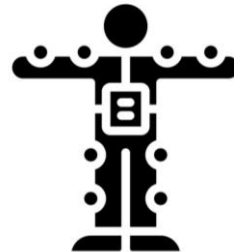


## Does Shoulder Pain Influence Muscle Health and Movement Quality



**Participants are needed to help explore if differences exist in upper body muscle quality and movements in older adults with and without shoulder pain.**

We will be recruiting participants who meet the following criteria:

- **Men and women, 55 years and older**
- Right hand dominant
- **Healthy and painful shoulders**
- *Cannot* have any metal in the body (metallic implants/clips)
- *Cannot* be pregnant

**This study will take approximately 3 hours at Sherman Health Science Research Centre at York University**

**For more information about participating**  
**Email: [sbou11@yorku.ca](mailto:sbou11@yorku.ca)**

York University Research Ethics Approval Certificate #: e2024-165

*The study leader is Stephen Boulanger, PhD candidate in Kinesiology and Health Science, supervised by Dr. Jaclyn Hurley.*