

Effect of patoladi ghanasara on ethanol-induced gastric lesions in rats

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Abstract

Patoladi Ghanasara (PG) consisting of five ingredients (*Terminalia chebule* Retz; *Terminalia belarica* Roxb, *Phyllanthus emblica* Linn; *Tricosenthus cucumarina* Linn; *Azadirachta indica* A Juss) is recommended for the treatment of gastric lesions (Amlapitta) in Ayurvedic medicine. Recently, we showed using rat ethanol-induced gastric lesion technique that Patoladi decoction has strong gastroprotective activity when given orally. The aim of this study was to investigate whether semisolid preparation of this decoction, namely (PG) has gastroprotective activity when assessed with the same technique and method of administration. Three different concentrations of the PG were used: 30%, 15% and 7.5%. The results show that PG has overall gastroprotective activity but is less effective than PD (in terms of both number and length of gastric haemorrhagic lesions).

Key words: Patoladi ghanasara, Patoladi decoction, Amlapitta, Gastric lesion, Gastro protection, Ayurveda, Sri Lanka.

1. Introduction

Prevalence of gastric lesions is increasing in developing countries (Shayne, 2002) including Sri Lanka. The number of patients seeking Ayurvedic treatment for gastric lesions (Amlapitta) at the Colombo Ayurvedic Teaching Hospital has increased over the last few years (Dr. M.M.Chandrasena, Consultant Physician). One of the decoctions given for gastric lesion in this Hospital is Patoladi decoction which contain five ingredients: pericarp of dry fruit of *Terminalia chebula* Retz. (Family; combretaceae, "aralu" in Sinhala "kadukkay" in Tamil), *Terminalia belerica* Roxb. (Family; combretaceae "bulu" in Sinhala "akkam" in Tamil), *Phyllanthus emblica*