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CORRECTION

Correction to: Silica nanoparticle exposure inducing granulosa cell apoptosis and follicular atresia in female Balb/c mice

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The authors regret that the printed version of the above article contained mistakes. The correct and final versions follows. The authors would like to apologise for any inconvenience caused and guaranteed the correction would not change the conclusion.

1. In Figure 7a, the protein band of 30 days CHK-2 was misused, which is the same as the 15 days E2F1 band. We would like to correct it and these corrections do not impact the overall findings and conclusions of the paper.
2. In Figure 7 and Figure 8, the GAPDH band of 15 days were used in the same band and the GAPDH band of 30 days were used in the same band, but our analysis results were used in the corresponding GAPDH band. We would like to correct it and these corrections do not impact the overall findings and conclusions of the paper.

The original article can be found online at https://doi.org/10.1007/s11356-017-0724-5.

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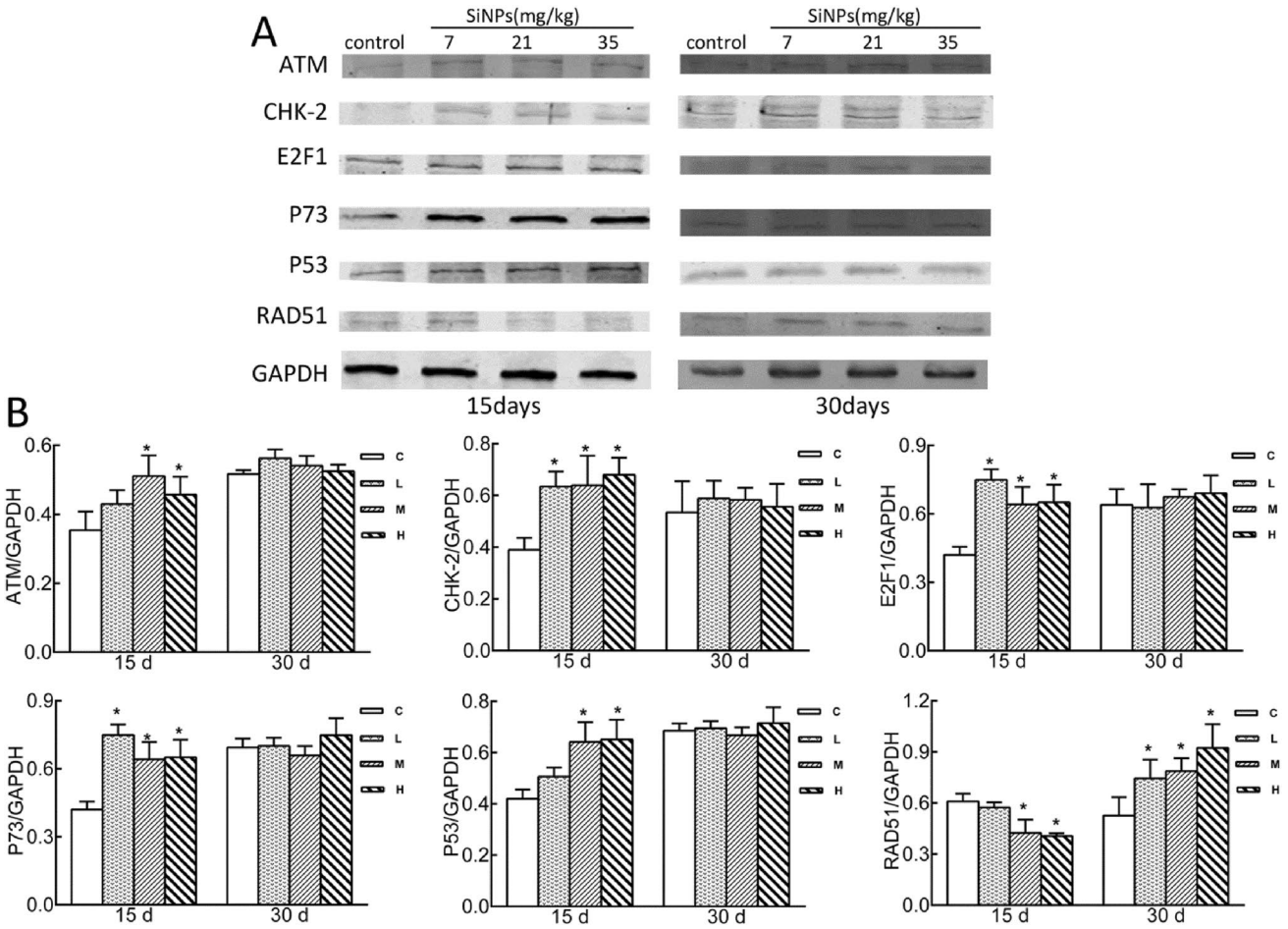

