



# Correction to: DNA Damage Following Acute Aerobic Exercise: A Systematic Review and Meta-analysis

Despoina V. Tryfidou<sup>1</sup> · Conor McClean<sup>1</sup> · Michalis G. Nikolaidis<sup>2</sup> · Gareth W. Davison<sup>1</sup>

Published online: 1 October 2019  
© The Author(s) 2019

Correction to: *Sports Medicine*  
<https://doi.org/10.1007/s40279-019-01181-y>

Page 17, Fig. 2: The following figure, which previously read:

Study	Method	n	SMD (Hedges' g)	p-Value	RW(%)
Bloomer et al. (2006) [59]		17	1.266	0.001	10.89
Inoue et al. (1993), swimmers [56]		9	-0.702	0.130	10.24
Inoue et al. (1993), runners [56]		9	0.788	0.092	10.22
Itoh et al. (2006) [60]		8	-1.268	0.015	9.81
Meihua et al. (2018) [58]		10	1.596	0.001	10.00
Revan (2011) [61]		14	-0.971	0.013	10.76
Saritas et al. (2011) [63]		22	0.189	0.524	11.32
Sato et al. (2003), active [64]		7	-0.299	0.553	9.96
Sato et al. (2003), sedentary [64]		8	-1.431	0.008	9.72
Shi et al. (2007) [57]		5	3.114	0.001	7.08
Subtotal	8-OHdG	109	0.150	0.684	100
Davison et al. (2005) [65]		7	1.480	0.010	4.34
Fogarty et al. (2011),100% [67]		12	1.524	0.001	4.87
Fogarty et al. (2011),70% [67]		12	1.395	0.002	4.91
Fogarty et al. (2011),40% [67]		12	0.000	1.000	5.12
Fogarty et al. (2013) [66]		10	2.569	0.000	4.27
Hartmann et al. (1994) [70]		3	1.814	0.030	3.28
Hartmann et al. (1998) [69]		6	0.748	0.177	4.42
Kim et al. (2018), olympic c [79]		11	0.596	0.156	5.01
Kim et al. (2018), O2 c [79]		11	-0.978	0.025	4.94
Liu et al. (2015) [38]		8	1.637	0.003	4.43
Mastaloudis et al. (2004), m [51]		5	0.056	0.922	4.35
Mastaloudis et al. (2004), f [51]		5	-0.399	0.490	4.32
Møller et al. (2001) [34]		9	0.317	0.483	4.87
Paik et al. (2009) [72]		10	2.373	0.000	4.36
Peters et al. (2006) [73]		5	0.583	0.320	4.29
Ryu et al. (2016), 10km [40]		10	2.537	0.000	4.28
Ryu et al. (2016), 21km [40]		10	2.768	0.000	4.17
Ryu et al. (2016), 42km [40]		10	2.172	0.000	4.45
Tanimura et al. (2008) [74]		14	0.801	0.036	5.16
Tsai et al. (2001) [75]		14	0.212	0.565	5.22
Turner et al. (2011) [76]		9	1.451	0.004	4.62
Williamson et al. (2018) [80]		10	2.482	0.000	4.31
Subtotal	Comet	203	1.140	0.000	100
Overall		312	0.875	0.000	

Heterogeneity:  $\text{Chi}^2 = 5.25$ ,  $\text{df} = 31$  ( $P = 0.02$ );  $I^2 = 82.12\%$   
Test for overall effect:  $Z$  score = 4.58 ( $P = 0.001$ )

