

Please cite the Published Version

Read, D ^(D), Weakley, J, Fullagar, H, Ramirez-Lopez, C, Jones, B, Cummins, C and Sampson, J (2019) Giving 'live' GPS feedback to athletes: Does it alter locomotor performance during small-sided games? In: The 9th World Congress of Science in Football (WCSF), 04 June 2019 - 07 June 2019, Melbourne, VIC, Australia.

Downloaded from: https://e-space.mmu.ac.uk/625796/

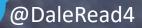
Usage rights: O In Copyright

Enquiries:

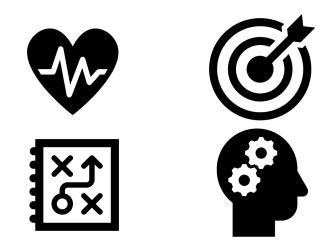
If you have questions about this document, contact openresearch@mmu.ac.uk. Please include the URL of the record in e-space. If you believe that your, or a third party's rights have been compromised through this document please see our Take Down policy (available from https://www.mmu.ac.uk/library/using-the-library/policies-and-guidelines)

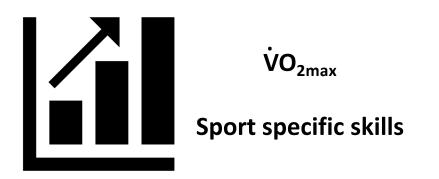
Giving 'live' GPS feedback to athletes: Does it alter locomotor performance during small-sided games?

Dale Read¹, Jonathon Weakley², Hugh Fullagar³, Carlos Ramirez-Lopez¹, Ben Jones¹, Cloe Cummins⁴ & John Sampson⁵ ¹Leeds Beckett University ²Australian Catholic University ³University Technology Sydney ⁴University of New England ⁵University of Wollongong

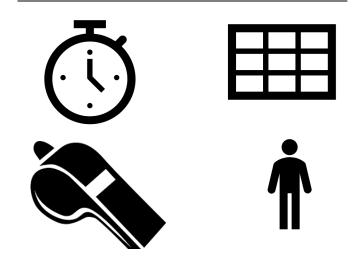


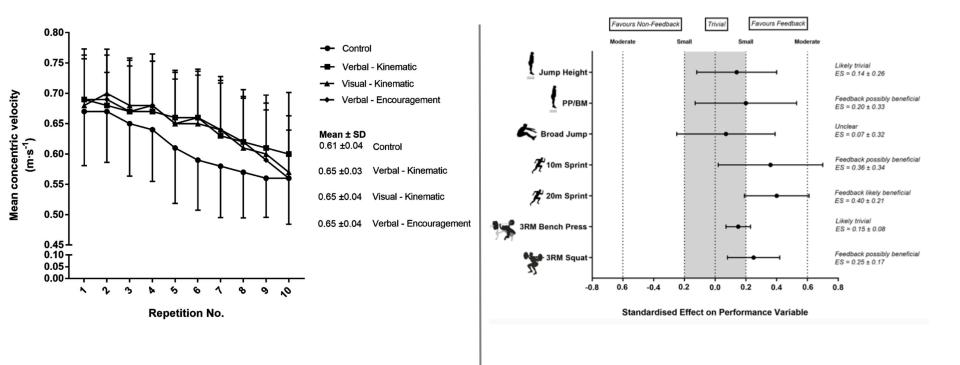




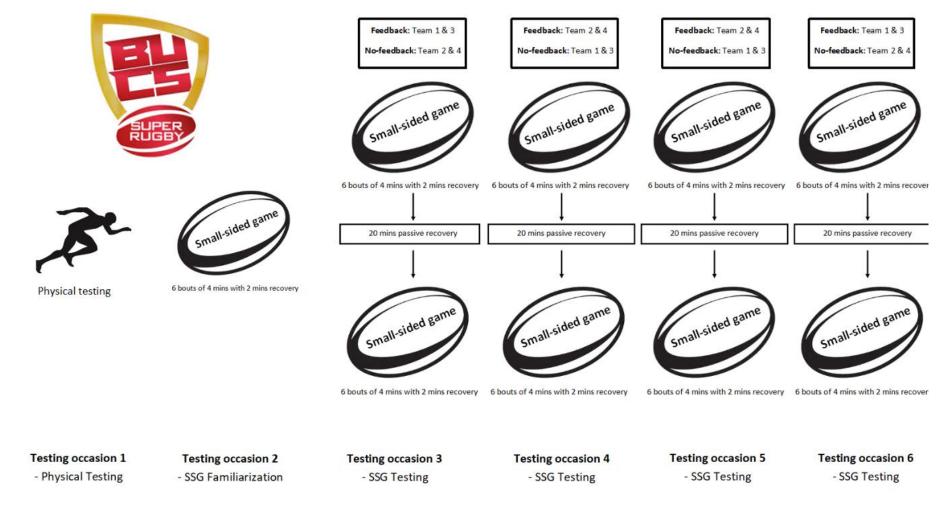


Moran et al., SpMed. 2019:49(5):731-742. Hammami et al., JSMPF. 2018:58(10):1446-1455.





