



IRB#: 1708018456

WCMC IRB
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Do you have **lower leg muscle stiffness (spasticity)** caused by a **stroke**?

Volunteers are invited to participate in a study exploring the physical effects of botulinum toxin within the calf muscle by performing MRI scans of the leg before and after botulinum toxin injections.

MRI is a safe and commonly used non-invasive imaging technique that will provide detailed information about the calf muscle after botulinum toxin injection. Botulinum toxin is widely used to decrease muscle tightness in persons with stroke. There are no costs associated with this study. Transportation to and from study visits will be provided at no cost to you.

To be eligible for participation, you **must**:

- Be between 30-70 years old
- Have had a stroke
- Have spasticity/tightness in the leg (calf muscle) requiring botulinum toxin

You will **not** be able to participate in this study if you:

- Have ever received botulinum toxin in the leg
- Have neurological diseases other than stroke
- Are taking oral anti-spasticity medicine or have a baclofen pump

This 5 month study will consist of two cycles of botulinum toxin injections and 3 MRIs of the legs. The injections will be administered in the outpatient physician's practice at the Weill Cornell Medical Center (68th Street & York), Baker 16. The MRIs will be done at the Citigroup Biomedical Imaging Center at 516 East 72nd Street.

**For further information, please contact:
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Tight Calf Study
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