

Short Communication**Jojoba Oil as Medicalization**

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Plant oils used from ancient times for different purposes like foods, cosmetics, and pharmaceutical products, Jojoba (*Simmondsia Chinensis*) seeds produce valuable soluble wax classified as a fixed oil transform to hard white wax by hydrogenation, this liquid wax used for a long time in folk remedies as a therapeutic for renal colic, sunburn, losing hair, headache, wounds, and sore throat.

Currently, there is more attention in the utilization of jojoba oil for medical purpose, due to their unique properties like it is being non-irritant and non-allergic to the skin and mucous membranes, high oxidative stability and resistance to degradation, also, the higher content of Simmondsins in jojoba oil gives it an anti-fungal and anti-bacterial, anti-inflammatory, antioxidant effect, and other several therapeutic advantages like wound healing, skin repairing, lubricant properties and their cure effects on both skin diseases and inflammatory status.

Jojoba oil consists of long straight-chain non-triglyceride wax ester (C36-C46), as well as, there are numerous essential components in jojoba oil as fatty acids, powerful antioxidants, esters of high molecular weight monounsaturated, fatty acids, Omega 6 and 9, alcohol, sterols and vitamins A, D and E, antioxidants, and antiviral components like Docosanol which works to repair damaged skin cells, regenerate cells, and fight premature aging. Jojoba oil has high penetration ability into deep layers of skin and provides enough moisture for brightening dull skin and stimulates cell regeneration, so, it is shown high efficiency in enhancing the absorption of topical drugs, therefore, it is used widely in cosmetic formulas like sunscreens and moisturizers, and in medicinal uses, for example, it has been effectively used as a topical

application for skin cure particularly in the treatment of the dry skin after chemotherapy and radiotherapy, as well as, there is a notably effect of jojoba oil in wound closing and accelerating wound healing, also, jojoba oil has a physiological influence on the inflammatory status and proliferation.

From another side, due to the high content of wax esters, there is an anti-inflammatory effect for jojoba oil, it is considered a proper option for repair dermatoses with various skin barriers and rejuvenate skin cells, like seborrheic dermatitis, eczematous dermatitis, and acne, besides, potential uses in treating skin infections, skin aging, and WH, also, it is being used in preventative measures related to Gynecology of Obstetrics and general surgery, as well as, with the therapeutic of optical diseases, inflammation of the ear particularly external otitis, rheumatic pain and arthritis, gingivostomatitis, and tooth pain.

Jojoba Oil is effective as a therapeutic in numerous diseases, like relieving pains of polyarthritis, arthralgia, also, it is improving the efficiency of physiotherapy and stimulating the body to regain its physical ability, besides that jojoba oil play important role in eradicating the stress and muscles cramps. Jojoba oil has an effective role in Toothache through mixing with lidocaine in treating mouth ulcers, also, adding jojoba oil with Zinc oxide increase the efficiency of the temporary filling, as well as., it has been used to produce toothpaste to treat gingivitis.

Currently, Jojoba oil is added to other medicines, for achieving more efficiency of the novel medicine, therefore, determining the appropriate dose for each disease is an important precaution that must be taken into account before using jojoba oil with other medicines, for example, in case mucositis in the mouth, it is preferable to use 1-10% of jojoba oil by weight with 0.5% by weight of lidocaine hydrochloride to compose curative ointment while using 2-50% of jojoba oil by weight combined with 2% by weight of salicylic acid is used for treating acne, psoriasis and dandruff diseases.

It is expected that there will be more applications of jojoba oil for medicinal purposes to produce medicines without side effects to treat various diseases shortly.

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