

RETRACTION

Retracted: 'Rutin protects against cognitive deficits and brain damage in rats with chronic cerebral hypoperfusion' by Qu *et al.*

The above article, published online on 17th July 2014 in Wiley Online Library (<http://onlinelibrary.wiley.com/doi/10.1111/bph.12725/full>), has been retracted by agreement between the authors, the journal Editor in Chief, Professor J. McGrath and John Wiley & Sons Limited. The retraction has been agreed owing to duplication of some images. In this paper, a series of adjacent sections from each group were stained using immunohistochemical and histological methods, and the authors obtained a large number of photographs from each group. When selecting representative images from each group, some photographs obtained from differently treated groups were inadvertently mixed up. Incorrect photographs were used in this paper as follows: (1) the photographs shown in Figure 7A and B are overlapping images from the same section; (2) the photographs shown in Figure 10a and c, and in Figure 10b and d are overlapping images from the same tissue slices. In addition, because the authors failed to identify correctly the damaged neurons with Nissl staining, the same neurons that are intact in the sham-operated group are reported to be damaged in the BCCAO group with treatment. Thus, this may have caused the incorrect number of the intact neurons obtained from each group.

Reference

Qu, J., Zhou, Q., Du, Y., Zhang, W., Bai, M., Zhang, Z., Xi, Y., Li, Z. and Miao, J. (2014), Rutin protects against cognitive deficits and brain damage in rats with chronic cerebral hypoperfusion. *Br J Pharmacol* 171: 3702–3715. doi: 10.1111/bph.12725