

## Erratum

# Protective effect of asiatic acid in an experimental cerulein-induced model of acute pancreatitis in mice: Am J Transl Res. 2017; 9(8): 3842-3852

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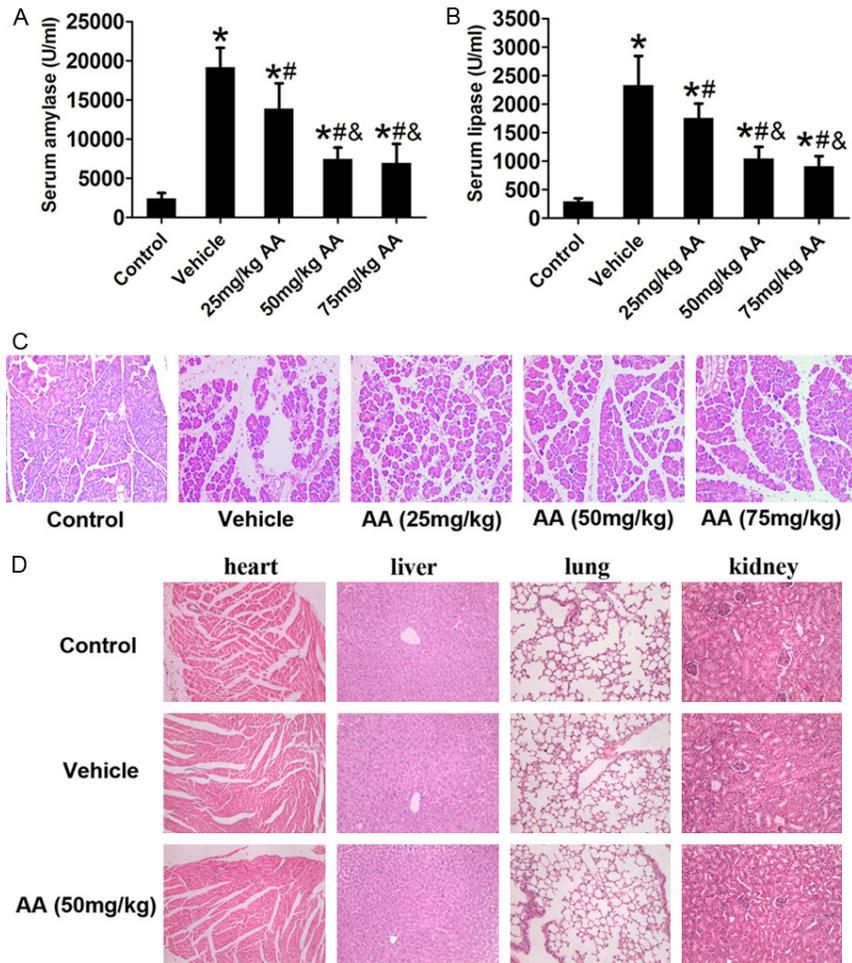
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In this article published in AJTR, we found several images are mixed, resulting in several incorrect images were mistakenly shown in **Figures 1-5**. We would like to publish this Erratum to reflect this change. The authors express regrets for this mistake.

The new figures are as following:

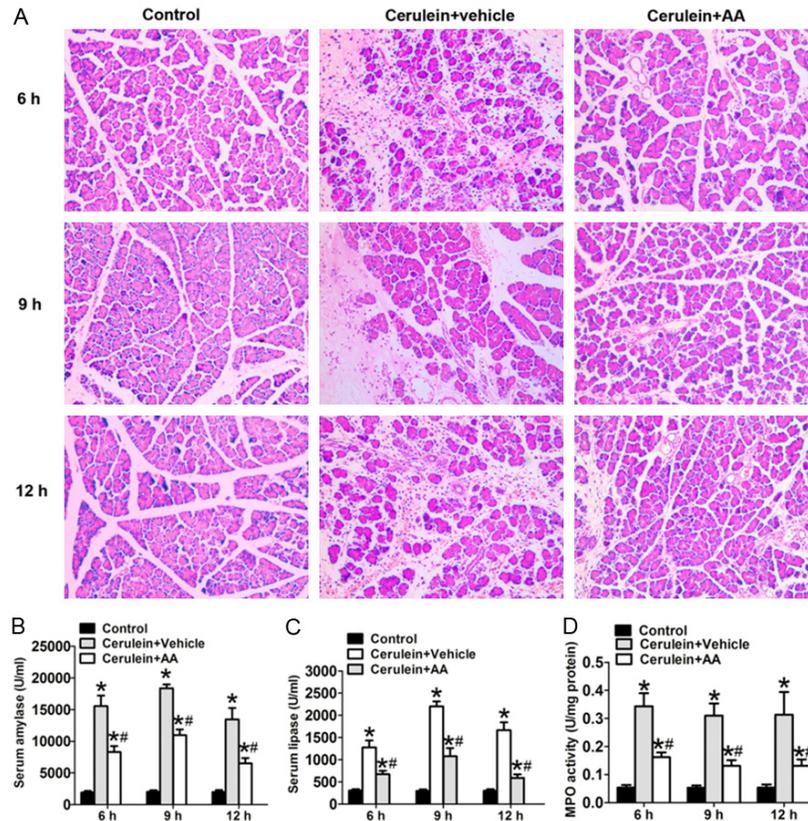
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## Asiatic acid exerts protective effect in acute pancreatitis

