The protective role of hydrogen-rich saline against liver injury caused by acetaminophen in mice

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Background: Acetaminophen (AP) overdose causes acute liver injury inducing the formation of reactive oxygen and nitrogen species. Hydrogen-rich saline (HS) has a protective role for injuries by selectively reducing hydroxyl radical and peroxynitrite as hydrogen. This study evaluated the protective effects of HS on acetaminopheninduced liver injury in mice. Methods: Forty-two mice were divided randomly into three groups: sham, AP and AP+ HS groups. The sham group received a single dose of NS (500 mg/kg) intraperitoneal injection …

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