

# Controlling Locomotion Over Continuously Varying Activities for Agile Powered Prosthetic Legs

NCT06138977

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Status	RECRUITING
Phase	Not Applicable
Sponsor	University of Michigan
Enrollment	40 participants

## Key Eligibility Criteria

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### Inclusion (5)

- Aged between 18 to 65 years
- Aged between 18 to 70 years.
- Weigh less than 250 lbs due to limitations in the design of the prosthesis.
- Amputee subjects will be more than two months post independent ambulation with an amputation at the transfemoral level in order to use the above-knee prosthesis.
- Amputee subjects will have a mobility classification of K2/K3/K4 ambulators (minimum community ambulatory) and have the ability to ambulate without an assistive device beyond their prosthesis.

### Exclusion (15)

- Pregnant (self-report)
- Any significant neuromuscular or musculoskeletal disorder that would interfere with the study
- Unable to walk for 20 minutes
- History of any cardiovascular, vestibular, or visual diseases and/or impairments that may interfere with the study
- Cognitive deficits that would impair their ability to give informed consent or impair their ability to follow simple instructions during the experiments. In the case of screening for cognitive deficits, the consenting researcher will ask the subject if he/she has any prior history of cognitive deficits.

... and 10 more (see full listing online)

## Locations (1 total)

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Rehab Lab, University of Michigan, Ann Arbor, Michigan, United States