

**Do you have healthy knees and hips?  
Are you interested in assessing your walking gait,  
functionality, and muscle strength?**

The Department of Kinesiology and Rehabilitation Science at the University of Hawai'i Manoa is seeking volunteers to participate in a research study: *Risk Factors for Total Knee Arthroplasty Failure: A Longitudinal Investigation*

**Background Information**

The number of total knee arthroplasty (TKA) surgeries has been increasing dramatically. While TKA is a very successful surgical procedure for severe knee arthritis, the risk factors for failure are unknown. The purpose of this research is to investigate the possible risk factors for TKA failure in order to reduce such incidences in the future.

**What are the benefits for participants?**

You may not receive direct/immediate benefits. However, you will obtain information regarding your walking gait, functional activity capacity, hip muscular strength, and behavioral characteristics. The results of this study will help to maintain and optimize the beneficial effect of TKA.

**What is involved in the study?**

3 year follow up after initial session:

- Total of 8 data collection sessions over 3 years
- 60 min for each data collection session

Data to be collected:

- Walking gait
- Functional capacity
- Muscle strength
- Questionnaires

**Inclusionary criteria:**

- Free from knee and hip osteoarthritis
- No previous TKA or Total Hip Replacement
- No other injuries
- Adult under 85 years of age

**For more information contact:**

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