

Liraglutide Treatment in Patients With Maturity-onset Diabetes of the Young (MODY)

Status: RECRUITING

Eligibility Criteria

Sex: ALL

Age: 10 years and over

Healthy Volunteers: This study is NOT accepting healthy volunteers

Inclusion Criteria:

- Diagnosis of MODY via genetic testing
- HgbA1c >6.5%

Exclusion Criteria:

- History of anaphylaxis to GLP-1 receptor agonists
- Already taking GLP-1 receptor agonists
- on medications within the stimulant class
- have had bariatric surgery
- personal or family history of cancer, especially medullary thyroid cancer
- personal history of pancreatitis or pathogenic variants associated with increased risk of pancreatitis
- known active kidney disease
- severe hypoglycemia (glucose < 50 mg/dL) within 3 months of study enrollment
- HbA1c > 10.0%
- episode of diabetic ketoacidosis (DKA) in the past 3 months
- are currently pregnant
- BMI < 18.5 kg/m² and pediatric patients with BMI < 5th percentile

Conditions & Interventions

Interventions:

DRUG: Liraglutide

Conditions:

Maturity Onset Diabetes of the Young

More Information

Description:

The reason for this research study is to better understand the use of liraglutide, a commonly prescribed Type 2 diabetes medication, in patients with a diagnosis of maturity-onset diabetes of the young (MODY). The investigators are interested in better understanding the way that this drug affects the metabolism and hormone levels of a person with MODY. Many people with MODY report having gastrointestinal (GI) issues such as an upset stomach. Investigators also are interested in finding out if this drug will help with GI issues. If liraglutide does help with this symptom of MODY, the investigators want to know why this happens. If this drug is effective for participants, the investigators will use participants cells to make human induced pluripotent stem cell (iPSC). This means that the investigators will use participant cells to create what are called stem cells, which are cells in the body that are able to be told what their job is. Investigators will use these cells to see what happens in gastrointestinal (GI) tract.

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Principal Investigator ID:

Phase: PHASE2

IRB Number:

System ID: NCT07029009

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