Researchers at Wake Forest Baptist Health Sciences are interested in learning more about how to measure brain structure, and brain-based symptoms such as problems with thinking, memory, motivation, emotions, and sleep in people diagnosed with myotonic dystrophy type 2 (DM2). The purpose of the study is to find the best way to measure how the brain structure and functions are impacted by myotonic dystrophy type 2. This information is also needed to plan future studies to determine how this condition changes over time and to test treatments for myotonic dystrophy.

You may be eligible to participate if:

- You are 40 and above
- You have been diagnosed with myotonic dystrophy type 2
- You have no history of active psychiatric and other neurological disorders
- You can walk independently (cane is permitted)
- You do not have certain kinds of metal implantation in your body, such as a pacemaker or defibrillator, a metal plate, certain types of heart valves, or brain aneurysm clips, which prevent you to have MRI.
- You are not pregnant.

This research study involves 1-2 visits to Wake Forest Baptist Medical Center over 3 months and includes assessments already used in clinical practice as a standard of care. These assessments will consist of brain MRI, magnetoencephalogram (MEG) to record brain wave activities, neuropsychological testing (a way to measure cognitive and memory function), muscle strength testing, a series of questionnaires about participation in daily activities, quality of life, sleep, fatigue, and pain. Participants will be compensated for their time.

If you would like more information about the study and how you can be involved, please contact the study coordinator, Carolina Burgos at 336-713-2603, Monday to Friday 9 am to 5 pm or at caguilar@wakehealth.edu

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