Hair Growth Promoting Activity of Zauberöl® in Testosterone-Induced Alopecia in Wistar Rats

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Abstract

Background: Hair loss, or alopecia, is a common disorder that affects between 0.2-2% of the world's population and have significant impacts on a person's mental and physical health. Normal hair loss on a healthy head is between 50 and 100 hairs a day. Alopecia is a disorder in which the follicles in certain people start losing hair prematurely because they are not healthy, increasing the pace at which hair falls. Alopecia can be caused by poor nutrition, chronic stress, genetics, or other factors, and there are several types, each with a unique cause and symptom. Apart from improving quality of life, using methods like hair treatments or transplants, many homeopathic herbal ingredients are reported useful in managing alopecia and hair fall. This study was aimed to investigate the effectiveness of a formulation Zauberöl® containing Arnica montana, Ceanothus americanus, Eclipta prostrata, Hibiscus Rosa sinensis, Jaborandi, Murraya koenigii, Sabal serrulata & Thuja occidentalis in testosterone-induced alopecia in Wistar rats.

Methods: Adult male Wistar rats, weighing 250-300g were divided into four groups where group I served as the normal control, group II received testosterone solution to induce androgenetic alopecia, group III received the investigational formulation (including Zauberöl® Hair Oil), and group IV received the investigational formulation (including Zauberöl® Hair Oil) after being pre-treated with testosterone.

Results: The results of this study suggest that the investigational formulation Zauberöl® has a therapeutic effect against testosterone-induced alopecia. Group III and group IV where Zauberöl® was used for treatment showed results similar to the normal control group for all the parameters viz. follicular density, telogen and telogen/ anagen ratio. The results were better than control group in case of treatment with Zauberöl® in absence of testosterone induced alopecia, which showed its potential of improving quality of hair.

Conclusion: The homeopathic herbal formulation Zauberol® Hair Oil demonstrated effectiveness in testosterone-induced alopecia. Further studies are warranted to establish its mechanism of action.

Keywords: Alopecia, Zauberöl®, hair oil, hair fall

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