



Seizure

Midazolam 0.2 mg/kg IV/IO
 Max single dose 10 mg

Fixed dose IM administration:
 10 mg for >40 kg, 5 mg for 13-40 kg

Peds: 0.2 mg/kg IV/IO
Max single dose 10 mg

Fixed dose IM administration:
10 mg for >40 kg, 5 mg for 13-40 kg

Weight-based IM administration: 0.2 mg/kg for <13 kg
Max single dose 10 mg

Return or refractory seizure

Continue midazolam PRN
 and
 Levetiracetam load: 60 mg/kg IV/IO over 2 mins
 Max 4.5 g

Peds: 60 mg/kg IV/IO over 2 mins
Max 4.5 g

Ketamine 1 mg/kg IV/IO. May repeat once Q 15 min

This guideline does not substitute for sound clinical judgment.

Approved by: Nick Lehoullier 11/14/2025 | 9:26:28 AM CST
 Nick Lehoullier, RN, Chief Flight Nurse

Signed by: William B. Weir 11/14/2025 | 9:52:16 AM CST
 William B. Weir, MD, Medical Director

Reviewed 11/6/25 Revised 11/6/25 Posted 11/26/25 Standards and Practice Committee

References:

https://www.uptodate.com/contents/convulsive-status-epilepticus-in-adults-management?search=treatment%20of%20status%20epilepticus%20is%20adults%20and%20children&source=search_result&selectedTitle=1%7E150&usage_type=default&display_rank=1#H2329061432

https://www.uptodate.com/contents/management-of-convulsive-status-epilepticus-in-children?search=treatment%20of%20status%20epilepticus%20is%20adults%20and%20children&source=search_result&selectedTitle=3%7E150&usage_type=default&display_rank=3#H3509009431

Glauser, Tracy, et al. "Evidence-Based Guideline: Treatment of Convulsive Status Epilepticus in Children and Adults: Report of the Guideline Committee of the American Epilepsy Society." *Epilepsy Currents*, vol. 16, no. 1, Jan. 2016, pp. 48–61. <https://doi.org/10.5698/1535-7597-16.1.48>.