



# Corrigendum: Urinary Luteinizing Hormone Tests: Which Concentration Threshold Best Predicts Ovulation?

Rene Antonio Leiva<sup>1\*</sup>, Thomas Paul Bouchard<sup>2</sup>, Saman Hasan Abdullah<sup>3,4,5,6</sup> and René Ecochard<sup>3,4,5,6</sup>

<sup>1</sup> Bruyère Research Institute and C. T. Lamont Primary Health Care Research Centre, Department of Family Medicine, University of Ottawa, Ottawa, ON, Canada, <sup>2</sup> Department of Family Medicine, University of Calgary, Calgary, AB, Canada, <sup>3</sup> Service de Biostatistique, Hospices Civils de Lyon, Lyon, France, <sup>4</sup> Université de Lyon, Lyon, France, <sup>5</sup> Université Lyon 1, Lyon, France, <sup>6</sup> Équipe Biostatistique-Santé, Laboratoire de Biométrie et Biologie Évolutive, Centre National de la Recherche Scientifique, Unité Mixte de Recherche 5558, Villeurbanne, France

## OPEN ACCESS

### Edited and reviewed by:

Rafael T. Mikolajczyk,  
Martin Luther University of  
Halle-Wittenberg, Germany

### \*Correspondence:

Rene Antonio Leiva  
rene.leiva@mail.mcgill.ca

### Specialty section:

This article was submitted to  
Population, Reproductive and Sexual  
Health,  
a section of the journal  
Frontiers in Public Health

**Received:** 31 October 2018

**Accepted:** 07 November 2018

**Published:** 30 November 2018

### Citation:

Leiva RA, Bouchard TP, Abdullah SH  
and Ecochard R (2018) Corrigendum:  
Urinary Luteinizing Hormone Tests:  
Which Concentration Threshold Best  
Predicts Ovulation?  
Front. Public Health 6:345.  
doi: 10.3389/fpubh.2018.00345

**Keywords:** ovulation predictor kits, luteinizing hormone, natural family planning, fertility awareness methods, infertility, urine, ovulation, fertile window

## A Corrigendum on

**Urinary Luteinizing Hormone Tests: Which Concentration Threshold Best Predicts Ovulation?**  
by Leiva, R. A., Bouchard, T. P., Abdullah, S. H., and Ecochard, R. (2017) *Front. Public Health* 5:320.  
doi: 10.3389/fpubh.2017.00320

In the original article, there was a mistake in **Table 3** “The sensitivity (Se), specificity (Sp), positive predictive value (PPV), confidence intervals (CI), negative predictive value (NPV), likelihood ratios +’ve (LR+) and likelihood ratios –’ve (LR-) for predicting ovulation within 24 h at 15, 20, 25, 30, 35, and 40 mIU/ml thresholds on the 11th day of the cycle”. Upon review of the tables prior to a journal club, it was noted that there were some numerical values that had been inadvertently misplaced under the wrong columns when updating different previously edited tables. The corrected **Table 3** appears below.

The authors apologize for this error and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

**Conflict of Interest Statement:** The authors declare that the research was conducted in the absence of any commercial or financial relationships that could be construed as a potential conflict of interest.

Copyright © 2018 Leiva, Bouchard, Abdullah and Ecochard. This is an open-access article distributed under the terms of the Creative Commons Attribution License (CC BY). The use, distribution or reproduction in other forums is permitted, provided the original author(s) and the copyright owner(s) are credited and that the original publication in this journal is cited, in accordance with accepted academic practice. No use, distribution or reproduction is permitted which does not comply with these terms.

**TABLE 3 |** The sensitivity (Se), specificity (Sp), positive predictive value (PPV), confidence intervals (CI), negative predictive value (NPV), likelihood ratios + 've (LR+) and likelihood ratios - 've (LR-) for predicting ovulation within 24 h at 15, 20, 25, 30, 35, and 40 mIU/ml thresholds on the 11th day of the cycle.

Threshold (mIU/ml)	Sn (CI)	Sp (CI)	PPV	NPV	LR+	LR-
40	0.23 (0.08–0.50)	0.99 (0.97–1.00)	0.23	0.99	20.62	0.78
35	0.31 (0.13–0.58)	0.99 (0.97–1.00)	0.31	0.99	27.49	0.97
30	0.46 (0.23–0.71)	0.99 (0.96–0.99)	0.60	0.97	30.92	0.55
25	0.54 (0.29–0.77)	0.97 (0.95–0.99)	0.50	0.98	20.62	0.47
20	0.54 (0.29–0.77)	0.96 (0.93–0.98)	0.41	0.98	14.43	0.48
15	0.54 (0.29–0.77)	0.94 (0.91–0.98)	0.32	0.98	9.62	0.49