

Hepatoprotective Activity of Polyherbal Extract

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Abstract: *The largest solid organ in the body, situated in the upper part of the abdomen on the right side. The liver has a multitude of important and complex functions, including to manufacture proteins, including albumin (to help maintain the volume of blood) and blood clotting factors; to synthesize, store, and process fats, including fatty acids (used for energy) and cholesterol to metabolize and store carbohydrates (used as the source for the sugar in blood) to form and secrete bile. That contains bile acids to aid in the intestinal absorption of fats and the fat-soluble vitamins A, D, E, and K; to eliminate, by metabolizing or secreting, the potentially harmful biochemical products produced by the body, such as bilirubin, from the breakdown of old red blood cells and ammonia from the breakdown of proteins; and to detoxify, by metabolizing and/or secreting, drugs, alcohol, and environmental toxins. Liver disease remains one of the serious health problems. Polyherbal extract was found to be much effective in protecting hepatocytes at selected dose. Recovery against paracetamol induced necrosis in their compact arrangement of hepatic cells was observed; whereas the section of liver of animals treated with Silymarin showed that extent of liver damage was lesser in magnitude as compared to the paracetamol treated animals.*

Keywords: Hepatotoxicity, Paracetamol, Silymarin, Polyherbal extract.

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