

Real world assessment of dual-task performance after stroke

Grant number: NIH/NICHHD 1R21HD076157

Key personnel

Name	Role	Phone	Email
Prue Plummer, PhD	Principal Investigator	919-843-8658	pplummer@med.unc.edu
Devyn Fletcher	Study coordinator	919-621-1286	dyoumans@live.unc.edu
Lisa Zukowski, PhD	Postdoctoral associate	919-962-5397	lazuk@email.unc.edu

Methods

Participants will attend three 2-hour testing sessions at UNC Human Movement Interdisciplinary Human Movement Lab. Testing involves neuropsychological evaluation, assessment of motor function and balance, single-task and dual-task walking in the lab and a real world environment outside the lab. Participants receive \$50 for each visit. Transportation assistance can be provided if needed.

Subject Inclusion and Exclusion Criteria

Key Criteria for Study Inclusion:

1. 18 years of age or older
2. **Within 3 years of stroke onset**
3. Living in the community
4. Able to walk continuously for 50 m (150 ft) without assistance from another person (assistive devices permitted)
5. Montreal Cognitive Assessment ≥ 20
6. Ability to speak English

Key Criteria for Study Exclusion:

1. Concurrent neurological conditions
2. Severe aphasia
3. Uncontrolled visual or hearing impairment