

Carbamazepine

【OCARP】Carpine® 200mg/Tab

ATC Code : N03AF01

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適應症：癲癇大發作、精神運動發作、混合型發作、癲癇性格及附隨癲癇之精神障礙、三叉神經痛、腎原性糖尿病尿崩症。

藥理分類：Anticonvulsant, Miscellaneous.

用法用量：**Administration:** Should be taken with food.

Indications and dosage regimens:

Seizure disorders:

— Adults

Initial, 200 mg BID on the first day, may increase dosage by 200 mg/day at weekly intervals (usual MAX dosage: 1000 mg/day in children 12-15 yrs, 1200 mg/day in patients above 15 yrs, and up to 1600 mg/day in adults).

Maintenance, adjust to the minimum effective level, usually 800-1200 mg/day.

— Pediatric patients

Up to 6 yrs:

Initial, 10-20 mg/kg/day in 2-3 divided doses, may increase dosage by 100 mg/day at weekly intervals as needed.

Maintenance, < 35 mg/kg/day in 3 or 4 divided doses.

6-12 yrs:

Initial, 100 mg BID on the first day, may increase dosage by 100 mg/day at weekly intervals as needed.

Maintenance, adjust to the minimum effective dosage, usually 400-800 mg/day, MAX 1 g/day.

Trigeminal neuralgia:

— **Initial**, 100 mg Q12H, may increase by 200 mg/day (divided into 2 doses) as needed (MAX 1200 mg/day).

— **Maintenance**, 400-800 mg/day (range 200-1200 mg/day); at least once every 3 months, make attempts to decrease dosage to the minimum effective level or to discontinue.

Bipolar disorder:

200-600 mg/day in 3-4 divided doses, may increase dosage gradually at weekly intervals up to a MAX of 1600 mg/day as needed.

Diabetes insipidus, Central or partial:

300-600 mg/day if used as sole therapy; OR

200-400 mg/day if used concurrently with other antidiuretic agents.

不良反應：噁心、嘔吐、沒胃口、頭暈、視線模糊、嗜睡、動作不協調、言語不清、口乾，過敏，白血球降低等。

交互作用：

1. **MAO 抑制劑或三環類抗抑鬱劑**：毒性會增加。
2. **Macrolides** (Clarithromycin, Troleandomycin, Erythromycin)：↑ exposure of carbamazepine; ↓ exposure of macrolides.
4. **Terfenadine**：↑ carbamazepine exposure and risk for toxicity and ↓ terfenadine exposure and potential loss of efficacy.
5. **Vemlidy®** (Tenofovir Alafenamide)：↓ tenofovir alafenamide exposure, loss of therapeutic effect, and increased risk for resistance .
6. **Voriconazole**: reduced systemic exposure to voriconazole.

- 注意事項：
- 1.本劑使用期間，應監測血中藥物濃度 therapeutic range: 4-12 mcg/mL。
 - 2.本劑禁用於對三環抗憂鬱劑過敏、房室阻斷、有骨髓機能降低病史、或急性 porphyria 之患者。
 - 3.用藥期間如出現喉嚨痛、嘴巴破、眼睛癢、皮膚紅疹等,應立即停藥並回診。
 - 4.用藥期間避免食用葡萄柚(汁)。

- 懷 孕 期：
- 1.須先衡量利弊之後才用於懷孕婦女，尤其是懷孕前三個月。
 2. Carbamazepine and its active metabolite cross the placenta.
 3. Carbamazepine may be associated with teratogenic effects, including spina bifida, craniofacial defects, and cardiovascular malformations.
 4. Therapeutic drug monitoring of carbamazepine is recommended in pregnant women (Harden 2009; Hiemke 2018).
 5. Carbamazepine is not recommended for the treatment of bipolar disorder in pregnancy (Larsen 2015).

- 授 乳 期：
1. Carbamazepine 會分泌至乳汁。接受本藥治療期間，須先衡量利弊之後才用於哺乳婦女。
 2. the decision to continue or discontinue breastfeeding during therapy should take into account the risk of exposure to the infant and the benefits of treatment to the mother.
 3. The WHO considers carbamazepine to be compatible with breastfeeding; infants should be monitored for adverse events (WHO 2002). When used for the treatment of bipolar disorder, carbamazepine is considered acceptable for use in breastfeeding women (Larsen 2015).

- 使用規定：
- 1、新病患：使用前應先檢查病患 IC 健保卡是否已註記曾檢測帶有 HLA-B 1502 基因，檢測結果陽性者，不得開立 carbamazepine 成分藥品之處方。且應先詢問病患是否對該藥品有過敏病史，若為不確認者或未檢測者，宜先行作 HLA-B 1502 基因檢測。
 - 2、舊病患：若病患已服用 4 個月以上，可依病情繼續處方治療，但仍需提醒病患注意喉嚨痛、嘴巴破或皮膚症狀（如分散的斑點或斑丘疹症狀）等類似 Steven-Johnson 症候群症狀之發生。
 - 3、醫師為病患處方使用 carbamazepine 成分藥品，以日劑藥費申報者，應依規定詳實申報處方明細。