

**ERRATUM**

**Open Access**

# Erratum: the National Institutes of Health and guidance for reporting preclinical research

David Moher<sup>1,2\*</sup>, Marc Avey<sup>1</sup>, Gerd Antes<sup>3</sup> and Douglas G Altman<sup>4</sup>

## Abstract

This is an Erratum to *BMC Medicine* 2015, 13:34, highlighting a corrected references list. Please see related article: <http://www.biomedcentral.com/1741-7015/13/34>

## Erratum

### Authors' corrected note

Two days after the publication of our paper [1], a reader brought to our attention some problems with our references. The erratum corrects the reference list.

### Corrected text

Reference [4] before, "thus helping to ensure..." should be - 5. Moher D, Schulz KF, Simera I, Altman DG. Guidance for Developers of Health Research Reporting Guidelines. *PLoS Med.* 2010;7(2): e1000217.

References [5-7] should be - 6. Turner L, Shamseer L, Altman DG, Weeks L, Peters J, Kober T, Diaz S, Schulz KF, Plint AC, Moher D. Consolidated standards of reporting trials (CONSORT) and the completeness of reporting of randomized controlled trials (RCTs) published in medical journals. *Cochrane Database Syst Rev.* 2012;11: MR000030.

7. Smidt N, Rutjes AW, van der Windt DA, Ostelo RW, Bossuyt PM, Reitsma JB, Bouter LM, de Vet HC. The quality of diagnostic accuracy studies since the STARD statement: has it improved? *Neurology.* 2006;67:792-7.

8. Tunis AS, McInnes MD, Hanna R, Esmail K. Association of study quality with completeness of reporting: have completeness of reporting and quality of systematic reviews and meta-analyses in major radiology journals changed since publication of the PRISMA statement? *Radiology.* 2013;269:413-26.

Reference [8] should be - 9. Bravo E, Calzolari A, De Castro P, Mabile L, Napolitani F, Rossi AM, Cambon-Thomsen A. Developing a guideline to standardize the citation of bioresources in journal article (CoBRA). *BMC Medicine* 2015.

References [9-10] should be - 10. Moher D, Shamseer L, Clarke M, Ghersi D, Liberati A, Petticrew M, Shekelle P, Stewart LA. Preferred reporting items for systematic review and meta-analysis protocols (PRISMA-P) 2015 statement. *Syst Rev.* 2015;4:1.

11. Collins GS, Reitsma JB, Altman DG, Moons KG. Transparent reporting of a multivariable prediction model for individual prognosis or diagnosis (TRIPOD): The TRIPOD statement. *Ann Intern Med.* 2015;162(1):55-63.

Reference [11] should be - 12. <http://www.nih.gov/about/reporting-preclinical-research.htm>.

Reference [12] should be - 13. Nature editorial. Announcement: Reducing our irreproducibility. *Nature* 496, 398.

Reference [13] should be - 14. <http://www.nih.gov/about/endorsing-journals.htm>.

References [14-17] should be - 15. Hooijmans CR, Leenaars M, Ritskes-Hoitinga M. A gold standard publication checklist to improve the quality of animal studies, to fully integrate the Three Rs, and to make systematic reviews more feasible. *Altern Lab Anim.* 2010;38:167-82.

16. Institute for Laboratory Animal Research. Guidance for the Description of Animal Research in Scientific Publications. 1-31 (The National Academies Press, Washington DC, 2011).

17. Landis SC, Amara SG, Asadullah K, Austin CP, Blumenstein R, Bradley EW, Crystal RG, Darnell RB, Ferrante RJ, Fillit H, Finkelstein R, Fisher M, Gendelman HE, Golub RM, Goudreau JL, Gross RA, Gubitza AK, Hesterlee SE, Howells DW, Huguenard J, Kelner K,

\* Correspondence: [dmoher@ohri.ca](mailto:dmoher@ohri.ca)

<sup>1</sup>Clinical Epidemiology Program, Ottawa Hospital Research Institute, Ottawa, Canada

<sup>2</sup>Department of Epidemiology and Community Medicine, University of Ottawa, Ottawa, Canada

Full list of author information is available at the end of the article

Koroshetz W, Krainc D, Lazic SE, Levine MS, Macleod MR, McCall JM, Moxley RT 3rd, Narasimhan K, Noble LJ, et al. A call for transparent reporting to optimize the predictive value of preclinical research. *Nature*. 2012;490,187–91.

