

SERVICES

The Clinical Research Core offers clinical services for academic, public, and private research.

Consultation

- Study Design
- IRB Submission
- Subject Recruitment
- Telephone Screening
- Informed Consent

Nutrition Assessment

- Diet Recall
- Food Records

Diet Design

- Recipe Development
- Preparation of Meals

Clinical Services

- Anthropometric Measurements
- HbA1c Testing
- Medical Screening
- Phlebotomy
- Pregnancy Test
- Urine and Stool Collection
- Sample Processing



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Clinical Research Core

The Clinical Research Core (CRC) provides the clinical resources necessary to support exciting scientific discoveries in the area of precision nutrition.



SERVICES

Phlebotomy Services

Processing of samples includes centrifuging of blood, urine and other samples as needed for testing, shipping or to be stored.

Sample Handling and Shipping

Samples collected by investigators of HRC staff. Samples will be labeled, minimal processing as needed. Orders will be placed in the system and samples will be sent out to the appropriate lab for processing. HRC will collect and report results.

Consultation

Consultation for study design, IRB submission, subject recruitment, scheduling, telephone screening, informed consent and anthropometric measurements.

Metabolic Research Kitchen - Meal Prep

Design, prepare, serve or deliver meals with a safe, accurate and consistent approach.

Nutrition Assessment

Diet recall, food frequency questionnaire and food records.

Diet Design

Recipe development and meal design

Clinical Consultation

Consultation for study design, review of subject safety and standard of care, and on-going review of any suspected study side effects to include laboratory data or any other results obtained during study.

DXA

BodPod

Whole-Room Calorimeter

Items and services included in price: consenting of research subjects, monitoring, attire, supplies and technicians.

Fibroscan

Ultrasound

Urine (hCG) Pregnancy Test

Urine Dipstick

UA for clarity, color and 10 other parameters.



EQUIPMENT & SERVICES

The Human Research Core is equipped with the following general examination areas:

- General Exam Room (3)
- Dental Suite
- Consultation Room (2)
- Pharmacy
- Body Composition Laboratory
- Metabolic Chamber
- Phlebotomy Laboratory
- Sample Preparation & Analysis Laboratory

BODY COMPOSITION & IMAGING

HUMAN WHOLE-ROOM CALORIMETER

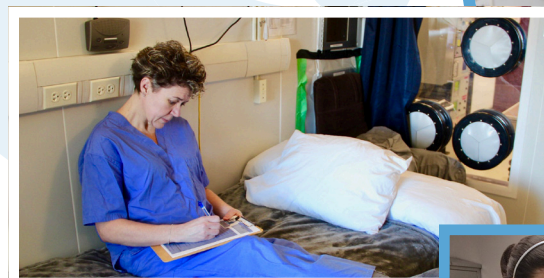
Our advanced research suite uses indirect calorimetry to evaluate a research participant's 24-hour energy balance (intake and expenditure). The suite is equipped with a bed, treadmill, bathroom, airlock chamber for entry of food, ports for blood draws and entertainment options. Data can be collected without interruption during meals, sleep and light activity. Monitoring, consenting, scrubs, supplies, technicians and analysis upon completion are included. The Whole-Room Calorimeter is essential for studies on energy balance and fuel use.

TRANSIENT ELASTOGRAPHY-FIBROSCAN® 502 TOUCH

Liver composition is measured by non-invasive elastography which provides important information for the assessment of liver health through the simultaneous assessment of liver stiffness and fat content (measured through ultrasound attenuation rate). The method has been optimized to achieve high reproducibility with the ability to detect small changes in liver fat content.

DUAL-ENERGY X-RAY ABSORPTIOMETRY (DXA 2023) (GE LUNAR iDXA)

The DXA provides precise measurements of total and regional body composition through high resolution imaging. The scan is noninvasive and exposes the research participant to very low radiation. The DXA can accommodate up to 450 pounds.



WHOLE-BODY DENSITOMETRY BODPOD®

The BOD POD® is the gold standard in body composition assessment. It is fast, accurate, noninvasive and accommodates a variety of populations across the lifespan. This equipment uses air displacement technology to determine body volume and density.

DENTAL CLINIC

Fully operational Dental Clinic with dental chair, water, air and vacuum. All necessary sterilization and ultra sonic equipment.



METABOLIC RESEARCH KITCHEN

Investigators work with a Registered Dietitian to design, prepare and serve precisely composed meals with a safe, accurate and consistent approach. The kitchen is equipped with commercial appliances and professional software.

SPECIMEN COLLECTION & PROCESSING

Our core has multiple phlebotomy stations for blood collection, and a room for urine and fecal collections. We process, store, and ship biospecimens to meet study demands.

