

NEONATAL SEIZURES

Initial Management

Oxygen and monitoring
Check and correct blood sugar
Consider CFAM (don't delay treatment)



Is this a seizure?

Subtle: eye fluttering/deviation, stare, chewing/cycling/boxing
Clonic: rhythmic jerking (focal or generalised)
Myoclonic
Tonic: Extension with pronation of arms and fists clenched
Stops with restraint? Associated autonomic change?



Assessment

Full neurological examination: inc birth injuries
Urgent Tests: Glucose, gas, U+Es, Ca²⁺, Mg, Blood culture, CFAM/EEG
Further investigations: according to history - refer to guideline



Treatment

Treat seizures occurring ≥ 3 times per hour or lasting >2 minutes
Remember loading doses
See overleaf for flowchart - refer guideline for full details
Consider cooling? Consider antibiotics/aciclovir? Treat electrolyte and glucose abnormalities
(see full guideline for further reference)

Medical Treatment for Neonatal Seizures

