DOLBIGO: the topical herbal cream for treatment of vitiligo

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Abstract: The Platanus orientalis Linn is a rapidly growing deciduous tree that belonged to Platanaceae. This decorative tree is native to southern Eurasia from west central Italy eastward to Persia. From earliest days Platanus orientalis Linn has been an important tree in Persian gardens, which are built around water and shade and it is called Chenar. Platanus orientalis Linn is known as Dolb in Iranian folklore. Its leaves used in Iranian traditional medicine as a pain and inflammation reliever, wound-healer and treatment of vitiligo. Vitiligo is a long-term condition that causes pale, white patches to develop on the skin due to the lack of melanin. The common treatments for vitiligo may improve the appearance of the affected skin but does not cure the disease.

This study aimed to formulate herbal cream for treatment of vitiligo based on Iranian traditional medicine. After collecting the leaves of Platanus orientalis Linn in the month of June, the leaves are dried at the room temperature in indirect light condition. For improvement the repigmentation effect of the formula, milk powder, ginger extract and alpha-tocopherol are added. The best formula was choice base on the physical and rheological properties. Stabilities study showed a stable, homogenous appearance and effective during one month storage period at room temperature. The results show that the cream prepared from leaves of Platanus orientalis Linn and ginger extract has suitable properties as a topical cream.

It can be concluded that the cream prepared from leaves of Platanus orientalis Linn and ginger extract could be tested for treatment the vitiligo in the clinical studies.

Keyword: Platanus orientalis Linn – vitiligo - ginger