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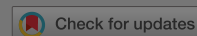
Articles

The ability of CNS vital signs to detect coached sandbagging performance during concussion baseline testing: a randomized control trial

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how to sandbag without detection. All participants rated their effort after completing on a Visual Analog Scale (0–100 mm).

Results: Built in invalidity indicators successfully identified 68.0% of sandbaggers, while only 12% in the control group presented with invalid scores. Participants in the sandbagging group on average reported significantly lower effort (sandbag: 51.0 ± 21.0 , control: 86.0 ± 12.0 , $p < .001$)

Conclusions: Built-in CNS Vital Signs validity indicators have an overall high accuracy in identifying those attempting to purposefully sandbag and are comparable to other computerized neurocognitive tests. Given that 32% of intentional sandbaggers went undetected, clinicians should consider additional safeguards to detect these individuals at baseline.

KEYWORDS:

- Psychometric
- mild-traumatic brain injury
- neurocognitive testing

Declaration of interest

The author

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