WHAT WE MEASURE

Healthspan-related outcomes

Primary measures

- Muscle strength, walking performance and muscle mass.
- Cognition, memory and mood.
- Immune and inflammatory markers, and circulating Klotho.

A broad assessment program

Extensive biomarker panel, microbiome testing and imaging.

Secondary measures

Vision, hearing, joint pain, sexual health, skin elasticity, hair density, sleep, stress, bladder health and exercise capacity.

Research outcomes are measured over time; individual results may vary.

RESEARCH & SAFETY

An informed, monitored approach

The study evaluates feasibility, safety and changes in healthspan-related outcomes. IRB approval supports research under the approved protocol; it does not constitute FDA approval of new treatment indications. Benefits are not established or guaranteed.

International interventions

Advanced interventions are investigational and require physician oversight, separate country-specific IRB approval and compliance with applicable local law. Availability varies by clinic.

Considering participation?

Ask your clinic study team about eligibility, the locally approved protocol, informed consent, risks, monitoring and which optional interventions are available.

LIONHEART
LONGEVITY & WELLNESS

LIONHEART
LONGEVITY & WELLNESS

KLOTHO-UP

Wellness Study

Lionheart Health

U.S. & International
Study Design

MUSCLE • BRAIN • IMMUNITY

12 months of coordinated wellness research

Learn about the core program, optional international arm and study assessments.

THE STUDY

12-month feasibility research

The Lionheart Klotho Wellness Study evaluates a combined approach to increasing circulating Klotho and supporting healthspan, with a primary focus on muscle function, cognitive performance and immune health.

Study design

• Open-label: participants and researchers know the interventions received.

• Non-randomized: assignment is not made by chance.

• Interventional feasibility study: examines practicality, safety and changes in measured outcomes.

Assessment schedule

BASELINE

3 MONTHS

6 MONTHS

12 MONTHS

U.S. CORE ARM

U.S. IRB approved

A coordinated bioelectric, exercise, nutrition and supplement program.

• Bioelectric neuromuscular stimulation and enhanced exercise, generally 2-3 sessions weekly.

• Klotho-promoting nutrition plus daily Rejuvant™, personalized SNIP Nutrition and Klotho-support supplements.

• Optional targeted bioelectric therapies for joint, sexual, skin, hair/scalp, gut, vision, hearing, bladder, kidney, blood pressure and inflammation health.

• Research peptides, including Klotho peptides, only as permitted by the approved protocol and applicable U.S. law, with separate participant consent.

Optional therapies and peptides follow the approved protocol, applicable law and required informed consent.

INTERNATIONAL ARM

Outside-U.S. advanced options

Combines the core program with physician-directed advanced interventions. Separate IRB approval is required in each OUS clinic country.

• Physician-directed AAV gene therapy targeting Klotho, hTERT and Follistatin.

• Personalized peptide longevity stack, including Klotho peptides, alongside bioelectric stimulation and lifestyle support.

• Optional Klotho and other exosomes; U.S.-sourced, pre-differentiated cell sources preferred.

• Optional umbilical cord stem cells, encapsulated MSCs and Klotho-expressing stem cells.

• Additional safety monitoring and local regulatory and ethics requirements apply.

All advanced options are subject to applicable local regulatory and ethics requirements.