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Management of Status Epilepticus

Standard Operating Procedure (SOP)



Union of Myanmar Special region - 1
Pediatric (SOP)

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Union of Myanmar Special region - 1
Pediatric (SOP)

Management of Status Epilepticus

Conventional Definition of Status Epilepticus (SE)

- *A prolonged seizure lasting >30 minutes or*
- *Recurrent seizures occurring over a 30-minute period without recovery of consciousness between each episode*

Working Definition

Any seizure >5 minutes (unlikely to abort spontaneously, and should be treated aggressively)

The goals in the management of active seizures are:

- *To maintain vital functions whilst stopping the seizure and*
- *To identify and treat the underlying cause*

Close observation of vital signs is essential and monitoring of oxygen saturation is highly recommended where available.

Common underlying causes like CNS infection, encephalopathy, electrolyte disturbances e.g. hyponatremia, hypernatremia and underlying epilepsy should be searched and treated accordingly.

Following investigations are useful:

- *Septic screen*
- *U&E*
- *RBS*
- *LET*
- *Lumbar puncture if no signs and symptoms of raised ICP and GCS >12*

Drug Preparations (See Page-201 Algorithm for Treatment of Active Seizures)

Lorazepam

- *For intravenous injection, dilute with an equal volume of Sodium Chloride 0.9% or Water for Injections (for neonates, dilute injection solution to a concentration of 100 micrograms/mL); give slowly into a large vein at a rate not exceeding 50 µg/kg over 3-5 minutes.*

Midazolam

- *For intravenous injection, dilute with Glucose 5% or Sodium Chloride 0.9%*

Diazepam

- *For intravenous infusion, dilute with Glucose 5% or Sodium Chloride 0.9% to a concentration of not more than 10 mg in 200 ml, maximum 6 hours between addition and completion of administration*

Thiopentone

- For intravenous injection, dilute to a concentration of 25 mg/mL with Water for injections, and give over at least 10-15 seconds
- For intravenous infusion dilute to a concentration of 2.5 mg/mL with Sodium Chloride 0.9%

