

Associate Professor Mark Hecimovich

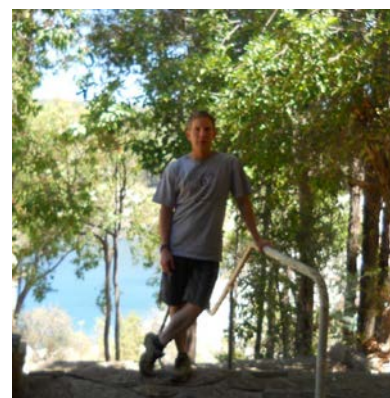
MSc MN State, PhD Murdoch, ATC

Research specialisation: Head impact and neurological assessment, injury assessment and rehabilitation

Experience: 15 years providing care to athletes. 1996, 2004 Olympic Games, 2004 USA Olympic Training Center, 1995, 1999 All-Africa Games. Academic since 2005 with research supervision in a variety of areas. Recently focussed on concussion impact, neuro assessment in Australian football and collegiate wrestling.

Research overview: Focus on concussion recognition, and physical assessment with the view to recognise injury potential. Has worked closely with Doug King, PhD, on Australia football using sensor impact data and neurological assessment.

Postgraduate supervision: PhD and Masters in several areas, most notably exercise interventions for the elderly, muscle activation patterns in bowlers and exercise interventions for youth gymnasts.



Research publications:

1. Muller S, Gurisik Y, Hecimovich M, Harbaugh G, Vallence AM. (2017) Individual Differences in Short-Term Anticipation Training for High-Speed Interceptive Skill. *Journal of Motor Learning and Development*. (Accepted 29 Sept 2016, but not yet published).
2. King D, Hecimovich M, Clark T Gissane C. (2017). Measurement of the head impacts in a sub-elite Australian Rules football team with an instrumented patch: An exploratory analysis. *International Journal of Sports Science and Coaching* (Accepted 25 July 2016, but not yet published).
3. Hecimovich M, King D, Garrett T. Measurement of the head impacts in Division I Collegiate wrestling: An exploratory analysis. *International Journal of Wrestling Science*. (Accepted but not yet published)
4. Hecimovich M, King D. (2016). Prevalence of head injury and medically diagnosed concussion in junior-level community-based Australian Rules Football. *Journal of Paediatrics and Child Health*. DOI:[10.1111/jpc.13405](https://doi.org/10.1111/jpc.13405)
5. Hecimovich M, Hebert JJ. (2016). Reliability and concurrent validity of an alternate method of lateral lumbar range of motion in athletes. *South African Journal of Sports Medicine*. DOI: <http://dx.doi.org/10.17159/2078-516X/2016/v28i1a1414>.
6. Hecimovich M, King D, Marais I. (2016). Player and parent concussion knowledge and awareness in youth Australian Rules Football. *The Sport Journal*.
7. Forrest M, Hecimovich M, Dempsey A. (2016). Lumbopelvic muscle activation patterns in adolescent fast bowlers. *European Journal of Sport Science*. DOI:10.1080/17461391.2015.1135985.
8. Hecimovich M, Stomski N. (2016). Lumbar sagittal plane spinal curvature and junior-level cricket players. *International Journal of Athletic Therapy & Training*, 21:47-52 <http://dx.doi.org/10.1123/ijatt.2015-0028>.
9. Hecimovich M, Peiffer J, Harbough G. (2014). Development and psychometric evaluation of a post exercise exhaustion scale utilising the Rasch measurement model. *Psychology of Sport & Exercise*, 15 (6), 569-579.
10. Shahtahmasebi B, Hebert J, Stomski N, Hecimovich M, Fairchild T. (2014). The Effect of Exercise Training on Lower Trunk Muscle Morphology. *Sports Medicine*. Oct;44(10):1439-58. doi: 10.1007/s40279-014-0213-7



Mark Hecimovich, PhD, ATC
 Associate Professor in Athletic Training
 Division of Athletic Training
 University of Northern Iowa
 003C Human Performance Center
 Cedar Falls, Iowa, USA 50614
M: 00 +1 319 230 4819
E: mark.hecimovich@uni.edu