

## Dose

### Note

Prescriptions for fosphenytoin sodium should state the dose in terms of phenytoin sodium equivalent (PE);  
fosphenytoin sodium 1.5 mg  $\equiv$  phenytoin sodium 1 mg

- Status epilepticus, by intravenous infusion (at a rate of 100–150 mg(PE)/minute), initially 20 mg(PE)/kg then by intravenous infusion (at a rate of 50–100 mg(PE)/minute), 4–5 mg(PE)/kg daily in 1–2 divided doses, dose adjusted according to response and trough plasma-phenytoin concentration

CHILD 5 years and over, by intravenous infusion (at a rate of 2–3 mg(PE)/kg/minute), initially 20 mg(PE)/kg then by intravenous infusion (at a rate of 1–2 mg(PE)/kg/minute), 4–5 mg(PE)/kg daily in 1–4 divided doses, dose adjusted according to response and trough plasma-phenytoin concentration

- Prophylaxis or treatment of seizures associated with neurosurgery or head injury, by intramuscular injection or by intravenous infusion (at a rate of 50–100 mg(PE)/minute), initially 10–15 mg(PE)/kg then by intramuscular injection or by intravenous infusion (at a rate of 50–100 mg(PE)/minute), 4–5 mg(PE)/kg daily (in 1–2 divided doses), dose adjusted according to response and trough plasma-phenytoin concentration

CHILD 5 years and over, by intravenous infusion (at a rate of 1–2 mg(PE)/kg/minute), initially 10–15 mg(PE)/kg then 4–5 mg(PE)/kg daily in 1–4 divided doses, dose adjusted according to response and trough plasma-phenytoin concentration

- Temporary substitution for oral phenytoin, by intramuscular injection or by intravenous infusion (at a rate of 50–100 mg(PE)/minute), same dose and dosing frequency as oral phenytoin therapy; CHILD 5 years and over, by intravenous infusion (at a rate of 1–2 mg(PE)/kg/minute, max. 100 mg(PE)/minute), same dose and dosing frequency as oral phenytoin therapy

### Note

**ELDERLY** consider 10–25% reduction in dose or infusion rate

### Note

Fosphenytoin sodium doses in BNF may differ from those in product literature

## Sub-sections

### ► Pro-Epanutin® (Pfizer) PoM

**Injection**, fosphenytoin sodium 75 mg/mL (equivalent to phenytoin sodium 50 mg/mL), net price 10-mL vial = £40.00

**Electrolytes phosphate** 3.7 micromol/mg fosphenytoin sodium (phosphate 5.6 micromol/mg phenytoin sodium)