



20991-Review

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Basic Study

Burn injury induces histopathological changes and cell proliferation in liver of rats

Jeferson André Bortolin, Hananiah Tardivo Quintana, Tabata de Carvalho Tomé, ¹Flavia Andressa Pidone Ribeiro, Daniel Araki Ribeiro, Flavia de Oliveira

Abstract

AIM: To investigate effects of severe burn injury (BI) in rat liver through the histopathological and inflammatory markers analysis.

METHODS: 42 male *Wistar* rats were distributed into two groups, Control (C) and subjected to scald burn injury (SBI). The animals were euthanized one, four and 14 days

Match Overview

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Histopathology and cytotoxicity as biomarkers in treated rats with ...

www.ncbi.nlm.nih.gov/pmc/articles/PMC3730709/

4 Mar 2013 ... These **histopathological changes** were reduced in the **liver of rats** Cd ions in the **liver**, Cd not bound to Mt produce hepatocyte **injury** and a ... The chronic exposure of cadmium compound **induces** lung **cell proliferation** which may be Ercal N., Gurer-Orhan H., Aykin-Burns N. Toxic metals and oxidative....

[PDF] Effective melatonin protection of burn-induced hepatic disorders in rats

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The **burns induced** an increase of **hepatic** malondialdehyde levels by 166% (p.0.001), and also vascular congestion, leukocyte infiltration around the central veins, intracellular vacuolization, **hepatic cell** ... It could restore **liver** damage following thermal **injury** in humans. **histopathological changes**, including intracellular.

Effects of hydrogen-rich saline on early acute kidney injury in ...

www.translational-medicine.com/content/13/1/183

6 Jun 2015 ... Severe **burn** were **induced** via immersing the shaved back of **rats** into a 100°C bath for 15 s. ... the mediation of apoptosis, **cellular proliferation** and differentiation, **Histological changes** were scored based on the percentage of renal protein kinase inhibition attenuates **burn-induced liver injury** in **rats**.

Anti-Proliferative Activities of Sinigrin on Carcinogen-Induced ...

journals.plos.org/plosone/article?id=10.1371/journal.pone.0110145

20 Oct 2014 ... Sinigrin **induced** apoptosis of **liver** cancer **cells** through These studies reflect the health benefits of sinigrin towards carcinogens-**induced liver injury**. ... The **histological changes** of **liver** section from **rats** were examined. Navarro-Yepes J, **Burns** M, Anandhan A, Khalimonchuk O, Del Razo LM, et al.

The Protective Effect of Esculentoside A on Experimental Acute Liver ...

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18 Nov 2014 ... Affiliations: Department of **Burn** Surgery, the Second Military Medical EsA has the effect of modulating immune response, **cellular proliferation** and apoptosis as well In vivo, CCl4-**induced** acute **liver injury** was firstly performed to and cell morphology deterioration, the **liver histopathological changes**....

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