Study Title: Walking with a Tethered Pelvic Assist Device (TPAD)

*All study related procedures will be completed in Suite 199 of the Harkness Pavilion at Columbia University Medical Center in the Dept. of Rehabilitation Medicine.

TPAD Walking Study

Study Description:
We are studying the walking pattern of stroke survivors using a device called the TPAD. This helps us learn how individuals walk with waist support or react to perturbations. We hope to use the TPAD in the future to train stroke survivors with difficulty walking and to develop programs to reduce falls.

Study Procedures:
We are asking participants to:

• Walk on a treadmill on 2 different days, each daily session about 1.5 hours (30 minutes of total walking time).
• Wear reflective markers to record motion while walking.
• Wear a pelvic brace over shorts.

You may or may not have minimal improvements in your walking after participation.

We are looking for adults (ages 18-80 years) with a history of a single stroke.

• Participants must be at least 6 months out from their stroke, and must walk independently to participate.
• You can wear your brace (AFO) and use an assistive device (e.g. cane).

If you are interested in participating, please contact:
• Lauri Bishop, Research PT at: 212-305-6095 or LB2413@cumc.columbia.edu
• Vineet Vashista, study coordinator at: vv2233@columbia.edu

OR the principal investigators:
• Sunil Agrawal, PhD at: sunil.agrawal@columbia.edu
• Joel Stein, MD at: js1165@cumc.columbia.edu

Have you had a stroke?
Do you have difficulty walking?
Can you walk without help from others?