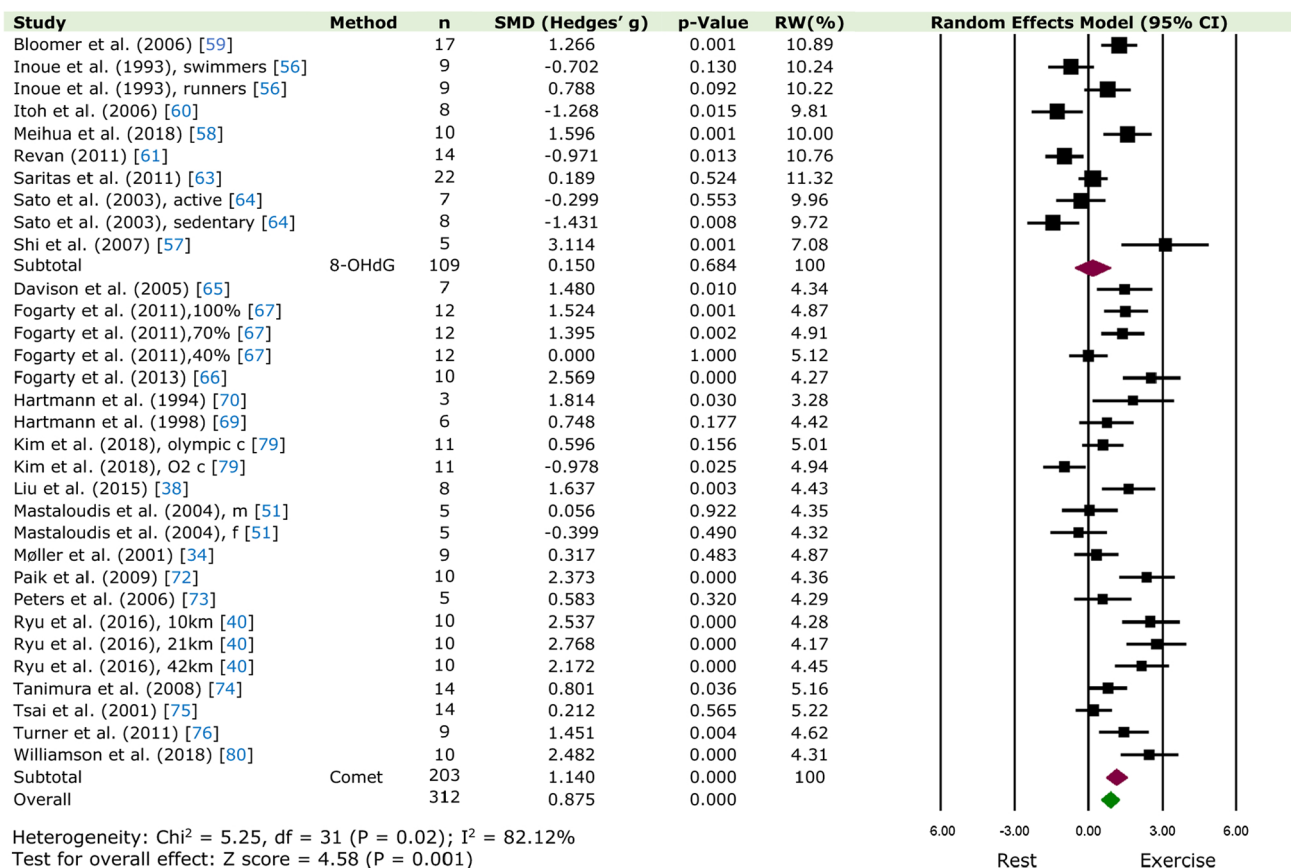
The original article can be found online at <https://doi.org/10.1007/s40279-019-01181-y>.

✉ Gareth W. Davison  
gw.davison@ulster.ac.uk

<sup>1</sup> Sport and Exercise Sciences Research Institute, Ulster University, Shore Road, Newtownabbey, Northern Ireland, UK

<sup>2</sup> Department of Physical Education and Sports Science at Serres, Aristotle University of Thessaloniki, Serres, Greece

should read:



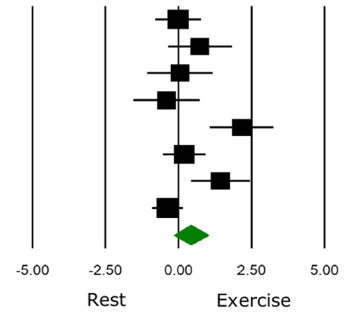
Page 18, Fig. 3: The following figure, which previously read:

Study	Method	n	SMD (Hedges' g)	p-Value	RW(%)	Random Effects Model (95% CI)
<b>a</b> Bloomer et al. (2006) [59]		17	1.266	0.001	39.24	
Sacheck et al. (2003), young [62]		8	0.090	0.849	30.85	
Sacheck et al. (2003), old [62]		8	0.649	0.182	29.91	
Subtotal	8-OHdG	33	0.718	0.044	100	
Fogarty et al. (2011),100% [67]		12	1.524	0.001	16.03	
Fogarty et al. (2011),70% [67]		12	1.395	0.002	16.22	
Paik et al. (2009) [72]		10	2.373	0.000	13.59	
Peters et al. (2006) [73]		5	0.583	0.320	13.27	
Tanimura et al. (2008) [74]		14	0.801	0.036	17.54	
Tanimura et al. (2010), untrained [54]		8	1.380	0.009	14.34	
Tanimura et al. (2010), trained [54]		8	4.019	0.000	9.00	
Subtotal	Comet	69	1.571	0.000	100	
Overall		102	1.179	0.000		

