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Preparation of face cream for uvanapidaka viz -a -viz acne with special reference to *Manjishtadi* oil

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In Ayurveda, *Uvanapidaka* is a specific type of skin disease which has a direct effect on skin beauty. Ayurveda Susruta samhitha mentioned that vitiation of *Kapha*, *Vata* and *Rakta* together results in *Uvanapidaka*, which has an appearance of a prickles of *Bombax malabaricum* tree. *Malahara kalpana* is the most effective external pharmaceutical preparation for *uvanapidaka* according to Ayurveda and it can be correlated with ointments, creams, and lotions in modern pharmaceuticals. The objective of this study was to prepare a cream for *uvanapidaka* by using *Manjishtadi* oil according to the references of Ayurveda pharmacopeia. *Manjishtadi* oil has a nourishing effect on skin, improves skin complexion, reduce skin inflammations. Decoction of *Rubia cordifolia*, *Glycyrrhiza glabra*, resin of *Croton laccifer*, *Citrus medica*, goat milk and water (16 parts) were mixed with 4 parts of sesame oil and 1 part of *kalka* to prepare the oil. *Kalka* was made by grinding dry powders *R. cordifolia*, *G. glabra* and *C. medica* with resin of *C. laccifer*. *Manjishtadi* Oil and bee's wax was mixed the ratio of 1:6 to convert it into a cream (sample A). Sample B was prepared by using preservative and sample C was prepared by adding fragrance. Physico-chemical analysis and phytochemical analysis including HPTLC were performed for the cream. The results revealed that total ash content (1.24%) and pH value (5) were within the normal range also suitable for the skin. Methanol extract was positive for tannins, alkaloids, and flavonoids. Chemical profile of the product was obtained using HPTLC fingerprint (Toluene:Hexane:Ethylacetate 1:1:1 v/v%). There was no any significant change in color, odor or appearance of all three samples during 40 days of shelf-life determination. Physico-chemical analysis concludes that the cream is having standard quality and purity. Phytochemical analysis determines that the cream may have antioxidant, anti-fungal and anti-bacterial properties, which are beneficial for skin diseases.

Keywords : anti-oxidant, manjishtadi oil, ointment, skin complexion, uvanapidaka

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