Real world assessment of dual-task performance after stroke

Grant number: NIH/NICHD 1R21HD076157

Key personnel

<table>
<thead>
<tr>
<th>Name</th>
<th>Role</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prue Plummer, PhD</td>
<td>Principal Investigator</td>
<td>919-843-8658</td>
<td><a href="mailto:pplummer@med.unc.edu">pplummer@med.unc.edu</a></td>
</tr>
<tr>
<td>Devyn Fletcher</td>
<td>Study coordinator</td>
<td>919-621-1286</td>
<td><a href="mailto:dyoumans@live.unc.edu">dyoumans@live.unc.edu</a></td>
</tr>
<tr>
<td>Lisa Zukowski, PhD</td>
<td>Postdoctoral associate</td>
<td>919-962-5397</td>
<td><a href="mailto:lazuk@email.unc.edu">lazuk@email.unc.edu</a></td>
</tr>
</tbody>
</table>

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