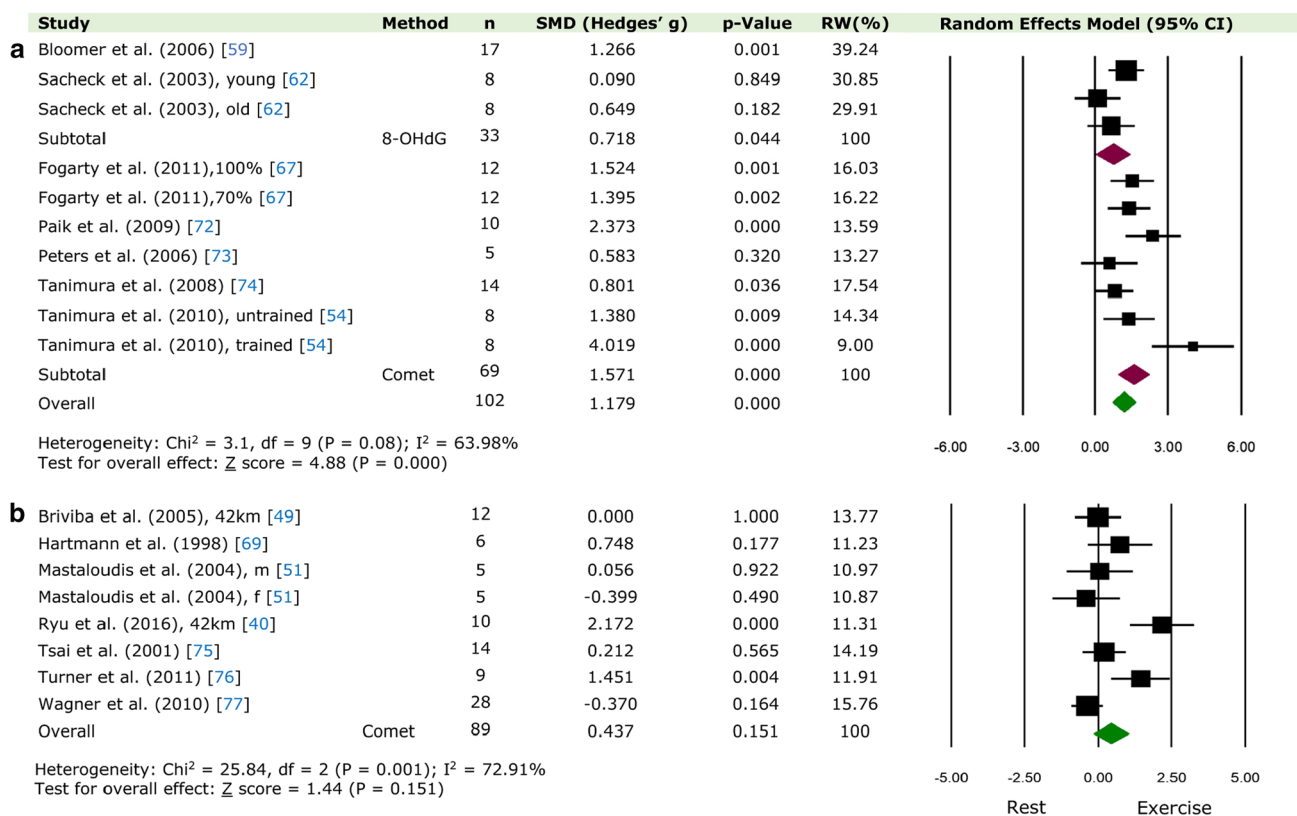
Heterogeneity:  $\chi^2 = 3.1$ ,  $df = 9$  ( $P = 0.08$ );  $I^2 = 63.98\%$   
 Test for overall effect:  $Z$  score = 4.88 ( $P = 0.000$ )

<b>b</b> Briviba et al. (2005), 42km [49]		12	0.000	1.000	13.77
Hartmann et al. (1998) [69]		6	0.748	0.177	11.23
Mastaloudis et al. (2004), m [51]		5	0.056	0.922	10.97
Mastaloudis et al. (2004), f [51]		5	-0.399	0.490	10.87
Ryu et al. (2016), 42km [40]		10	2.172	0.000	11.31
Tsai et al. (2001) [75]		14	0.212	0.565	14.19
Turner et al. (2011) [76]		9	1.451	0.004	11.91
Wagner et al. (2010) [77]		28	-0.370	0.164	15.76
Overall	Comet	89	0.437	0.151	100

Heterogeneity:  $\chi^2 = 25.84$ ,  $df = 2$  ( $P = 0.001$ );  $I^2 = 72.91\%$   
 Test for overall effect:  $Z$  score = 1.44 ( $P = 0.151$ )



should read:



The original article has been corrected.

**Open Access** This article is distributed under the terms of the Creative Commons Attribution 4.0 International License (<http://creativecommons.org/licenses/by/4.0/>), which permits unrestricted use, distribution, and reproduction in any medium, provided you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons license, and indicate if changes were made.