

ADULT CONVULSIVE STATUS EPILEPTICUS PROTOCOL

This protocol is appropriate for Convulsive Status epilepticus defined by convulsions lasting > 5 min, or multiple seizures in 30 min without return to baseline with another convulsive seizure in ED. **This protocol does not apply to patients in focal status epilepticus with conserved mentation or one seizure lasting < 5 min.**

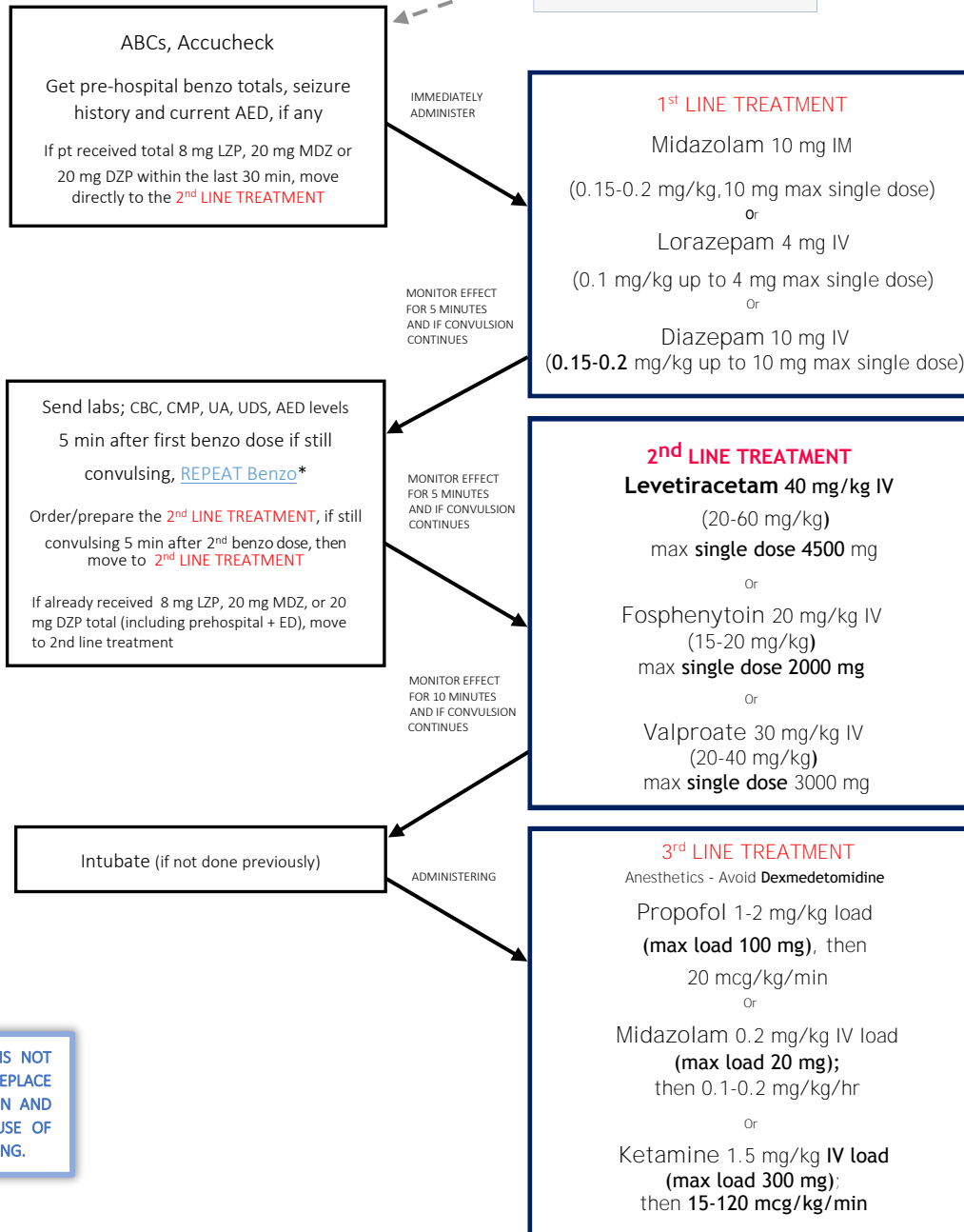
CONSIDER ABCs AT EACH STEP OF THE PROCESS; INTUBATE IF PATIENT IS EXHIBITING ANY SIGNS OF AIRWAY COMPROMISE, BUT AVOID PREEMPTIVE OR PROPHYLACTIC INTUBATION. POST-ICTAL CONFUSION IS NOT AN INDICATION FOR INTUBATION

Pre-Hospital Treatment

ABCs, call EMS, & administer one benzo dose from below options

Midazolam 10 mg IM /
Lorazepam 4 mg IV/
Diazepam 10 mg IV

And transfer to ER immediately



THIS PROTOCOL IS NOT INTENDED TO REPLACE INDIVIDUALIZATION AND THE JUDICIOUS USE OF CLINICAL REASONING.

1. Brigo F, Nardone R, Tezzon F, Trinka E. Nonintravenous midazolam versus intravenous or rectal diazepam for the treatment of early status epilepticus: a systematic review with meta-analysis. *Epilepsy Behav* 2015;49:325–36.
2. Brigo F, Bragazzi NL, Bacigaluppi S, Nardone R, Trinka E. Is intravenous lorazepam really more effective and safe than intravenous diazepam as first-line treatment for convulsive status epilepticus? A systematic review with meta-analysis of randomized controlled trials. *Epilepsy Behav*: E&B 2016;64(October (Pt A)):29–36
3. Arya R, Kothari H, Zhang Z, Han B, Horn PS, Glauser TA. Efficacy of nonvenous medications for acute convulsive seizures: a network meta-analysis. *Neurology* 2015;85:1859–68.
4. Brogny GM, Bell R, Claassen J, Alldredge B, Bleck TP, Glauser T, et al. Neurocritical care society status epilepticus guideline writing committee: guidelines for the evaluation and management of status epilepticus. *Neurocrit Care* 2012;17:323.
5. Yasiry Z, Shorvon S. The relative effectiveness of five antiepileptic drugs in treatment of benzodiazepine-resistant onvulsive status epilepticus: a metaanalysis of published studies. *Seizure* 2014;23:167–74.
6. Mundlamuri RC, Sinha S, Subbakrishna DK, Prathyusha PV, Nagappa M, Bindu PS, et al. Management of generalised onvulsive status epilepticus (SE): a prospective randomised controlled study of combined treatment with intravenous lorazepam with either phenytoin, sodium valproate or levetiracetam – Pilot study. *Epilepsy Res* 2015;114:52–8.7. Au CC, Branco RG, Tasker RC. Management protocols for status epilepticus in the pediatric emergency room: systematic review article. *J Pediatr (Rio J)*. 2017.
7. Gaspard et. Al. Intravenous ketamine for the treatment of refractory status epilepticus: A retrospective multicenter study. *Epilepsia*, 54(8):1498–1503, 2013.