

AIMGA Capsules

(Gabapentin)

ایمگا کپسولز
(گاباپینٹین)

COMPOSITION:

Aimga 100: Each capsule contains: Gabapentin 100mg

Aimga 300: Each capsule contains: Gabapentin 300mg

Aimga 400: Each capsule contains: Gabapentin 400mg

PHARMACOLOGICAL ACTION:

Mechanism of Action:

Gabapentin is related to the neurotransmitter GABA (gamma-aminobutyric acid). Gabapentin has proven affinity for special sites in brain tissues. Though the exact mechanism of its CNS depressant and anticonvulsant activity is not fully understood, it is thought to be active through peptide-binding sites (receptors).

Pharmacokinetics and Metabolism:

Gabapentin achieves peak plasma concentration within 2-3 hours. Absolute bioavailability of 300mg is affected by food.

Distribution:

Gabapentin is not bound to plasma proteins and has an apparent volume of distribution of 57, 7 liters. In patients with epilepsy, its concentrations in CSF ranged from 8-34% of corresponding steady-state trough plasma concentrations.

Excretion:

Gabapentin elimination rate, plasma clearance and half-life are dependent on creatinine clearance as it is exclusively removed by renal excretion. Its metabolism is not affected by liver enzyme system.

INDICATIONS:

There are many evolving indications of Gabapentin under trial. Its main indications are for the treatment of neuropathic pain and epilepsy.

1) Neuropathic Pain: Neuropathic pain is pain due to diseases involving the nervous system. Various different diseases such as diabetes, shingles, nerve injury and other diseases affecting the nervous system cause it. Aimga is effective in various types of neuropathic pain.

Aimga is recommended in neuropathic pain of

- a) Peripheral Diabetic Neuropathies,
- b) Trigeminal Neuralgia,
- c) Post herpetic neuralgia (Shingles)

2) Epilepsy:

Aimga is used to treat various forms of epilepsy. It is effective as adjunctive therapy with other anti-epileptic drugs in patients who have shown no or poor response in achieving seizure control. Aimga is effective in controlling both simple and complex partial seizures with or without secondary generalized tonic clonic seizures. Aimga (Gabapentin) studies are in progress to establish its efficacy in generalized tonic the treatment of, Restless leg syndrome, Depression, Manic disorders, Unspecified Headache and Migraine.

CONTRA-INDICATIONS:

Aimga is contra-indicated in patients who are hypersensitive to gabapentin.

Enough data is not available for its safety in children, during pregnancy and lactation. Caution should be exercised in renal compromised patients.

DOSAGE AND DIRECTIONS FOR USE:

1. Adults & children over 12 years:

Usual effective dose: 900-1800mg/day in 2-3 divided doses. Care should be taken to avoid a

period of more than 12 hours between two doses.

In certain patients, such as elderly patients, it may be preferable to up titrate the dose up to an effective level.

A suggested schedule is to start with 100 mg at night and increase with 100 mg per day up to 600 mg in 2-3 divided doses. Further increase can be made depending on patients' response.

2. Paediatric use:

Safety and effectiveness of Gabapentin in children under 12 years have not been established. However, physicians can decide to prescribe taking into account the necessity and safety issues.

3. Elderly:

When prescribing Gabapentin to elderly patients (> 65 years), careful monitoring should be carried out for adverse events. Older patient may require dosage adjustment depending on their baseline renal functions (creatinine clearance).

Side effects

Common Side Effects

These are usually mild and often improve over time:

Dizziness, Drowsiness or fatigue, Coordination problems (ataxia), Swelling in the hands or feet (edema), Blurred or double vision, Tremors, Weight gain, Dry mouth

Special Precaution

Pregnancy and Breastfeeding: Use only if clearly needed and prescribed; gabapentin may pose risks to the fetus or nursing infant.

Kidney Function: Gabapentin is eliminated through the kidneys, so dose adjustments may be needed in people with kidney problem.

Packing:

Aimga 100mg=10x1s Cap/pack

Aimga 300mg=10x1s Cap/pack

Aimga 400mg=10x1s Cap/pack

PRECAUTION:

- Use as prescribed by the physician.
- Keep out of the reach of children.
- Store at room temperature.
- Protect from direct sunlight, heat & moisture.

ہدایات:

دواڈاکٹر کی ہدایت کے مطابق استعمال کریں۔

بچوں کی پہنچ سے دور رکھیں۔

گرمی اور حرارت سے محفوظ رکھیں۔

سورج کی روشنی، گرمی اور نمی سے محفوظ رکھیں۔



Manufactured by:

Aims Pharmaceuticals

Plot # 291, Industrial Triangle
Kahuta Road, Islamabad - Pakistan.
www.aimspharmaeuticals.com