

Dr Doug King

PhD, PhD, MHealSc(credit),
PGDipSportsMed(credit), PGCertHealSc(Resus),
PGCertHSc(SportsMed), BNurs, DipNsg.



Research specialisation: Sports injury epidemiology; Head impact biomechanics; Sports-related concussion.

Experience: Registered Comprehensive Nurse with 25 yrs experience in medical, surgical, orthopaedics, mental health, Emergency and now Clinical Nurse Specialist in Minor injuries. Retired serviceman from the Royal New Zealand Navy (1977-1987) and Royal New Zealand Nursing Corps (1995-2000). Awarded NZOSM, NZGSM(IO) and NZDSM(R) Medals. Recipient of Te Amorangi National Māori Academy Excellence Award, PhD New Investigator Award – AUT University and PhD Faculty of Health and Environmental Sciences Award for translation of thesis to publication

Research overview: Focus on researching injuries in sports by investigating injury mechanisms at the amateur level of participation to identify possible injury reduction strategies, sports-related concussion assessment and management through to rehabilitation focusing on transferability of the research to non-sporting environments focusing on intimate partner violence and non-accidental injury. I am a co-leader of the SPRINZ Rugby Codes Research Group, an Honorary Research fellow at the Applied Sports, Technology, Exercise and Medicine (A-STEM) Research Centre, College of Engineering at Swansea University and a Research Associate of the Sports Performance Research Institute of New Zealand (SPRINZ, AUT University).

Postgraduate supervision: Currently supervising two PhD students with topics of post sporting health and head impact and neck strength of female rugby union players.

Research publications: 51 peer reviewed publications, 29 conference presentations and 1 book. Editorial board member of the *Journal of Sport Medicine and Physical Fitness*. Example publications:

- King, D.** Book Review: RESTQ: The Recovery-Stress Questionnaires User Manual. *NZ J Sports Med*, (2017). **43**(2): 64
- King, D.,** Clark, T., Kellmann, M. & Hume, P. Stress and recovery changes of injured and non-injured amateur representative rugby league players over a competition season. *NZ J Sports Med*, (2017). **43**(2); 57-63
- Hecimovich, M & **King, D.** Prevalence of suspected and medically diagnosed concussion in junior-level community-based Australian Rules Football. *J Paediatr Child Health*. (2016) doi: 10.1111/jpc.13405
- King, D.,** Hecimovich, M., Clark, T. & Gissane. Measurement of the head impacts in a sub-elite Australian Rules football team with an instrumented patch: An exploratory analysis. *Intl J Sports Sci Coach*, (2017). **12**(3); in print.
- King, D.,** Hume, P., Gissane, C. & Clark, T. Head impacts in a junior rugby league team measured with a wireless head impact sensor: An exploratory analysis. *J Neurosurg: Pediatr*, (2016). doi: 10.3171/2016.7.PEDS1684
- King, D.,** Hume, P., Gissane, C. and Clark, T. Concussion in rugby league: A pooled analysis. *Sports Med*, 2017. **47**(2):197-205
- King, D.,** & Hume, P., Gissane, C., & Clark, T. Similar head impact acceleration measured using instrumented ear patches in a junior rugby union team during matches in comparison with other sports. *J Neurosurg Pediatr*, 2016. **18**(1):65-72
- King, D.,** Hume, P., Gissane, C., Brughelli, M., & Clark, T. The influence of head impact threshold for reporting data in contact and collision sports: Systematic review and original data analysis. *Sports Med*, 2016. **46**(2): 151-169
- King, D.,** Gissane, C., Hume, P.A., & Flaws, M. The King-Devick test was useful in management of concussion in amateur rugby union and rugby league in New Zealand. *J Neurol Sci*, 2015. **351**(1-2): 58-64



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