Evaluating Hair Growth Activity of Herbal Hair Oil

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Abstract: Herbs & herbal drugs are clinically proved good for hair growth. Hair loss problem is of great concern to both males & females & the main problems associated with hair loss are hair fading, dandruff & falling of hair. Various synthetic medicines are available for hair loss which does not treat permanently & also shows severe side effects. The main objective of this work is to develop such an herbal hair oil formulation which can resolve the problem related to hair fall & other hair diseases. Herbal drugs like *Emblica officinalis, Bacopa monniera* and *Cyperus rotundus* were selected for the formulations of poly herbal hair oil. The hair oil was prepared individually and in a varying concentration of all three herbs and a mixture of all the three herbs in fixed proportion using coconut oil as base. The formulated oil in varying concentration was evaluated physical, chemical and hair growth properties of formulated oil by applying it topically on shaved skin of albino rats. Primary skin irritation test, hair length test were performed and the hair growth was compared with standard Minoxidil 2% ethanolic solution using healthy albino rats. It was observed that hair oil formulation (HF3) showed the best result among the other formulation evaluated by showing an enlargement of follicular size and prolongation of the anagen phase.

Keywords: Hair loss, Herbal drugs**,** *Emblica officinalis, Bacopa monniera, Cyperus rotundus,* herbal hair oil, hair length.

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