**Corrigendum to Cognitive fatigue effects on physical performance: a systematic review and meta-analysis**

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Following publication of the article entitled “Cognitive fatigue effects on physical performance: a systematic review and meta-analysis” [1], it came to our attention that when calculating variance in effect sizes, we had inadvertently used a formula designed for independent samples while our study only examined within subject designs. Consequently we have re-analysed the data using an equation for paired samples [2], Vd = [1/n + (d2/2n)]\*[2(1-r)], where Vd is variance in the effect size as measured by Cohen’s d, n is the number of pairs and r is the estimated correlation between pairs. We estimated r as being 0.85 based on literature examining the test re-test reliability coefficients between performances on tests similar to those used in the studies examined [3-6]. The pooled effect size as measured by Hedges’ g and the 95% confidence intervals (CI) of g (g = -0.25, SE = 0.06, CI -0.37 to -0.13, p < .001) only differ marginally from those presented in the article (g = -0.27, SE = 0.12, CI -0.- 0.49 to -0.04, p < .05) The re-analysed measures of heterogeneity (Q(10) = 10.45, p > .10, T2 <.01, I2 = .04) also do not differ much from those presented in the article (Q(10) = 2.78, p > .10. T2 < .01, I2 < .01).

The authors apologize for this mistake but the re-analysis does not affect the scientific discussion and conclusions of the article in any way.

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