Finding ways to better understand and manage neurological brain diseases like MS requires research. Do you ever wish that you could contribute to the scientific efforts underway that will make this possible?

Very little is known about the early phases of MS. By the time the common symptoms appear, there may already have been significant changes in the brain. Inflammatory changes may precede the onset of disease.

Later in the disease, it can be very difficult to distinguish new inflammatory lesions from other causes of symptom exacerbation. An imaging test of brain inflammation may assist in this process.

Furthermore, there is a clear need in MS research to develop better quantitative measures of disease progression and exacerbation.

Research is an opportunity to possibly find ways to detect the earliest steps in the process, better understand and hopefully better treat progressive brain diseases like MS.

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IND Brain Imaging in MS project

Sponsored by the Institute for Neurodegenerative Disorders

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Build a path to a better understanding of Multiple Sclerosis

A Research Study for Multiple Sclerosis

Consider Participating

Sponsored by the Institute for Neurodegenerative Disorders
The first step towards a cure

What is this study all about?
Clarifying the role of active inflammation in the brain is an important issue for understanding and managing Multiple Sclerosis [MS]. The purpose of the IND Brain Imaging in MS Project is to find out whether changes in the brain in people with MS can be detected using a relatively new brain imaging test. A tracer dose of the imaging agent binds to the cells involved with inflammation and may allow researchers to evaluate the location, degree, and effects of inflammation on the brain.

Why is this research important?
- The inflammatory process appears to contribute to the progression of neurological damage in MS.
- Development of a brain imaging test may allow scientists to study the effects of treatments aimed at reducing inflammatory changes in MS.
- Distinguishing new inflammatory lesions from other causes of worsening symptoms is often a diagnostic dilemma in MS.
- Imaging inflammation may aid in the early diagnosis of MS.

Why are we interested in brain imaging research?
MS is an inflammatory disease of the central nervous system. Patches of lesions damage the white matter tissue in the brain. The cause of inflammation is complex and not fully understood. A cell type in the brain, called microglia, becomes activated and may control areas of inflammation there.
The brain imaging test may allow us to see this process more directly.

You may be eligible to join if:
- Your age is 18 years or older.
- You have a diagnosis of Multiple Sclerosis
- You are not pregnant

Why would you want to participate in this research?
Most people participate because they would like to:
- Partner with researchers dedicated to understanding and treating MS.
- Be at the forefront of developments that may result from this research.

Who is conducting this study?
The Institute for Neurodegenerative Disorders [IND] is an independent, nonprofit research institute located in New Haven, CT.
Our research team is committed to developing strategies to prevent and cure neurological brain diseases.
Our goal is to develop brain imaging tests to:
- Visualize disease processes earlier
- Better understand disease processes
- Monitor disease progression;
- Evaluate treatment efficacy; and
- Assist in disease management