

Brand Name : Gynonys Injections for Intramuscular Use Only**Therapeutic Category : Progestins**

The active pharmaceutical ingredient of Gynonys Injection is hydroxyprogesterone caproate.

Indications

1. Reduction in risk of preterm birth
2. Threatened / Habitual Abortion
3. Undiagnosed Vaginal Bleeding

Mechanism Of Action

Hydroxyprogesterone caproate is a synthetic progestin. The mechanism by which hydroxyprogesterone caproate acts is not elucidated. However, it may exert its action via the progesterone pathway on the corpus luteuma and progesterone receptors.

Dosage**1. For prevention of Preterm Birth**

- ⤴ Administer intramuscularly at a dose of 250 mg (1 mL) once weekly (every 7 days) by a healthcare provider.
- ⤴ Begin treatment between 16 weeks, 0 days and 20 weeks, 6 days of gestation.
- ⤴ Continue administration once weekly until week 37 (through 36 weeks, 6 days) of gestation or delivery, whichever occurs first.

2. Threatened / Habitual Abortion

- ⤴ **Threatened Abortion** - 500 mg. IM 2-3 times weekly for several weeks with bed rest followed with 250 mg IM or as advised by the treating Physician, till reduction of symptoms.
- ⤴ **Habitual Abortion** – On confirmation of pregnancy 250 mg to 500 mg IM at weekly intervals during the initial months or in individual cases even longer as advised by the Physician.

3. Undiagnosed Vaginal Bleeding

- ⤴ On detection of vaginal bleeding, the usual dose initiated is 250-500 mg IM, depending on the severity or as advised by the Physician, depending on the severity.

Administration

The injections are to be used intramuscularly only and must be discarded if any particulate matter is seen.

Contraindications

A history of pregnancy with herpes, previous or existing liver tumors, cancer of the breast, missed, incomplete or inevitable abortions. The drug is not to be used in lactating mothers, paediatric class of patients. The safety of the drug has not been established in geriatric class of patients or patients with hepatic and renal impairment.

Precautions

Discontinue the drug if thromboembolic events are observed. The drug may cause allergic reactions and depression in individuals with previous history. Fluid retention has been reported in some females.

Adverse Drug Reactions

The most common complaint was pain, swelling and redness at the site of the injection. Other casual complaints included were pruritus, nausea and diarrhoea, and dizziness in susceptible individuals.

Drug Interactions

There are no studies with HPC and other drugs.

Composition

The active pharmaceutical ingredient in Gynonys Injection is Hydroxyprogesterone Caproate (HPC). It is a clear, yellow, sterile, non-pyrogenic solution for intramuscular injection.

Storage

Store in a cool dry place away from direct sunlight and out of reach of children.

Presentation

Box of one ampoule of 1 ml (250 mg) & one ampoule of 2 ml (500 mg) with a sterile unipack syringe and a 21 G needle.