







doi: 10.1016/j.bjae.2022.11.004

Advance Access Publication Date: 5 December 2022

## Corrigendum to 'Acid—base balance: a review of normal physiology' [BJA Education 22 (2022) 396—401]

## I. Shaw<sup>1,\*</sup> and K. Gregory<sup>2</sup>

<sup>1</sup>Sheffield Teaching Hospitals NHS Trust, Sheffield, UK and <sup>2</sup>University Hospitals of Birmingham NHS Foundation Trust, Birmingham, UK

\*Corresponding author: ian.shaw8@nhs.net

DOI of original article: https://doi.org/10.1016/j.bjae.2022.06.003.

The authors regret that an error was present in the formulation of Henderson Hasselbach equation on page 398. The correct equation appears below:

Taking negative logarithms

 $pH=pKa+log_{10}\ [A-]/[HA]\ (Henderson-Hasselbach\ equation)$  There was also an error in the equation describing the application of the Henderson-Hasselbach equation to the bicarbonate buffer system. The correct equation appears below:

 $pH=pKa+log\,[HCO_3]/[CO_2] \ or \ pH=pKa+log\,[HCO_3]/[\alpha PCO_2]$  where  $\alpha$  is the solubility of  $CO_2$  in blood; using Henry's Law  $[H_2CO_3]=\alpha PCO_2$ 

The authors would like to apologise for any inconvenience caused.