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Corrigendum

Corrigendum to "Effects of Zizyphi Spinosae Extract on Cisplatin and t-Butylhydroperoxide Induced Acute Renal Failure in Rabbits"

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It has been brought to our attention that the abstract in our published paper has some errors, we would like to change it to the following one:

Zizyphus that has been used a medical herb in northeast Asia as well as Korea cures various diseases, but it is rare for zizyphus to be used to renal diseases. This study investigated the antioxidant effects of treatment with the zizyphus extract on protection of the renal epithelial cells in case of acute renal failure caused by cisplatin and t-BHP in rabbits. Zizyphus extract significantly reduced lipid peroxidation and lactate dehydrogenase release from renal cortex that had been treated with t-butylhydroperoxide (t-BHP) alone. To cause acute renal failure 5 mg · kg-1 cisplatin was intraperitoneally injected to rabbits and creatinine concentrations of sera were estimated after 24 hr. Cisplatin injection increased creatinine level of blood, but the pretreatment with 50 mg · kg-1 · day-1 of the zizyphus extract for seven days prevented the creatinine raise from causing cisplatin. Also, zizyphus extract pretreatmented group showed a significant decrease of lipid peroxidation compared with control group. The pretreatment of zizyphus extract was showed intact microvillus of proximal tubule and no contraction of rumen in the histological examination of the kidney. The zizyphus pretreatment prevented the renal tissue from the histological degeneration causing by cisplatin. Therefore, the zizyphus extract showed to be antioxidant effects on the damage to renal epithelial cells caused by cisplatin and t-BHP.