Int J Clin Exp Pathol 2017;10(10):10696-10697
www.ijcep.com /ISSN:1936-2625/IJCEP0062307

Erratum
Ki20227 influences the morphology of microglia and neurons through inhibition of CSF1R during global ischemia: Int J Clin Exp Pathol. 2016; 9(12): 12459-12469

Boru Hou[1,2*], Furong Ju[1*], Xiumei Guo[2*], Dong Wang[2], Xiaofeng Cheng[1], Akbar khan[1], Shengxiang Zhang[1], Haijun Ren[2]

[1]Gansu Key Laboratory of Biomonitoring and Bioremediation for Environmental Pollution, School of Life Sciences, Lanzhou University, Lanzhou, Gansu, China; [2]Department of Neurosurgery, Lanzhou University Second Hospital, Lanzhou, Gansu, China. [*]Equal contributors and co-first authors.

Received July 26, 2017; Accepted August 29, 2017; Epub October 1, 2017; Published October 15, 2017

In original **Figure 4**, we mistakenly put an image of the apical shaft dendrite in vehicle groups where that of the apical shaft dendrite at the 100-200 μm position in BCAL-vehicle groups should be, and thus the original **Figure 4** on page 12465 should be replaced with Corrected **Figure 4**.

Address correspondence to: Dr. Shengxiang Zhang, Gansu Key Laboratory of Biomonitoring and Bioremediation for Environmental Pollution, School of Life Sciences, Lanzhou University, 222 South Tianshui Road, Lanzhou 730000, Gansu, China. Tel: +86-931-8915607; Fax: +86-931-8915607; E-mail: sxzhang@lzu.edu.cn; Dr. Haijun Ren, Department of Neurosurgery, Lanzhou University Second Hospital, Lanzhou 730000, Gansu, China. Tel: +86 1389-3668727; E-mail: haijunren3@163.com

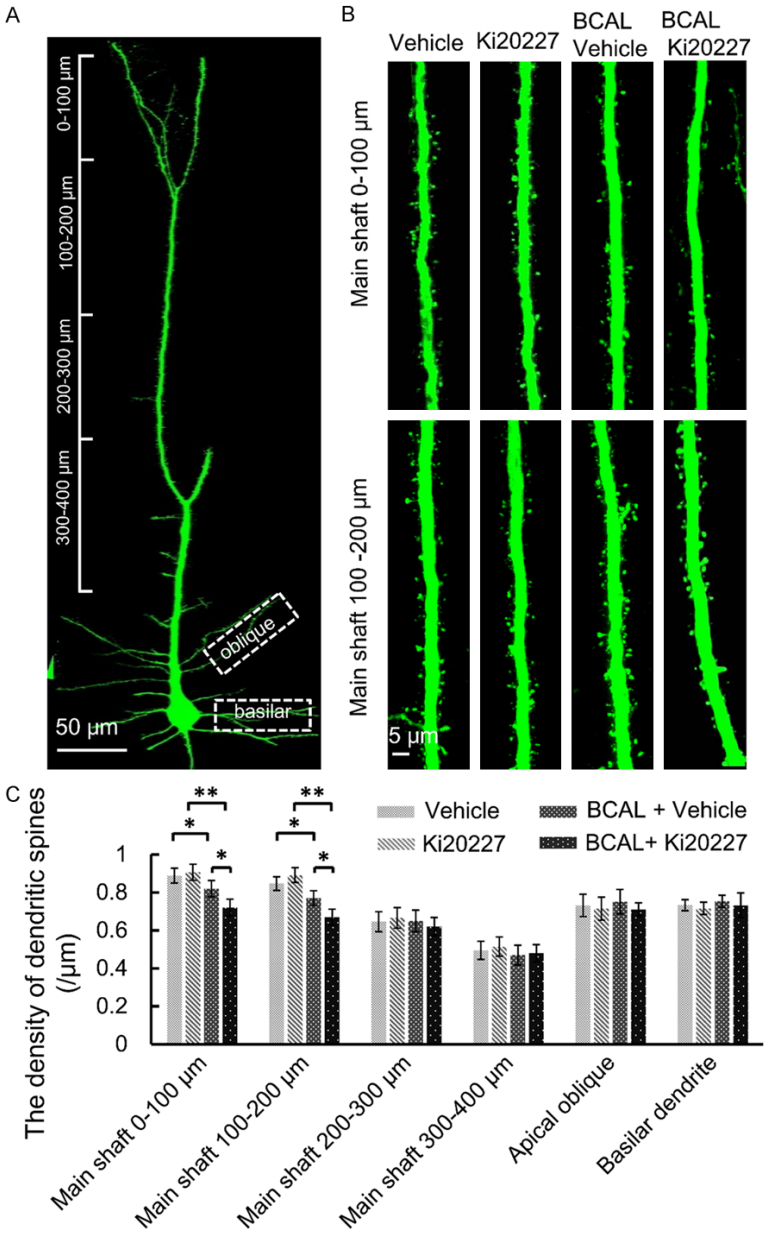

Figure 4. CSF1R inhibition in microglia promoted dendritic spine deficits after global ischemia/reperfusion. A. Confocal representative images of the cortical neuronal structure, containing the dendritic trunk, lateral branches, and basilar dendrites. B. A representative confocal image of dendritic structures in the sham, sham+ki20227, BCAL 1 h-Rep 3 d, BCAL 1 h-Rep 3 d+ki20227 groups, respectively. C. Density analysis of dendritic spines in the sham group, BCAL 1 h-Rep 3 d, sham+ki20227 group, BCAL 1 h-Rep 3 d+ki20227 groups, respectively. In each group, 10 neurons were selected from each mouse. There is no distinction in the apical shaft dendrite at the 200-400 μm position, apical oblique dendrite and basilar dendrite, but significant difference was found in the apical shaft dendrite at the 0-200 μm position after treatment with ki20227 and vehicle, respectively, after global ischemia. Two-way ANOVA was used to analyze statistical differences in the data: *P<0.05, **P<0.01. n=8.