Insulin-Mediated Glucose Uptake and Organ Perfusion Assessed by Total-Body PET During GIP and GLP-1 Infusion

NCT07398300

Status	RECRUITING
Phase	Not Applicable
Sponsor	Rigshospitalet, Denmark
Enrollment	36 participants

Plain Language Summary

This study is using a full-body PET scan (a type of medical imaging that shows metabolic activity throughout the body) to look at how two gut hormones — GIP and GLP-1, which are involved in blood sugar control — affect how the body uses glucose (sugar) and how blood flows to different organs. This research may help scientists better understand type 2 diabetes and how drugs like Ozempic work.

You may be eligible if...
- You are between 23 and 64 years old (exact range depends on which sub-study you join)
- You are either a healthy adult with a normal BMI and blood sugar, OR you have been diagnosed with type 2 diabetes managed with metformin only
- You are able to give informed consent

You may NOT be eligible if...
- You have significant heart, liver, kidney, or thyroid disease
- You smoke or use tobacco products
- You are pregnant or breastfeeding
- You have claustrophobia or cannot tolerate PET scanning procedures
- You have a BMI outside the specified range for your sub-study

Talk to your doctor to see if this trial is right for you.

Key Eligibility Criteria

Inclusion (15)

- Sub-study 1 (Healthy individuals):
- Age 23-50 years
- BMI 20.0-26.9 kg/m²
- HbA1c \< 42 mmol/mol
- Able to provide informed consent

... and 10 more (see full listing online)

Exclusion (13)

- Anaemia (haemoglobin below normal range)
- ALT \> 2× upper normal limit or any known hepatobiliary or gastrointestinal disorder
- Kidney disease (creatinine above normal range)
- Previous gastric or intestinal resection (except appendectomy or cholecystectomy) or major abdominal surgery (including bariatric surgery)
- For Sub-study 1: Type 1 or type 2 diabetes or HbA1c ≥ 42 mmol/mol

... and 8 more (see full listing online)

DISCLAIMER: This document is for informational purposes only and does not constitute medical advice. Always consult your healthcare provider before enrolling in any clinical trial. Information may not be up to date — verify details at ClinicalTrials.gov. Generated by ClinicalTrialsFinder.org.

Locations (1 total)

Copenhagen University Hospital - Rigshospitalet, Copenhagen, Denmark

DISCLAIMER: This document is for informational purposes only and does not constitute medical advice. Always consult your healthcare provider before enrolling in any clinical trial. Information may not be up to date — verify details at ClinicalTrials.gov. Generated by ClinicalTrialsFinder.org.