

Brain Metabolism Observed at 7 Tesla

NCT05085704

Status	RECRUITING
Sponsor	University of Texas Southwestern Medical Center
Enrollment	20 participants

Key Eligibility Criteria

Inclusion (3)

- Adolescents and adults with previously documented diagnosis of Glut1 Deficiency with diagnosis genetically confirmed or confirmed by PET scan of the brain.
- Ages 16 to 65
- Persons with dental fillings, dental crowns, and short (max.4 cm) dental retainer wires can be included.

Exclusion (7)

- People or patients with uncontrolled seizure disorder, defined as grand mal (not absence) seizure in the preceding 3 months.
- Pregnant females will be excluded. A serum or urine pregnancy test will be administered to all females of child bearing potential within 24 hours of administration of the tracer and MRI scan. The pregnancy test will be communicated in person by the study PI. Positive results in subjects 17 years old or younger will be disclosed to parent/guardian only.
- Subjects with typical implanted orthopedic metal in bone may be considered for inclusion in a 7T scan providing the implant is not within the volume of the radio frequency coil. The PI and the AIRC Medical Director will discuss each case and determine eligibility.
- Persons with ICD, pacemakers, neurostimulators and other such devices will be excluded.
- Persons with claustrophobia are excluded.

... and 2 more (see full listing online)

Locations (1 total)

UT Southwestern Medical Center, Dallas, Texas, United States