



Composition

Jorvan™ capsule: Each capsule contains *Plumbago zeylanicum* 18 mg, *Piper longum*(Root) 09 mg, *Trachyspermum ammi* 09 mg, *Nigella sativa* 09 mg, *Cuminum cyminum* 09 mg, *Cedrus deodara* 09 mg, *Apium graveolans* 09 mg, *Piper chaba* 09 mg, *Elletaria cardamomum* 09 mg, Rock salt 09 mg, *Saussurea lappa* 09 mg, *Vanda roxburghii* 09 mg, *Tribulus terrestris* 09 mg, *Corriendum sativum* 09 mg, *Terminalia chebula* 09 mg, *Emblica officinalis* 09 mg, *Terminalia belerica* 09 mg, *Cyperus rotandus* 09 mg, *Zingiber officinale* 09 mg, *Piper longum*(Seed) 09 mg, *Piper nigrum* 09 mg, *Cinnamomum zeylanicum* 09 mg, *Vetiveria zizanoid* 09 mg, *Abies webbiana* 09 mg, *Cinnamomum tamala* 09 mg, *Yobkhar* 09 mg, *Ebmlica ribes* 09 mg & *Commiphora mukul* (Guggulu) 250 mg extract.

Description

Jogaraj-guggulu is a right preparation of different herbs, which is therapeutically effective in rheumatoid disorder. The phytochemical constituents present in the herbs used for the preparation of *Jogaraj-guggulu* possibly facilitate the desirable therapeutic efficacy as a whole in ailments.

Pharmacology

Literature survey reveals that guggulsterone E & Z from *Commiphora mukul*, piperine from *Piper longum* are responsible for anti-inflammatory activity whereas gallic acid from *Terminalia chebula* & *Terminalia belerica* & ascorbic acid from *Emblica officinalis* are responsible for its antioxidant activity.

Commiphora mukul

Guggulu is an exudates obtained in the form of oleogum resin from the stem of *Commiphora mukul*. It has analgesic & anti-inflammatory properties due to the presence of guggulsterone E & Z. Guggulsterone shows anti-inflammatory effect by inhibiting the activation of nuclear factor-kappa-B (NF-kappa-B).

Plumbago zeylanicum

Plumbago zeylanicum possesses flavonoids, which are known to inhibit the prostaglandins synthesis. Flavonoids of *Plumbago zeylanicum* help to reduce pain perception by suppressing pain substances like prostaglandins & bradykinin. It also controls excessive collagenase production. Study reveals that analgesic effect is comparable to that of Indomethacin.

Nigella sativa

Nigella sativa contains thymoquinone, which inhibits the effect of nociceptive system or inflammatory mediators and reduces pain. The anti-nociceptive effect of *Nigella sativa* is comparable with that of Naproxen.

Vanda Roxburghii

Vanda Roxburghii reduces pain & inflammation. Heptacosane & octacosan of *Vanda roxburghii* shows anti-inflammatory activity.

Zingiber officinale

Gingerol from *Zingiber officinale* possesses anti-inflammatory and analgesic properties. This formulation inhibits production of prostaglandins & leukotrienes that are responsible for pain & inflammation.

The rock salt used in the short term performance of these plants helps. This herb acts as a carrier material.

Indication

- Rheumatoid arthritis
- Osteoarthritis
- Neuralgias
- Myalgias
- Spondylitis
- Backaches
- Joint pain/ Arthralgia
- Joint stiffness

Dose & administration

One capsule 2-3 times a day after meals or as advised by the physician.

Adverse effects

No severe side effects have been observed with Jogaraj guggulu during the clinical practice for the last twenty-five years; however, systematic Phase 1 study with this drug is carried out and general tolerability of Jogaraj guggulu is found good. Maximum tolerable dose is about 9 gm per day. In rare case very high dose than prescribed may lead to stomach irritation, diarrhea, stomatitis & urticaria.

Contraindication

Jogaraj guggulu is contraindicated in cases of known allergy to plants or guggulu. It is well tolerated but precaution should be taken in hyperthyroidism, diarrhea, during use of antihypertensive, anti-fungal & lipid lowering medication.

Drug interaction

Large amounts of guggulu might theoretically increase the side effects of estrogen; decrease the effectiveness of diltiazem. Taking guggulu along with some medications like atorvastatin, ketoconazole, itraconazole & fexofenadine that are broken down by the liver can decrease the effectiveness of medications. Guggulu might increase thyroid hormone in the body. Taking guggulu along with thyroid hormone pills might increase the effects & side effects of thyroid hormone.

Pregnancy & lactation

Jogaraj guggulu should not be used during pregnancy or lactation.

Storage

Keep in a cool, dry place & away from direct sun light. Keep the medicine out of children's reach.

How Supplied

Jorvan™ 500 mg Capsule: Each box contains 30 capsules in blister pack.

Manufactured by

SQUARE PHARMACEUTICALS LTD.

AYURVEDIC DIVISION

BSCIC, Pabna, Bangladesh



SQUARE