



### **Study to Compare a Self-Aligning Prosthetic Adapter in Transtibial Amputees**

Ability Prosthetics and Orthotics, Inc. is performing a research study to evaluate a self-aligning prosthetic adapter. The goal is to learn whether a recently developed adapter, from Impulse Technology, LLC, provides improvements to walking, socket loads and comfort when compared to walking without the self-aligning adapter.

We are looking for lower limb amputees who meet the following criteria:

- Have a below knee amputation on one side
- Between 18 and 85 years old
- At least 1 year prosthetic experience
- Use prosthesis 8 hours a week or more
- Have well-fitting prosthesis
- English speaking
- Body weight below 200 lbs
- Non-pregnant
- No use of ambulatory aid (no cane or walker)
- Walk unlimited in community (K-level 3 or 4)

By participating in this study, your walking ability with a prosthesis may get better, stay the same, or get worse. A possible risk is wearing a prosthesis you are not accustomed to could lead to decreased stability and a potential fall. Your participation in the research study may improve our understanding of the effects of a self-aligning adapter. You will receive compensation for your time during each research visits.

The research study will be performed at up to three visits, each lasting up to a maximum of eight hours. Ability Prosthetics and Orthotics, Inc. will administer the study at the following three location:

**Ability – Mechanicsburg, MD**  
2005 Technology Parkway, Suite 200  
Mechanicsburg, PA

**If interested in participating, please contact the Principal Investigator:**

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