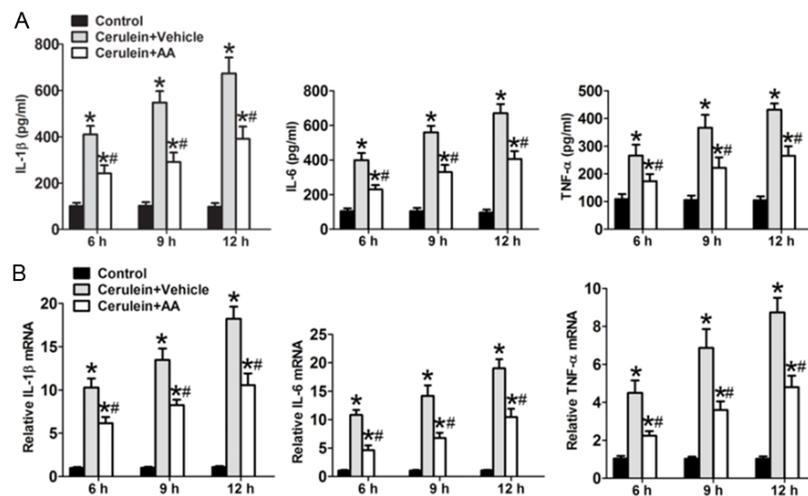


**Figure 1.** Preliminary study. Mice were given 6 hourly injections of cerulein (50  $\mu\text{g}/\text{kg}$ ) to produce acute pancreatitis. Two hours before the first cerulein injection, mice were pretreated with vehicle or AA 25, 50, or 75 mg/kg. Mice were sacrificed 6 h after the first cerulein injection. A, B. Blood samples were collected for assay of serum amylase and lipase. C. H&E staining of pancreatic tissues (magnification  $\times 200$ ). D. Tissues of heart, liver, lung and kidney in control, vehicle and 50 mg/kg AA groups analyzed via H&E staining (magnification  $\times 200$ ). Results are means  $\pm$  SD of three independent experiments. \* $P < 0.05$ , vs. controls; # $P < 0.05$ , vs. vehicle pretreatment; & $P < 0.05$  vs. 25 mg/kg AA pretreatment.

