

Hepatoprotective effects of per os administrated melatonin and tinospora cordifolia in experimental induced jaundice

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Abstract

Posthepatic cholestasis is figured by the onset of an intense oxidative stress, followed by important celular morphological and functional abnormalities. The aim of this experimental study is to assess the hepatoprotective effects of melatonin and extract of *Tinospora cordifolia* in bile duct ligation induced jaundice in rats. We choosed to administrate both pharmacological products per os, in order to compare the results with those already published, in which melatonin was administrated injectable. The assessment of microscopy, lab tests and the measurement of oxidative stress products indicates a marked hepatoprotective effect of those two compounds. The results alowed us to recomand the use of melatonin and *Tinospora cordifolia* to reduce the cholestasis's oxidative stress in human.

Key words: jaundice, oxidative stress, melatonin, tinospora cordifolia, nitric oxide

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