18. *Nature*. Reporting Checklist For Life Sciences Articles [Internet]. 2013. <http://www.nature.com/authors/policies/checklist.pdf> Last accessed on: 01-15-2015.

Reference [18] should be - 19. Kilkenny C, Browne WJ, Cuthill IC, Emerson M, Altman DG. The ARRIVE guidelines Animal Research: Reporting In Vivo Experiments. *PLoS Biol*. 2010. 8, e1000412.

Reference [19] should be - 20. <http://www.nc3rs.org.uk/>.

Reference [20] should be - 21. Baker D, Lidster K, Sottomayor A, Amor S. Two years later: journals are not yet enforcing the ARRIVE guidelines on reporting standards for pre-clinical animal studies. *PLoS Biol* 2013;11:e1001756.

Reference [21] should be - 22. Collins FS, Tabak LA. NIH plans to enhance reproducibility. *Nature* 2014;505:612–613.

Reference [22] should be - 23. <https://www.nc3rs.org.uk/arrive-animal-research-reporting-vivo-experiments>.

Reference [23] should be - 24. Hoffmann TC, Glasziou PP, Boutron I, Milne R, Perera R, Moher D, Altman DG, Barbour V, Macdonald H, Johnston M, Lamb SE, Dixon-Woods M, McCulloch P, Wyatt JC, Chan AW, Michie S. Better reporting of interventions: template for intervention description and replication (TIDieR) checklist and guide. *BMJ*. 2014 Mar 7;348:g1687.

Reference [24] should be - 25. Stevens A, Shamseer L, Weinstein E, Yazdi F, Turner L, Thielman J, Altman DG, Hirst A, Hoey J, Palepu A, Schulz KF, Moher D. Relation of completeness of reporting of health research to journals' endorsement of reporting guidelines: systematic review. *BMJ*. 2014 Jun 25;348:g3804.

Reference [25] should be - 26. Cobo E, Cortés J, Ribera JM, Cardellach F, Selva-O'Callaghan A, Kostov B, García L, Cirugeda L, Altman DG, González JA, Sánchez JA, Miras F, Urrutia A, Fonollosa V, Rey-Joly C, Vilardell M. Effect of using reporting guidelines during peer review on quality of final manuscripts submitted to a biomedical journal: masked randomised trial. *BMJ*. 2011 Nov 22;343:d6783.

Reference [26] should be - 27. Hirst A, Altman DG: Are peer reviewers encouraged to use reporting guidelines? A survey of 116 health research journals. *PLoS ONE* 2012, 7(4):e35621.

Reference [27,28] should be - 28. Michie S, Johnston M. Theories and techniques of behaviour change: Developing a cumulative science of behaviour change. *Health Psychol Rev*. 2012;6(1):1–6.

29. French SD, Green SE, O'Connor DA, McKenzie JE, Francis JJ, Michie S, Buchbinder R, Schanttner P, Spike N, Grimshaw JM. Developing theory-informed behaviour

change interventions to implement evidence into practice: a systematic approach using the Theoretical Domains Framework. *Implement Sci*. 2012;7:38.

Reference [29] should be - 30. <http://www.equator-network.org/library/>.

Reference [30] should be - 31. <http://www.equator-network.org/2014/11/25/the-first-equator-reporting-guideline-development-meeting-18-20-november-2014-oxford/>.

#### Author details

<sup>1</sup>Clinical Epidemiology Program, Ottawa Hospital Research Institute, Ottawa, Canada. <sup>2</sup>Department of Epidemiology and Community Medicine, University of Ottawa, Ottawa, Canada. <sup>3</sup>German Cochrane Centre, University Medical Center, Freiburg, Germany. <sup>4</sup>Centre for Statistics in Medicine, University of Oxford, Oxford, UK.

Received: 11 March 2015 Accepted: 11 March 2015

Published online: 10 April 2015

#### Reference

1. Moher D, Avey M, Antes G, Altman D. The National Institutes of Health and guidance for reporting preclinical research. *BMC Med*. 2015;13:34.

**Submit your next manuscript to BioMed Central and take full advantage of:**

- Convenient online submission
- Thorough peer review
- No space constraints or color figure charges
- Immediate publication on acceptance
- Inclusion in PubMed, CAS, Scopus and Google Scholar
- Research which is freely available for redistribution

Submit your manuscript at  
[www.biomedcentral.com/submit](http://www.biomedcentral.com/submit)

