



Editorial

Attitudes, beliefs and knowledge related to doping in football players



In the first of this month's feature articles, Morente-Sánchez, Zandonai and Díaz suggest a significant lack of knowledge regarding doping rules and associated high levels of supplement use in footballers ranging from under-18 to elite players. In the second feature article, Rodrigues and co-workers derive normative values for the Motor Competence Assessment from a sample of over 2000 participants ranging from 3 to 23 years of age, and the final feature article, from Keohane's group, outlines the changes to the gut microbiome seen in ultra-endurance oceanic rowing.

The first of the sports medicine section articles this month Kosik's team describe decreased dynamic balance and dorsiflexion range of motion in young and middle-aged adults with chronic ankle instability. Schwab and co-workers outline mechanisms of traumatic injury to the shoulder girdle in Australian Football League players. Nealon and colleagues suggest that MRI findings may indicate time to return to play in first class cricket fast bowlers with side strain in Australia and England.

In the first of the sports injury articles for the month, Hauschild's group describe a model using injury-associated causal energy categories to report the distribution of injuries in an active population. Dutton, Tam and Gray outline the incidence and impact of time loss and non-time-loss shoulder injury in elite South African cricketers. Using a retrospective data analysis approach, Nyland, Sinclair Hitchens and Copley question whether riders who wear an air jacket in equestrian eventing have reduced injury risk in falls? In the last of the sports injury articles for the month, Perera and colleagues continue the cricket questions looking at the incidence, prevalence, nature, severity and mechanisms of injury in elite female cricketers.

O'Brien-Smith's group lead of the physical activity section with a cross over to high performance sport describing a systematic review of the use of the Körperkoordinationstest für Kinder in the talent pathway in youth athletes. Schmitz and co-workers outline normative data for the Yo-Yo Intermittent Recovery Level 1 and Yo-Yo Intermittent Endurance Level 1 test values of boys aged 9–16 years.

In the sports science section, Ihalainen, Hackney and Taipale report the effect of hormonal contraceptive use in women on changes in inflammation markers after a 10-week high-intensity combined strength and endurance training block. Kittela, Larkina, Elsworth and Spittle outline a model for using 360° virtual reality as a decision-making assessment tool in sport. Vernillo, Doucende, Cassirame and Mourot, describe how energetically optimal stride frequency is maintained with fatigue in trained ultramarathon runners. In the final article in the sports science section this month, Sayers characterizes the research the influence of bowling velocity on movement variability in experienced older aged lawn bowlers.

The September 2019 issue continues to explore a broad range of areas of interest to both clinicians and researchers in the sport sciences and exercise medicine fields.

Gordon S. Waddington
Editor in Chief