

KD Treatment for Super-refractory Status Epilepticus

NCT07496749

Status	RECRUITING
Phase	Not Applicable
Sponsor	Xuanwu Hospital, Beijing
Enrollment	84 participants

Key Eligibility Criteria

Inclusion (1)

- (1) Patients diagnosed with super-refractory status epilepticus (SRSE), in whom status epilepticus (SE) persists or recurs after the initial treatment for SE-including intravenous benzodiazepines, an anti-seizure medication (ASM, such as valproate, levetiracetam, or phenobarbital), and an anesthetic (e.g., propofol) administered continuously for 24 hours-fails to terminate the episode, or when SE recurs upon reduction of the anesthetic;(2) Age between 14 and 80 years, regardless of gender;(3) The patient's legal guardian has provided signed informed consent

Exclusion (1)

- Patients with lipid metabolism disorders, including defects in fatty acid transport and beta-oxidation, such as carnitine deficiency (primary) and carnitine-related enzyme deficiencies (including carnitine palmitoyltransferase [CPT] I and II deficiency, carnitine translocase deficiency), fatty acid oxidation disorders (including beta-oxidation defects), short-chain acyl-CoA dehydrogenase deficiency (SCAD), medium-chain acyl-CoA dehydrogenase deficiency (MCAD), long-chain acyl-CoA dehydrogenase deficiency (LCAD), long-chain 3-hydroxyacyl-CoA dehydrogenase deficiency, medium-chain 3-hydroxyacyl-CoA dehydrogenase deficiency, pyruvate carboxylase deficiency, and porphyria. 2 Intolerance to enteral feeding (e.g., intestinal obstruction); 3 Receipt of propofol infusion within 24 hours; 4 Hemodynamic instability (systolic blood pressure <90 mmHg or diastolic blood pressure <60 mmHg, requiring high-dose vasopressors for maintenance); 5 Liver failure (aspartate aminotransferase [AST], alanine aminotransferase [ALT], blood ammonia >5 times the upper limit of normal; total bilirubin >10 g/dL [$171 \mu\text{mol/L}$]); 6 Pancreatitis; 7 Pregnancy; 8 Metabolic instability (blood glucose <3.1 mmol/L, arterial blood pH <7.2 , serum sodium <120 or >160 mmol/L); 9 Complicated by sepsis; 10 Complicated by diabetes insipidus; 11 Status epilepticus caused by hypoxic-ischemic brain injury.

Locations (15 total)

The First Affiliated Hospital of Anhui Medical University, Hefei, Anhui, China
Department of Neurology, Xuanwu Hospital Capital Medical University, Beijing, Beijing Municipality, China
Fujian Medical University Union Hospital, Fuzhou, Fujian, China
... and 12 more locations

<https://clinicaltrials.gov/study/NCT07496749>

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