

Pediatric Seizures and SE: Emergency Drugs page 1 of 2
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Diazepam

IV 0.1-0.2 mg/kg per dose 10 kg = 1-2 mg

PR 0.5 mg/kg per dose 10 kg = 5 mg

Diazepam Rectal Gel

PR 0.5 mg/kg per dose 10 kg = 5 mg

Lorazepam

IV 0.05-0.1 mg/kg per dose 10 kg = 0.5-1 mg

Midazolam

IV 0.05-0.1 mg/kg per dose 10 kg = 0.5-1 mg

IM 0.08-0.2 mg/kg per dose 10 kg = 0.8-2 mg

Buccal, intra-nasal 0.2 mg/kg per dose 10 kg = 2 mg

Fosphenytoin

IV 20 mg PE/kg x 1.5 doses 10 kg = 200 mg

Rate up to 2 mg/kg/min 10 kg = 20 mg/min

10 min load in a 10 kg child

For each 1 mg/kg given, level goes up 1 microgr/ml

Therapeutic level = 10-20 microgr/ml

IM Same dose. May be given in 1-4 IM injections.

Valproate

IV 10-30 mg/kg 10 kg = 100-300 mg
Rate up to 3 mg/kg/min 10 kg = 30 mg/min
5-10 min load in a 10 kg child
300 mg/min max infusion rate
For each 1 mg/kg given, level goes up 5 microgr/ml
Therapeutic level = 50-150 microgr/ml

Phenobarbital

IV 15-25 mg/kg 10 kg = 150-250 mg
Rate up to 1 mg/kg/min 10 kg = 10 mg/min
15-25 minute load in a 10 kg child
30 mg/min max infusion rate
Therapeutic level = 15-40 microgr/ml

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