## Asiatic acid exerts protective effect in acute pancreatitis

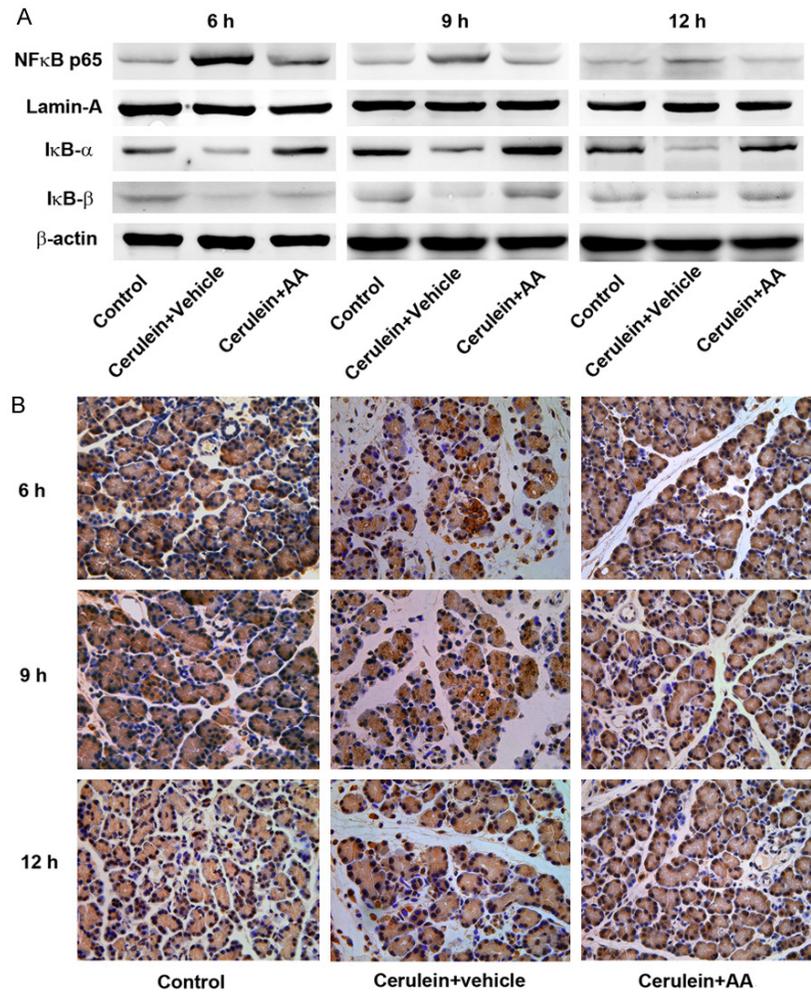


**Figure 2.** Effect of AA on pancreas histology and enzyme production of in cerulein-induced AP in vivo. Mice were given 6 hourly injections of cerulein 50  $\mu\text{g}/\text{kg}$ . Vehicle or AA 50 mg/kg was administered 2 h before the first cerulein injection. The control group was given saline instead of cerulein. Five mice were sacrificed at 6, 9, and 12 h after the first cerulein injection. A. Pancreatic tissues were examined by H&E staining (magnification  $\times 200$ ). B, C. Blood samples were collected for assay of serum amylase and lipase. D. MPO activity at 6, 9, and 12 h after the first cerulein injection. Results are means  $\pm$  SD of three independent experiments. \* $P < 0.05$ , vs. controls; # $P < 0.05$ , vs. cerulein and vehicle-treatment.



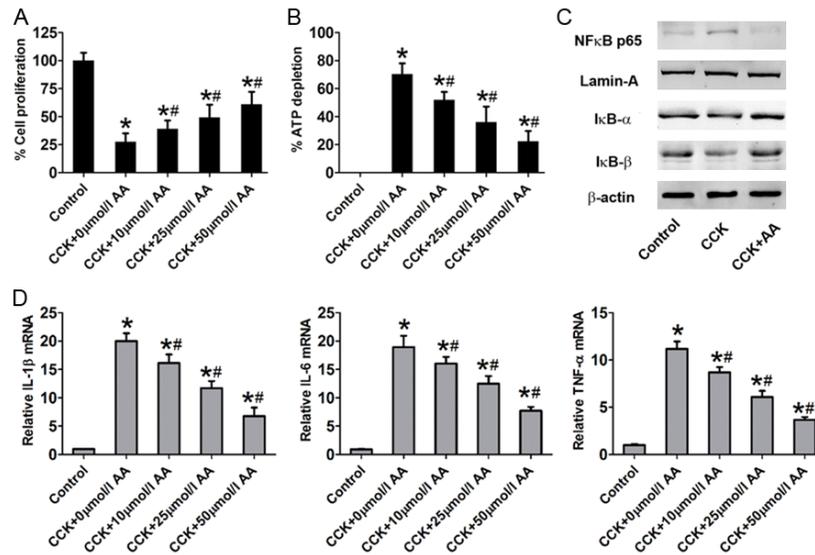
**Figure 3.** Effect of AA on production of IL-1 $\beta$ , IL-6 and TNF- $\alpha$  in cerulein-induced AP in vivo. A. Serum IL-1 $\beta$ , IL-6 and TNF- $\alpha$  were measured by ELISA. B. IL-1 $\beta$ , IL-6 and TNF- $\alpha$  mRNA expression were measured by quantitative RT-PCR. GAPDH was used as the housekeeping control. Results are means  $\pm$  SD of three independent experiments. \* $P < 0.05$ , vs. controls; # $P < 0.05$ , vs. cerulein and vehicle treatment.

## Asiatic acid exerts protective effect in acute pancreatitis



**Figure 4.** Effect of AA on NF- $\kappa$ B activity in cerulein-induced AP in vivo. A. Nuclear NF- $\kappa$ B p65, I $\kappa$ B- $\alpha$  and I $\kappa$ B- $\beta$  protein levels were assayed in western blots with Lamin-A and  $\beta$ -actin as internal references for nuclear proteins and cytoplasmic proteins, respectively. B. Immunohistochemical staining of NF- $\kappa$ B p65 detect nuclear translocation (magnification  $\times 400$ ). Results are means  $\pm$  SD of three independent experiments.

## Asiatic acid exerts protective effect in acute pancreatitis



**Figure 5.** Effect of AA on CCK-induced AP *in vitro*. A, B. Mouse pancreatic acinar cells were cultured with or without CCK 200 nmol/l and AA 0, 10, 25, 50  $\mu$ mol/l for 12 h. Cell viability was assayed with a Cell Counting Kit-8 and the amount of ATP present. C. Expression of nuclear NF- $\kappa$ B p65, I $\kappa$ B- $\alpha$  and I $\kappa$ B- $\beta$  proteins was assayed in western blots with Lamin-A and  $\beta$ -actin as the internal references for nuclear and cytoplasmic proteins, respectively. D. The levels of mRNA expression of IL-1 $\beta$ , IL-6 and TNF- $\alpha$  were measured by quantitative RT-PCR. GAPDH was used as the housekeeping control. Results are means  $\pm$  SD of three independent experiments. \* $P$ <0.05, vs. controls; # $P$ <0.05, vs. CCK induction.