

NEONATAL MEDICATION PROTOCOLS

CLONAZEPAM
Created by: NCCU
Date for review: Aug 2016

NCCU Clinical Guidelines
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DRUG:	CLONAZEPAM
PRESENTATION:	Oral: Drops 2.5mg/mL (1 drop = 100 microgram) Ampoule: 1mg/mL
ACTION & INDICATION:	Benzodiazepine anticonvulsant for status epilepticus and all forms of epilepsy
DOSE:	Initial dose: 100-250 microgram (<u>NOT</u> per kg) Repeat if necessary in one hour Maintenance dose: 10 microgram/kg/dose every 8 hours. Maintenance dose may be increased every third day to a maximum of 200microgram/kg/day Infusion Dose: 10 micrograms /kg/hour, adjusted according to response to a maximum dose of 60 micrograms/kg/hour.
PREPARATION:	<u>Intravenous:</u> Do not use diluent supplied by manufacturer. Dilute ampoule to 10mL with Water for Injections = 1000 microgram/10mL = 100 microgram/mL <u>Infusion:</u> Dilute 0.5mL (500micrograms) to 50mL with Glucose/Saline solutions =10 microgram/mL <u>Oral:</u> Doses less than 100 microgram must be diluted as follows: Take 0.1mL of oral drops and dilute to 1mL = 250 microgram/mL = 25 microgram/0.1mL of diluted solution
ADMINISTRATION:	Continuous infusion via syringe pump Intravenous: over 5 minutes Oral: May be given at any time with regard to feeds.
ADVERSE EFFECTS:	Clonazepam has a long half life and repeated dosing leads to accumulation. CNS and respiratory depression Behavioural changes – irritability. Salivary and bronchial hypersecretion May be absorbed onto infusion equipment
COMMENTS:	Discard intravenous preparations after 12 hours.
DRUG LEVELS:	Sampling time: midway between doses Therapeutic range 20-70 microgram/L (60 to 150nanomol/L) Time to reach steady state – 1 week
REFERENCES:	Pediatric Dosage Handbook 17 th Ed BNF for Children 2013
DATE:	August 2013