Fig. 7 Effect of exposure to silica nanoparticles on abundance of DNA damage response pathways proteins. **A** Effects of SiNPs on the protein expressions of ATM, CHK-2, RAD51, E2F1, P73, and P53. GAPDH was used as an internal control to monitor for equal loading. **B** Relative densitometric analysis of the protein bands was carried out and presented. Data are expressed as means ± SD. *p < 0.05 indicates significant difference compared with control group. Abbreviations: C, control group; L, 7 mg/kg SiNP group; M, 21 mg/kg SiNP group; H, 35 mg/kg SiNP group

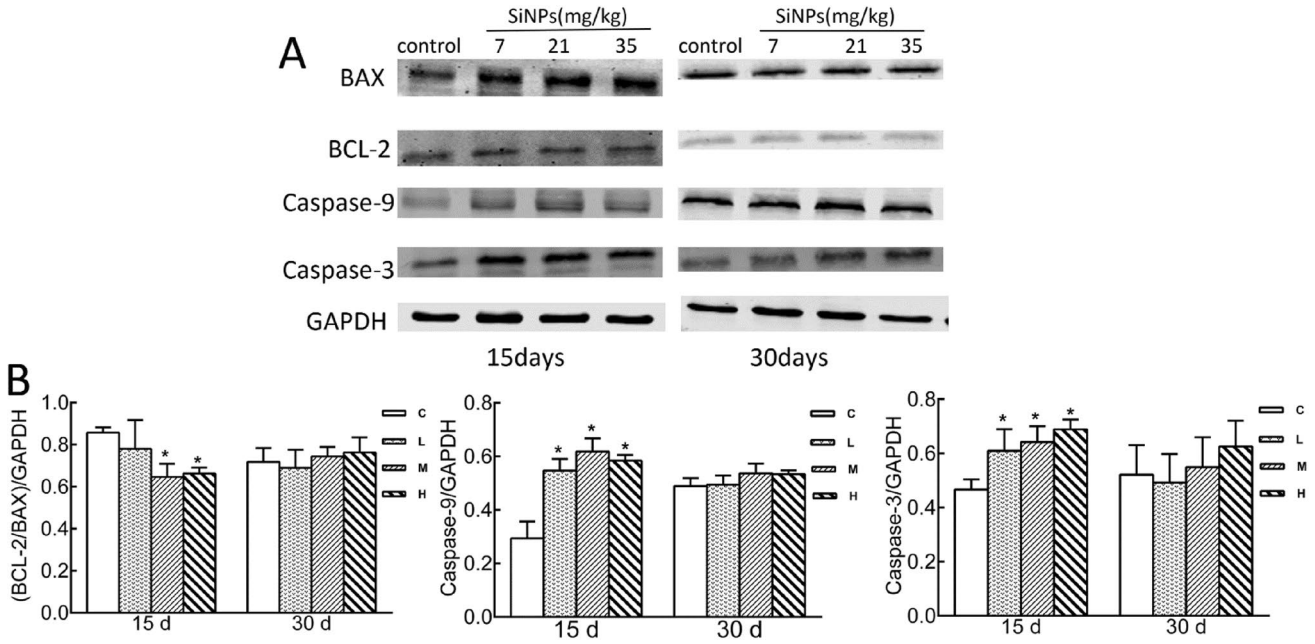

Fig. 8 Effect of exposure to silica nanoparticles on abundance of mitochondria apoptosis pathways proteins. **A** Effects of silica nanoparticles on the expressions of BCL-2, BAX, Caspase-9, and Caspase-3 protein. **B** Relative densitometric analysis of the protein bands was carried out and presented. Data are expressed as means ± SD. *p < 0.05 indicates significant difference compared with control group. Abbreviations: C, control group; L, 7 mg/kg SiNP group; M, 21 mg/kg SiNP group; H, 35 mg/kg SiNP group