B. Markers of muscle damage following prolonged swimming, cycling, and running and a triathlon competition. M.A. Thesis, 1991.
31. Weyand, P. Maximal oxygen deficit as a predictor of sprint and middle-distance track performance. Ph.D. Dissertation, 1992.
32. O'Bannon, P. Validation of the fitnessgram mile run/walk criterion-referenced standards in men and women 18 to 25 years of age. M.A. Thesis, 1992.
33. Sloniger, M. Relation of anaerobic capacity and anaerobic energy utilized on one-mile run/walk performance in young men and women. M.A. Thesis, 1992.
34. Carrasco, D. Anaerobic capacity and performance of cyclists: Effect of dietary carbohydrate manipulation. M.A. Thesis, 1993.
35. Higbie, B. Effects of concentric and eccentric heavy-resistance training on quadriceps muscle cross-sectional area, neural activation and strength in women. Ph.D. Dissertation, 1994.
36. Modlesky, C. Estimates of body composition using the four-component model in athletes with extremes of musculoskeletal development. M.A. Thesis, 1995.
37. Sloniger, M. Anaerobic capacity and muscle activation during horizontal and uphill running. Ph.D. Dissertation, 1996.
38. Prior, B. Density of the fat-free mass and estimates of body composition using a four-component model in athletes. Ph.D. Dissertation, 1996.
39. Thompson, R. Effects of environmental temperature on anaerobic metabolism during submaximal exercise. M.A. Thesis, 1997.
40. Evans, E. Effect of diet and exercise on body composition assessed using a four-component model. Ph.D. Dissertation, 1998.
41. Saunders, M. Effects of muscle activation on the slow-component rise in oxygen uptake. Ph.D. Dissertation, 1998.
42. Arngrimsson, S. Validation of estimates of body composition in male and female distance runners using a four-component model. M.A. Thesis, 1998.

43. Brown, A. Effects of dietary creatine supplementation on body composition assessed using a four-component model. M.A. Thesis, 1999.
44. Skinner, K. A.. Effect of three days of acute resistance exercise on insulin and glucose responses in older men and women. M. A. Thesis, 2001.
45. Arngrimsson, S. A. Core temperature and maximal oxygen uptake during exercise in the heat: Implication for exercise prescription. Ph.D. Dissertation., 2001.
46. Stewart, D. J. Effects of aerobic and resistance exercise on postprandial lipemia. Ph.D. Dissertation, 2002.
47. Lafrenz, A. Effect of cardiovascular drift on maximal oxygen uptake at two ambient temperatures. M.S. Thesis, 2004.
48. Hines, L. J. Effect of cardiovascular drift on maximal oxygen uptake during walking and cycling. M.S. Thesis, 2004.
49. Ganio, M. S. Cardiovascular drift attenuates the decline in  $\text{VO}_{2\text{max}}$  associated with cardiovascular drift. M.S. Thesis, 2004.
50. Thomas, M. K. Validation of the polar S410 heart rate monitor for estimating energy expenditure in women. M. S. Thesis, 2005.
51. Wingo, J. E. Cardiovascular drift and maximal oxygen uptake during heat stress. Ph.D. Dissertation, 2006.