Dopadon

Domperidone

Composition:

Dopadon Tablet: Each tablet contains Domperidone BP (as Domperidone Maleate BP) 10 mg. **Dopadon Suspension:** Each 5 ml suspension contains Domperidone BP 5 mg. **Dopadon pediatric drops:** Each ml suspension contains Domperidone BP 5 mg.

Description:

Domperidone blocks the receptor binding activity of Dopamine. Though all of the Dopaminergic receptors (D1, D2, D3, D4 & D5) are present in the brain but Domperidone blocks only the chemoreceptor trigger zone and stomach. Domperidone has an action to the gastrointestinal motility. Domperidone does not readily enters the brain that's the reason Domperidone has insignificant effects (psychotropic and neuroloic) on the dopaminergic receptors of Brain. Domperidone accelerates transit through the small intestine, facilitates gastric emptying, enhances antral and duodenal peristalsis and regulates contraction of the pylrus. Domperidone increases lower esophageal spinchter pressure and esophageal peristalsis and prevents the regurgitation of gastric content, thus prevents the rumination.

Indications:

1) Stimulation of Gastrointestinal mobility
    a. Esophageal reflux, Reflux esophagitis and gastritis
    b. Diabetic gastroparesis.
    c. Heartbum with or without regurgitations of gastric contents in the mouth.
    d. Non-ulcer dyspepsia
    e. Functional dyspepsia
    f. Speeding barium transit in ''follow-through'' radiological studies.
    g. Acute nausea and vomiting.
2) Prevention and Symptomatic relief of acute nausea and vomiting in the adults from any cause but specifically:
    a. Cytotoxic therapy
    b. Nausea and Vomiting associated withe L-dopa and bromocriptine treatment for parkinsonian patients.
    c. Radiological therapy.
3) Stimulate lactation for lactating mothers

Dosage and Administration:

Dopadon should be taken 15-30 minutes before meals. The usual oral dose of Dopadon is as follows:

Adults: 1-2 Dopadon tablet (10 to 20 mg) or 10-20 ml Dopadon suspension every 4-8 hours daily. **Children:** 0.2-0.4 mg/kg Dopadon suspension or 0.4-0.8 ml/Kg Dopadon suspension every 4-8 hours

daily. For acute nausea and vomiting, maximum period of treatment is 12 weeks. **Dose for the lactating mothers:** The usual dosage of Dopadon for insufficient milk supply is 20 mg.

Side Effects:
Hyperprolactinemia (1.3%) may produce during the treatment with domperidone, which may result in galactorrhea, breast enlargement, soreness and reduced libido. Dry mouth (1%), thirst, headache (1.2%), nervousness, drowsiness (0.4%), diarrhoea, skin rash and itching may occrr, Extrapyramidal reactions are seen in 0.05% of patients in clinical studies.

Precautions:
Domperidone is highly metabolized in liver, it should be used with caution in patient with hepatic impairement. There may be increased risk of extrapyramidal reactions in young children because of incompletely developed blood brain barrier.

Contraindication:
Domperidone is contraindicated to patients having known hypersensitivity to this drug and in case of neonates. Domperidone should not be used whenever gastro-intestinal stimulation might be dangerous i.e; gastrointestinal hemorrhage, mechanical obstruction or perforation. Also contraindicated in patients with prolactin releasing pituitary tumor (prolactinoma).

Use in Pregnancy and Lactation:
Pregnant Woman: During pregnancy domperidone is not safe. Domperidone is not recomended in pregnancy.

Lactating mother:
Domperidone may precipitate galactorrhea and improve post-natal lactation. It is secreted in breast milk but in very small quanities insufficient to be considered harmful.

Drug Interactions:
Domperidone may reduce the hypoprolactinemic effect of bromocriptine. The action of domperidone of GI function may be antagonized by anti-muscarinics and opiod analgesics. Domperidone and MAO (monoamine oxidase) inhibitors combination treatment taken carefully.

Presentation:
Dopadon 10 mg tablet: Each box contains 10×10 tablets in blisters strip.
Dopadon suspension: Each bottle containing 60 ml suspension.
Dopadon pediatric drops: Each bottle containing 15 ml suspension.

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Manufactured by:
The IBN SINA Pharmaceutical Industry Ltd.
Shafipur, Gazipur, Bangladesh.