

# Erratum: Application of Flipped Classroom Pedagogy to the Human Gross Anatomy Laboratory: Student Preferences and Learning Outcomes

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In the published article ASE.1755, Table 4 contained an error in the values for the pre-flip sub-cohorts of examinations 1, 2 and 3. The corrected Table 4 is now presented below.

The authors explain that in the original construction of the table's  $3 \times 3$  matrix of pre-flip subcohort means over the 3 examinations, the axes were inverted resulting in a shuffling of sub-cohort means. However, all cohort means and statistical analyses were correct. The corrected Table 4 contains the correct examination means for the subcohorts.

Because all interpretation and conclusions were based on cohort means, this correction does not affect the results or conclusions of the paper.

**Table 4.** Performance on Laboratory Examinations Before and After Curriculum Change.

Cohort or sub-cohort	Examination Mean ( $\pm$ SD)
<b>Examination 1 (trunk, upper limb, neck)</b>	
Pre-flip (2011 sub-cohort)	83.75 ( $\pm$ 8.71)
Pre-flip (2012 sub-cohort)	86.54 ( $\pm$ 9.43)
Pre-flip (2013 sub-cohort)	79.85 ( $\pm$ 12.75)
Total Pre-flip (2011–2013 cohorts)	83.38 ( $\pm$ 10.77) <sup>a</sup>
Post-flip (2014 sub-cohort)	86.19 ( $\pm$ 10.10)
Post-flip (2015 sub-cohort)	86.36 ( $\pm$ 10.80)
Post-flip (2016 sub-cohort)	79.06 ( $\pm$ 13.53)
Total Post-flip (2014–2016 cohorts)	83.88 ( $\pm$ 12.02) <sup>a</sup>
<b>Examination 2 (head and neuroanatomy)</b>	
Pre-flip (2011 sub-cohort)	89.36 ( $\pm$ 6.91)
Pre-flip (2012 sub-cohort)	87.38 ( $\pm$ 8.72)
Pre-flip (2013 sub-cohort)	90.06 ( $\pm$ 8.20)
Total Pre-flip (2011–2013 cohorts)	88.93 ( $\pm$ 8.04) <sup>b</sup>
Post-flip (2014 sub-cohort)	86.59 ( $\pm$ 9.30)
Post-flip (2015 sub-cohort)	89.91 ( $\pm$ 9.17)
Post-flip (2016 sub-cohort)	87.59 ( $\pm$ 9.30)
Total Post-flip (2014–2016 cohorts)	88.04 ( $\pm$ 9.32) <sup>b</sup>
<b>Examination 3 (head and neck comprehensive)</b>	
Pre-flip (2011 sub-cohort)	84.13 ( $\pm$ 10.67)
Pre-flip (2012 sub-cohort)	80.83 ( $\pm$ 10.43)
Pre-flip (2013 sub-cohort)	85.96 ( $\pm$ 8.30)
Total Pre-flip (2011–2013 cohorts)	83.64 ( $\pm$ 10.03) <sup>c</sup>
Post-flip (2014 sub-cohort)	88.03 ( $\pm$ 9.26)
Post-flip (2015 sub-cohort)	85.28 ( $\pm$ 9.01)
Post-flip (2016 sub-cohort)	83.22 ( $\pm$ 11.80)
Total Post-flip (2014–2016 cohorts)	85.51 ( $\pm$ 10.25) <sup>c</sup>

Entire pre- and post-flip cohorts were compared by unpaired independent Student's *t*-test. Sub-cohorts from each year in the study were also analyzed to examine variability from year to year; <sup>a</sup>*P*-value (*t*-test) between these values was statistically nonsignificant ( $P = 0.629$ ); <sup>b</sup>*P*-value (*t*-Test) between these values was statistically nonsignificant ( $P = 0.264$ ); <sup>c</sup>*P*-value (*t*-Test) between these values was statistically significant ( $P = 0.043$ )