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In the article by Yao et al., entitled "Regulation of autophagy by high glucose in human retinal pigment epithelium" [Cell Physiol Biochem 2014;33:107-116. (Doi: 10.1159/000356654)] there is an error in Figure 4. The blots of p-eIF2 and p-eIF2 were inversely marked. The correct figure and the legend is reproduced correctly here. The authors apologize for the typographical oversight and any inconvenience caused. The results and conclusions of the article remain unchanged.

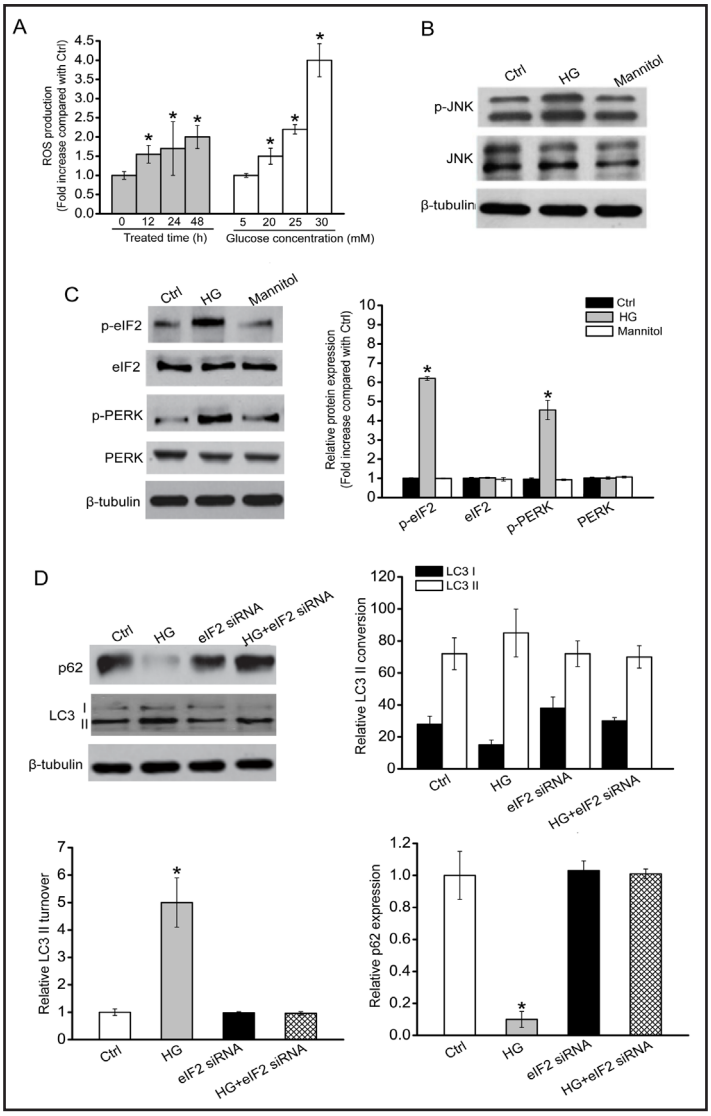

Fig. 4. High glucose induces autophagy through ROS-mediated ER stress signaling. (A) RPE cells were incubated with high glucose (30 mM) for 12 h, 24 h, or 48 h, or incubated with the culture medium containing different concentrations of glucose (5 mM, 20 mM, 25 mM, and 30 mM) for 48 h. Intracellular ROS levels were detected using DCF-DA dye. The group incubated with normal glucose (5 mM) was taken as the control group. The data was shown as relative change compared with the control group. "*" indicated significant difference compared with the control group. (B) RPE cells were incubated with the medium containing normal glucose (5 mM, Ctrl), high glucose (30 mM), or mannitol (30 mM) for 48 h. Western blots were conducted to detect the total amount and phosphorylated level of JNK protein. β-tubulin expression was detected as the loading control. A representative immunoblot is shown. (C) RPE cells were treated as shown Fig. 4B. Western blots were conducted to detect p-eIF2, eIF2, p-PERK, and PERK expression. The relative expression of each protein was expressed as the relative change compared with the control group. A representative immunoblot was shown along with the quantitative data from four separate blots. (D) RPE cells were transfected with eIF-2α siRNA to silence ER stress signaling, and then incubated with the medium containing normal glucose (5 mM) or high glucose (30 mM) for 48 h. Western blots were conducted to detect LC3 and p62 expression. β-tubulin expression was detected as the loading control. The group treated with normal glucose was taken as the control group. LC3 or p62 expression was shown as relative change compared with the control group. A representative immunoblot was shown along with the quantitative data from four separate blots.