



Study Drug Dose Administration Chart

KESETT study drug must be administered IV over 5 minutes by **weight-based dosing only.**

The 3 study drug formulations are pre-randomized and identical in appearance, concentration, and dosing.

Vial to use	Known or est. weight (kg)	Total infusion volume (mL) over 5 min	Infusion rate mL/hr for 5 min	Length based est. color (Peds only)
Purple label	<10	do not enroll	do not enroll	Grey
				Pink
				Red
	10 to <12.5	11	132	Purple
	12.5 to <15	13	156	Yellow
	15 to <20	17	204	White
	20 to <25	22	264	Blue
White label	25 to <30	27	324	Orange
	30 to <35	32	384	Green
	35 to <40	37	444	
	40 to <50	45	540	
	50 to <60	55	660	
	60 to <70	65	780	
	≥ 70	75	900	
	Weight (kg)	mL	mL/hr	

Inclusion Criteria

1. The patient was witnessed to have a convulsive seizure for greater than 5-minute duration.
2. The patient received an adequate dose of benzodiazepines. The doses may be divided.
3. The last dose of a benzodiazepine was administered 5-30 minutes before study drug administration.
4. Continued or recurring seizures in the Emergency Department.
5. Age 1 year or older.
6. Known or estimated weight ≥ 10 kg.

Exclusion Criteria

1. Known pregnancy (lab testing not indicated for screening)
2. Prisoner.
3. Opt-out identification or otherwise known to be previously enrolled in KESETT.
4. Treatment with a second line anticonvulsant (FOS, PHT, VPA, LEV, phenobarbital, or other agents defined in the MoP) for this episode of status epilepticus (SE).
5. Treatment with sedatives with anticonvulsant properties other than benzodiazepines for this episode of SE (propofol, etomidate, ketamine, or other agents defined in the MoP).
6. Endotracheal intubation prior to enrollment.
7. Acute traumatic brain injury clearly precedes seizures.
8. Scalp injury or burn preventing EEG placement.
9. Known allergy or other known contraindication to KET or LEV.
10. Hypoglycemia < 50 mg/dL
11. Hyperglycemia > 400 mg/dL
12. Cardiac arrest / post-anoxic seizures

Link to website with protocol & MoP



Enrollment flow chart and other information can be found with study kit/study EEG supplies.