IRB Review
IRB NUMBER: 23-132S-1
IRB APPROVAL DATE: 04/17/2026

Volunteers Needed for Research Study Looking at how an antioxidant supplement, called MitoQ, may improve vascular function in older adults

What is the Purpose of this study?

This research is being done to evaluate an antioxidant called MitoQ, to determine its effects on healthy aging.

Who is eligible to participate?

- Healthy Older adult age 65 years or older
- Older adults with frailty age 65 or older
- Older adults with mild cognitive impairment age 65 or older

Is compensation available?

• Yes, participants may receive up to $100 total for the study. Compensation at each visit will vary.

What is involved?

- ***Participants*** will have a total of 3 visits at UConn Health - Center of Aging over the course of 4 months. Each study visit will last approximately three hours.

What is involved?

- ***Participants*** will be asked to provide blood samples, complete questionnaires about health history and medication history, height and weight will be measured, ultrasound, cognitive function and physical performance measures will be collected.
- This research will administer an antioxidant supplement, called MitoQ, to see if this will improve vascular function in older adults. If you are eligible to participate, you will be randomly assigned to receive the MitoQ supplement or a placebo (A placebo looks exactly like the study drug, but it contains no active ingredient).
- You will be asked to take the study product for a total of 12 weeks.
- The study drug MitoQ used in the study is not approved by the U.S. Food and Drug Administration (FDA) for the uses being tested in this study. The uses in this study are considered "investigational." However, the FDA has allowed the use of MitoQ in this research study. MitoQ is uniquely designed antioxidant supplement, used to target cell stress and boost energy.

Call the UConn Center on Aging , 860-679-8936 to learn more

This study is funded by the NIH and Patterson Foundation grants. PI: Oh Sung Kwon, PhD

IRB# 23-132S-1 *"The Mito-Frail Trial: Effects of MitoQ on Vasodilation, Mobility and Cognitive Performance in Frail Older Adults."*