

Training dual-task walking after stroke

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Key personnel

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Methods

Participants will be randomly assigned to receive single-task gait training or dual-task gait training. Training involves 12, 30-minute sessions (2-3 times per week for 4-6 weeks) one-on-one with a physical therapist at UNC Chapel Hill or Hillsborough. Assessments are conducted at baseline, after 12-sessions of therapy, and 6-months follow up. 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. Gait speed 0.6 m/s- 1.1 m/s
5. Montreal Cognitive Assessment ≥ 20
6. Ability to speak English

Key Criteria for Study Exclusion:

1. Concurrent neurological conditions
2. Currently receiving physical therapy
3. Severe aphasia
4. Uncontrolled visual or hearing impairment