

Accelerated Cure Project Inclusion/Exclusion Criteria

Case Inclusion Criteria - Must be “Yes”

1. Individuals with at least one CNS demyelinating event characteristic of MS, TM, ADEM, NMO or ON. A demyelinating event is defined as a symptom or constellation of symptoms referable to a disruption of the CNS white matter or myelin within gray matter. Characteristic syndromes include hemibody sensory or motor symptoms, mono-sensory symptoms, monoparesis, brainstem syndrome or cerebellar syndrome, lasting at least 24 hours and not acute in onset.
2. Individuals at least 18 years old and able to give informed consent or individuals younger than 18 years old, with parental permission, and able to give assent.
3. Individuals at least 18 years old willing and able to provide up to 110 ml blood via venipuncture or individuals younger than 18 years old willing and able to provide up to 50 ml blood via venipuncture.

Case Exclusion Criteria - Must be “No”

1. Individuals with clinical or radiological evidence of stroke, meningitis, neoplastic, peripheral nervous system or primary muscle disease, or other well characterized and defined diseases of the nervous system with the exception of MS, TM, ADEM, NMO, ON or CIS (to help eliminate related neurological signs/symptoms).
2. Individuals with a history of blood borne pathogens (e.g., Hepatitis, HIV/AIDS) due to laboratory restrictions.
3. Individuals with a history of allogenic bone marrow transplant due to changes in genetic material.
4. Individuals who weigh less than 37 pounds due to limits on blood collection.

Control Inclusion Criteria - Must be “Yes”

1. Related and unrelated individuals who have not experienced any CNS demyelinating events characteristic of MS, TM, ADEM, NMO or ON, and have not been diagnosed with any demyelinating disease.
2. Individuals at least 18 years old and able to give informed consent or individuals younger than 18 years old, with parental permission, and able to give assent.
3. Individuals at least 18 years old willing and able to provide up to 110 ml blood via venipuncture or individuals younger than 18 years old willing and able to provide up to 50 ml blood via venipuncture.

Control Exclusion Criteria - Must be “No”

1. Individuals with clinical or radiological evidence of stroke, meningitis, neoplastic, peripheral nervous system or primary muscle disease, or other well characterized and defined diseases of the nervous system (to help eliminate related neurological signs/symptoms).

2. Individuals with a history of blood borne pathogens (e.g., Hepatitis, HIV/AIDS) due to laboratory restrictions.
3. Individuals with a history of allogenic bone marrow transplant due to changes in genetic material.
4. Individuals who weigh less than 37 pounds due to limits on blood collection.