

Abstract No. 37

Effects of therapeutic purgation procedure on liver function and electrical activity of heart

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Abstract

Communicable diseases are a main health problem in the present world. Diseases of heart and liver are most common among them. Therefore, this study was conducted to determine the effect of therapeutic purgation on liver function and the electrical activity of the heart. Therapeutic purgation eliminates excessive vitiated *dosha*, mostly the *Pitta dosha* from the body through the anal route. After purgation, if there is a deformity in liver function or electrical activity of heart, it needs to be evaluated and the levels are to be compared before and after purgation therapy. In the present study, all the patients were selected from the IPD of Gampaha Wickramarachchi Ayurveda Hospital, Yakkala. Simple random sampling method was used to select the patients. 16 patients were selected according to the selection criteria. Before starting the treatment procedure liver function test report and electrocardiogram were taken from each patient. *Deepana-Pachana* drugs were given for 03 days and then the internal oleation started. Internal oleation continued for 05 days. Sedation was given in the evening of the last day of internal oleation and on the following day morning purgative drugs were given. After 02 days of proper purgation therapy, required tests were done. A follow up was done after one month of proper purgation. The patients showed significant reduction in liver function tests (SGOT, SGPT and Serum bilirubin). But in this study, significant changes of electrical activity of the heart were not presented. Thus, the therapeutic purgation could be recommended for the management of liver diseases, specially for fatty liver when purgation is appropriate.

Keywords: Purgation, *Deepana-Paachana*, SGOT, SGPT, Serum bilirubin

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