



# Thumb Osteoarthritis Research Study

If you are between 40 to 85 years of age, you may be eligible to participate in a research study.

For more information, see the "Get Involved!" section of the Musculoskeletal Biomechanics Lab's Website <https://www.bme.ufl.edu/labs/nichols/get-involved/>

## Understanding symptoms in thumb osteoarthritis.

The purpose of this research study is to identify how muscle actions, joint movements, and nerve signals contribute to symptoms in thumb osteoarthritis.

Interested individuals may be eligible to participate in up to four study sessions. Scheduling is flexible.

Study participation will include:

- Recording muscle activity using surface & intramuscular electromyography (EMG)
- Measuring joint motion using motion capture
- Evaluating pain sensation through clinical surveys & quantitative sensory testing (QST)
- Imaging the hand using radiographs
- Imaging muscles using ultrasound

Participants will be compensated for each completed session.

Diagnosis of thumb osteoarthritis is **NOT** required.

### LOCATION

- Musculoskeletal Biomechanics Lab in the Engineering Building (1064 Center Drive)
- Orthopedic Sports Medicine Institute (3450 Hull Road)
- College of Dentistry (1395 Center Drive)

### ARE YOU ELIGIBLE?

- Age 40-85 years
- No neurological or musculoskeletal disorders
- No history of uncontrolled diabetes or uncontrolled autoimmune disease

**If you are interested in participating or have questions about the study, call or email a member of the study team:**

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*Lab hours are 9:00AM-5:00PM Monday-Friday.*



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