



## Corrigendum

## Corrigendum to “Association of lifetime exposure to fluoride and cognitive functions in Chinese children: A pilot study” [Neurotoxicol Teratol 47 (2015) 96–101]



Anna L. Choi<sup>a,\*</sup>, Ying Zhang<sup>b</sup>, Guifan Sun<sup>c</sup>, David C. Bellinger<sup>a,d</sup>, Kanglin Wang<sup>e</sup>, Xiao Jing Yang<sup>f</sup>, Jin Shu Li<sup>f</sup>, Quanmei Zheng<sup>c</sup>, Yuanli Fu<sup>g</sup>, Philippe Grandjean<sup>a,h</sup>

<sup>a</sup> Department of Environmental Health, Harvard School of Public Health, Boston, MA, USA

<sup>b</sup> School of Stomatology, China Medical University, Shenyang, China

<sup>c</sup> School of Public Health, China Medical University, Shenyang, China

<sup>d</sup> Neurology, Children's Hospital, Boston, USA

<sup>e</sup> Mianning Center for Disease Control and Prevention, Xichang, Sichuan, China

<sup>f</sup> Sichuan Center for Disease Control and Prevention, Chengdu, Sichuan, China

<sup>g</sup> Center for Disease Control and Prevention, Xichang, Liangshan Prefecture, Sichuan, China

<sup>h</sup> Institute of Public Health, University of Southern Denmark, Odense, Denmark

Regarding our recent publication, “Association of lifetime exposure to fluoride and cognitive functions in Chinese children: A pilot study” [Neurotoxicology and Teratology 47 (2015) 96–101], the authors wish to correct the following errors in the reported results.

The last statement reported in 3. Results should be “Marginal significant mean differences in forward and total digit span scores were found between children with very mild/mild fluorosis and children with moderate/severe fluorosis.”

In addition, the footnote c in Table 5 should be “<sup>c</sup>Significant mean difference between the 2 categories: very mild/mild and moderate/severe at  $0.05 < p < 0.10$ .”

**Table 5**

Adjusted means<sup>a</sup> (95% confidence intervals) of the neuropsychological tests by Dean Index among the 51 children.

Tests	Normal/questionable N = 8	Fluorosis <sup>b</sup> Very mild/mild N = 9	Moderate/severe N = 26
<b>WRAML</b>			
Finger windows	9.29 (6.65, 11.9)	10.2 (7.53, 12.9)	9.76 (7.44, 12.1)
Visual learning total (Trials 1–4)	10.5 (5.55, 15.4)	11.5 (6.49, 16.6)	11.2 (6.86, 15.5)
Visual learning delay	3.40 (1.15, 5.65)	3.90 (1.60, 6.20)	4.0 (2.02, 6.0)
Visual learning difference (Trials 1–4 delay)	−0.23 (−1.80, 1.35)	−1.64 (−3.25, −0.03) <sup>c</sup>	−0.13 (−1.51, 1.25) <sup>c</sup>
Design memory	16.5 (10.9, 22.0)	19.5 (13.9, 25.2)	20.2 (15.4, 25.1)
<b>WISC-R</b>			
Squareroot block design	2.22 (1.17, 3.27)	2.81 (1.74, 3.88)	2.54 (1.62, 3.46)
Digit span			
Forward	9.38 (7.75, 11.0)	8.76 (7.09, 10.4) <sup>c</sup>	7.24 (5.81, 8.67) <sup>c</sup>
Backward	3.20 (1.88, 4.51) <sup>d**</sup>	1.86 (0.51, 3.20)	1.07 (−0.08, 2.22) <sup>d**</sup>
Total	12.6 (10.1, 15.0) <sup>d**</sup>	10.6 (8.11, 13.1) <sup>c</sup>	8.31 (6.15, 10.5) <sup>c**d**</sup>
<b>WRAMA drawing</b>	12.1 (9.98, 14.2)	14.1 (11.9, 16.2)	13.3 (11.5, 15.1)
<b>Finger tapping</b>			
Preferred hand	29.5 (25.3, 33.6)	29.5 (25.3, 33.8)	28.7 (25.0, 32.3)
Non-preferred hand	24.7 (21.3, 28.0)	29.8 (26.4, 33.2)	28.8 (25.8, 31.7)
<b>Grooved pegboard</b>			
log10 dominant hand	1.97 (1.90, 2.07)	1.98 (1.89, 2.06)	2.02 (1.95, 2.10)
log10 non-dominant hand	2.06 (2.0, 2.14)	2.04 (1.97, 2.12)	2.06 (1.99, 2.12)

<sup>a</sup> Adjusted for child's sex, age, parity, illness before 3 years old, household income last year, and caretaker's age and education.

<sup>b</sup> As indicated by the Dean Index.

<sup>c</sup> Significant mean difference between the 2 categories: Very mild/mild and moderate/severe at  $0.05 < p < 0.10$ .

<sup>d\*\*</sup> Significant mean difference between the 2 categories: Normal/questionable and moderate/severe at  $p < 0.05$ .

DOI of original article: <http://dx.doi.org/10.1016/j.ntt.2014.11.001>.

\* Corresponding author at: Department of Environmental Health, Harvard School of Public Health, Landmark Center 3E, 401 Park Dr., Boston, MA 02215, USA. Tel.: +1 617 384 8646; fax: +1 617 384 8994.

E-mail address: [achoi@hsph.harvard.edu](mailto:achoi@hsph.harvard.edu) (A.L. Choi).