

Pharmacovigilance 2019- Loranthus Europaeus is a Nano Alternative Medicine in Treatment of side effect of Chemotherapy of Breast Cancer- Ali Awad Hamoud Aljeboory, University Iraq

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Cancer is responsible for one in eight deaths worldwide more than AIDS, tuberculosis, and malaria together. Natural product still continue to be important as source of novel drugs because these drugs do not need sophisticated instrument, cheap resources, less toxic, no resistance to them by bacteria compared with the synthetic drugs. However the natural product will continue to be important in addition in three areas of discovery, they are a target for production by biotechnology, as source of new lead compounds of novel chemical structure and as the active ingredients of useful treatments divided from traditional systems of folkloric medicine(1). The herb *Loranthus Europaeus* leaves and fruits was used in Iraq traditional medicine for treatment of inflammation, tumor and antimicrobial infection (2). For these reasons we tried to use the phytochemical and pharmacological studies to approach to their bioactive products as a new source for medicine. The extraction of active constituent of *Loranthus Europaeus* (flavonoids terpenoids and alkaloids) by using chromatography method using a thimble of suxlet with different organic solvents. The ethylacetate extract contain flavonoid which contain quercetin and quercitrin. The active ingredient mixture of LE leaves extract have used as mouth wash for 10 ladies different age have breast cancer and under treatment with chemotherapy. We found that the bioactive martial extracted from LE used as mouth wash cause cure of the inflammation of the mouth of those ladies. In addition that 10 humans of different sexes complaining of cyst attached to one of their tooth treated with different types of antibiotic there was no response but when have given an antibiotic

with bioactive agents of this LE there was complete cure of the cyst and there was no need for operation which give the possibility of presence of one or more of these (quercetin and quercitrin) active agents act as positive nano carrier of the antibiotic to the cyst directly and cure it. In the following medicinal plant as *Haloxylon*, *Loranthus European*, *Salvia*, *Artemesia*, *Ocimum sanctum* microemulsion, polymeric nano particles act as drug delivery barrier for alkaloids so which act directly on cancer cell without side effect So we can have cheap cancer drugs therapy which available from Cheap resources and safe effective cancer therapy.

Review: *Loranthus* is a sort of parasitic plants that develop on the parts of woody trees. It has a place with the family *Loranthaceae*, the garish mistletoe family. In most prior efficient medicines it contains all mistletoe species with indiscriminate blossoms, however a few animal categories have switched to unisexual blossoms. Different medicines limit the family to a couple of animal categories. The precise circumstance of *Loranthus* isn't completely clear. A few types of *Loranthus*, in the wide sense, are parasites on developed trees; for instance, they happen in Kerala and Uttarakhand India on mango trees (*Mangifera indica*), sapota trees (*Manilkara zapota*) and poplar trees. Most of the *Anogeissus latifolia* trees in the Biligirirangan Hills of Karnataka are contaminated by *Loranthus* species and in Africa, they are irritations in cocoa estates. These plants develop unequivocally on maturing trees especially some place in old branches. When built up, they take minerals and water, just as square daylight by covering the infringed place. The blossoms of *Loranthus europaeus* are lit-

tle, green, ordinarily have four to six sections, and might be either unisexual or promiscuous. Different types of a more extensive Loranthus have enormous, ostentatious blossoms, with sprouts in splendid hues. The organic products are berries, for the most part containing a solitary seed, that is scattered by fowls. The flower qualities show that it is ornithophilous in nature and has moderate amount nectar put away in its perianth tube. The develop buds require outside variables like stumbling to guarantee that they open up. Without this, the buds tumble off without opening. Feathered creatures help in this procedure and develop buds discharge a haze of dusts that adheres to the head or nose of the testing fowl. The winged creatures seen visiting these blossoms in India are

Tickell's flowerpecker, purple-rumped sunbird, purple sunbird and creepy crawly tracker.

References:

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