Supplemental material

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Br J Sports Med

Appendix. CHAMP: CHecklist for statistical Assessment of Medical Papers

0	and conduct			
1.	Clear description of the goal of research, study objective(s), study design, and study population	Yes	Unclear	No
2.	Clear description of outcomes, exposures/treatments and covariates, and their measurement methods	Yes	Unclear	No
3.	Validity of study design	Yes	Unclear	No
4.	Clear statement and justification of sample size	Yes	Unclear	N
5.	Clear declaration of design violations and acceptability of the design violations	Yes	Unclear	Ne
6.	Consistency between the paper and its previously published protocol	Yes	Unclear	Ne
ata a	nalysis			
7.	Correct and complete description of statistical methods	Yes	Unclear	N
8.	Valid statistical methods used and assumptions outlined	Yes	Unclear	Ν
9.	Appropriate assessment of treatment effect or interaction between treatment and another covariate	Yes	Unclear	N
10.	Correct use of correlation and associational statistical testing	Yes	Unclear	N
11.		Yes	Unclear	N
12.	Confidence intervals do not include impossible values	Yes	Unclear	N
13.	Appropriate comparison of baseline characteristics between the study arms in randomized	Yes	Thestern	N
	trials		Unclear	IN
14.	5	Yes	Unclear	Ν
15.		Yes	Unclear	Ν
16.	Adequate handling of missing data	Yes	Unclear	N
eporti	ng and presentation			
17.	Adequate and correct description of the data	Yes	Unclear	N
18.	Descriptive results provided as occurrence measures with confidence intervals, and analytic results provided as association measures and confidence intervals along with P-values	Yes	Unclear	N
19.		Yes	Unclear	N
20.	Avoiding selective reporting of analyses and P-hacking	Yes	Unclear	N
21.	Appropriate and consistent numerical precisions for effect sizes, test statistics, and P-values, and reporting the P-values rather their range	Yes	Unclear	N
22.	8 1 5	Yes	Unclear	Ν
23.		Yes	Unclear	N
	etation			
24.	Interpreting the results based on association measures and 95% confidence intervals along with P-values, and correctly interpreting large P-values as indecisive results, not evidence of absence of an effect	Yes	Unclear	N
25.	Using confidence intervals rather than post-hoc power analysis for interpreting the results of studies	Yes	Unclear	N
26.		Yes	Unclear	Ν
20.		Yes	Unclear	N
	Results of pre-specified analyses are distinguished from the results of exploratory analyses in	Yes	Unclear	N
	the interpretation	v	TT 1	
29.		Yes	Unclear	N
30.	Drawing only conclusions supported by the statistical analysis and no generalization of the results to subjects outside the target population	Yes	Unclear	Ν

Mansournia MA, et al. Br J Sports Med 2021; 55:1-2. doi: 10.1136/bjsports-2020-103651