

The Role of Follicle-Stimulating Hormone (FSH) in Skeletal Muscle Loss Post-Menopause

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Public-facing abstract

Muscle loss after menopause is usually discussed through estrogen, but this project asks whether rising follicle-stimulating hormone also contributes. Using ovariectomized mice as a menopause model, the team compares untreated animals with animals receiving an FSH-blocking antibody, and also studies whether neuromuscular electrical stimulation can improve muscle quality. The practical stakes are high: if FSH helps drive post-menopausal muscle decline, clinicians may have a new target for protecting strength, mobility, and healthy aging.