

A study on

Autoimmune Features of Parkinson's Disease

What is this study?

We are doing this study to better understand the role of immune response in Parkinson's disease (PD).

- An immune response is how your body recognizes and defends itself against bacteria, viruses, and substances that appear foreign and harmful.
- PD is caused by loss of dopamine neurons in the substantia nigra (SN), a part of the midbrain associated with movement.
- Our research team has recently found that there may be an immune response to a protein (or proteins) in the brains of people with PD. This immune response may in turn lead to loss of brain cells in PD.

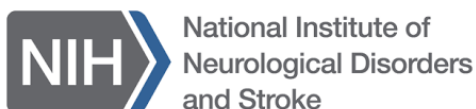
We now want to look further into the connection between the immune system and PD.

Why is this important?

What we learn from this study could help us find a biomarker for PD. A biomarker can tell us about the presence of a disease and how the disease changes over time. Understanding more about the immune system's role in PD could help us better treat and care for PD patients.

Who is the study sponsor?

The United States National Institutes of Health
clinicaltrials.gov/ct2/show/NCT04239079



What is involved?

- ✓ **Up to 2 visits**
- ✓ A brief questionnaire, cognitive test and neurological exam
- ✓ **Donate up to 100cc (7 tablespoons) of blood per visit**
- ✓ **25\$ compensation per blood donation**

Who can participate?

- ✓ If you are older than 55 years old
- ✓ If you have Parkinson's disease
OR
- ✓ If you do not have Parkinson's disease

If you are interested in participating or want to learn more:



Or contact

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