This study aimed to investigate if providing 'live' GPS feedback to players in between bouts of SSGs altered locomotor performance.



Sampson et al., JSS. 2015:33(1):85-98.

- 20 m width x 40 m length
- Same referee, same rules
- Off-side touch (6 plays)
- Same sport scientist providing the feedback
- Verbal feedback on the distance (m) each member covered in the preceding 4 minute bout in a descending order
- Opposition did not receive or hear feedback

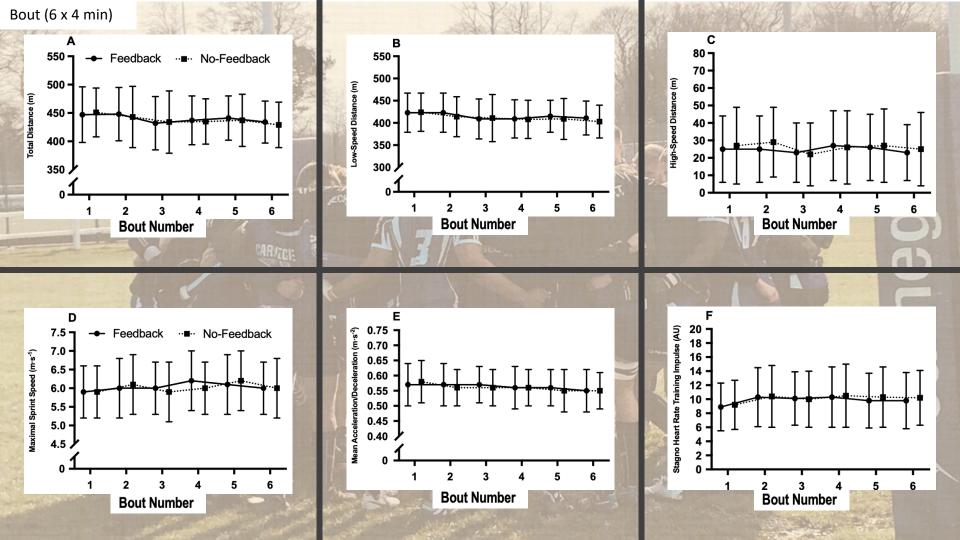


- Linear mixed model
- SPSS (v24)
- 3 analyses
 - SSG (24 min)
 - Bout (6 x 4 min)
 - First minute
- Fixed = feedback or no-feedback
- Random = participant code
- Effect sizes, 90% CI, MBI

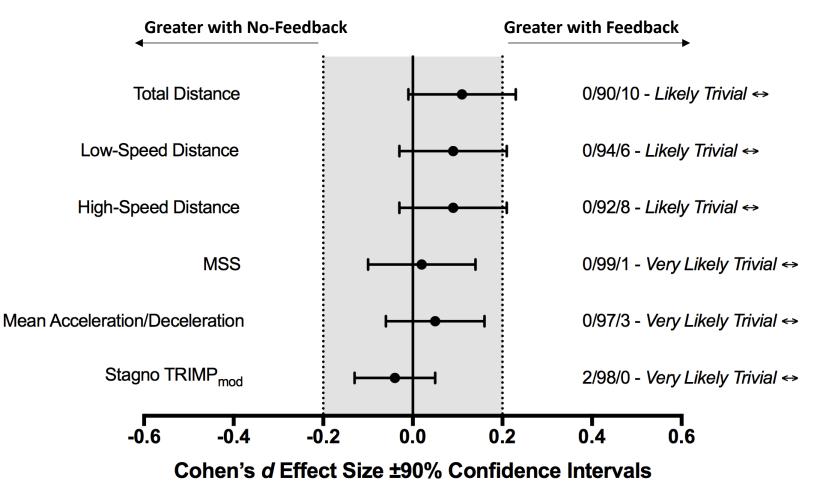
SSG (24 min)

\leftrightarrow
\leftrightarrow
>
\leftrightarrow
\leftrightarrow
\leftrightarrow
*

NB: Bout 1 is excluded from all analyses as feedback was first provided after bout 1



First minute



Discussion

- Did providing GPS feedback alter locomotor performance?
- Feedback did not alter subsequent locomotor performance
- The assessment of 'performance' was not related to the task goal (winning the SSG)
- Frequency and type of feedback provided
- Future research: other forms of feedback, bout durations, football codes, playing levels or training modalities

Practical Applications

ading rne ie St

MEN'S RU,

As feedback did not cause substantial changes in locomotor, physiological, or perceptual responses. It is advised that live GPS is continued to be used as a tool in monitoring training loads and providing feedback for informed decision making rather than as a method that might enhance acute training performance in SSGs

Conclusion

In this study, verbal feedback of distance covered provided in between bouts of small-sided games did not alter subsequent locomotor performance in rugby players.

Dr. Dale Read | Visiting Fellow – Leeds Beckett University | d.read@leedsbeckett.ac.uk

