



**MEDLEY PHARMACEUTICALS**

## **GABAPENTIN:(GABAMED CAPSULE 300MG)**

### **Composition:**

Each capsule contain Gabapentin 300mg.

### **Mechanism of action:**

The mechanism of action by which Gabapentin exert its analgesic action is unknown, but does have properties in common with other anticonvulsants, although structurally related to GABA, it does not interact with GABA receptors.

### **Pharmacokinetic properties:**

Metabolism: Gabapentin is not appreciably metabolized in human.

Absorption and Bioavailability: On Oral administration the absorption is 50% to 60%. Bioavailability is not dose proportional, e.g. dose is increased the bioavailability will decreased.

Distribution: Less than 3% is bound to plasma protein. Vd: 0.6—0.8 L/kg. Half-life: 5—7hrs.

Elimination : Renal, 56% to 80% as unchanged drug.

### **Indications:**

For neuropathic pain and also for adjunct treatment of partial seizures with and without secondarily generalized seizures in adults with epilepsy.

### **Contraindications:**

Hypersensitivity to Gabapentin or its ingredients.

### **Side effects:**

Somnolence, dizziness, ataxia, fatigue, peripheral edema, nervousness, amnesia, depression, abnormal coordination, dysarthria, abnormal thinking, twitching, pruritus, dyspepsia, xerostomia, dry throat, constipation, appetite stimulation(weight gain).

**Pregnancy:** Pregnancy risk factor C.

### **Drug interactions:**

Gabapentin does not modify plasma concentrations of standard anticonvulsant medications (i.e. valproic acid, carbamazepine, phenytoin, or Phenobarbital). Antacids reduce the bioavailability of Gabapentin. Cimetidine may decrease clearance of Gabapentin; it may decrease  $C_{max}$  of norethindrone.

**Dosage:** Initial: 300mg three times/day, if necessary the dose may be increased using 300mg to 400mg capsule three times/day up to 1800mg/day. Total daily dosage range: 900- 1800mg/day administered in three divided doses.



Manufactured by:  
ISO 9001-2008 Certified Company  
**Medley Pharmaceuticals**  
41-A, P.S.I.E. Jhang Bahtar Road,  
Wah Cantt- Rawalpindi