



Protocol: ACP-001

Page 1 of 89

Site Subject Barcode

Visit Date

Confirmation of Consent (to be completed by interviewer)

I confirm that the participant has signed the informed consent.

Interviewer Name

MM/DD/YYYY

Case Inclusion Criteria - Must be "Yes"

1. Individuals with at least one CNS demyelinating event characteristic of MS, TM, ADEM, NMO, ON or CIS. A demyelinating event is defined as a symptom or constellation of symptoms referable to the 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. No Yes
2. Individuals at least 18 years old and able to give informed consent. No Yes
3. Individuals willing and able to provide up to 110 ml blood via venipuncture. No Yes

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). No Yes
2. Individuals with a history of blood borne pathogens (e.g., Hepatitis, HIV/AIDS) due to Laboratory restrictions. No Yes
3. Individuals with a history of allogenic bone marrow transplant due to changes in genetic material. No Yes

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, ON or CIS and have not been diagnosed with any demyelinating disease. No Yes
2. Individuals at least 18 years old and able to give informed consent. No Yes
3. Individuals willing and able to provide up to 110 ml blood via venipuncture. No Yes

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). No Yes
2. Individuals with a history of bloodborne pathogens (e.g., Hepatitis, HIV/AIDS) due to Laboratory restrictions. No Yes
3. Individuals with a history of allogenic bone marrow transplant due to changes in genetic material. No Yes



Protocol: ACP-001

Page 2 of 89

Site

Subject Barcode

Visit Date

Laboratory Assessment

Date of blood draw

MM/DD/YYYY

Time of blood draw

HH:MM

When was the last time the participant had something to eat or drink besides water?

HH:MM

MM/DD/YYYY

When was the last time the participant smoked?

HH:MM

MM/DD/YYYY

Not applicable

Has the participant had any medications today (including birth control, vitamins, aspirin, etc.)? Yes No

If yes, specify medication names:

Within the last two weeks, when did the participant last have a dose of non-MS (TM, ADEM, NMO, ON) related medication (prescription or OTC)? Not applicable

MM/DD/YYYY

Specify medication name(s):

When did the participant last have a dose of MS (TM, ADEM, NMO, ON) related drug? Not applicable

MM/DD/YYYY

Specify medication name(s):

Has the participant had any immunizations in the last year (including flu shot)? Yes No Don't know

If yes, specify:

Has the participant had a tetanus shot in the last 10 years? Yes No Don't know

If yes, specify when:

MM/DD/YYYY

Has the participant had any alcohol or done any recreational drugs in...

the last 2 months? Yes No

the last 2 weeks? Yes No

the last 24 hours? Yes No

Specify:



Protocol: ACP-001

Site Subject Barcode

Visit Date

Interview Information

Interview date (MM/DD/YYYY)	Start time (HH:MM)	End time (HH:MM)
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

Has the participant experienced any of the following symptoms in the past 24 hours?

- Runny nose Yes No
- Cough/sore throat Yes No
- Fever/chills/night sweats Yes No
- Sinus infection Yes No
- Diarrhea/vomiting Yes No
- Rash Yes No
- Shortness of breath Yes No

Other illnesses, specify:

Study Completion

Did the participant complete the study? Yes No

Date of withdrawal:
MM/DD/YYYY

Reason for withdrawal:

- Withdrew informed consent
- Lost to follow-up
- Screen failure
- Sponsor decision
- Death
- Investigator decision
- Other, specify:



Protocol: ACP-001

Page 4 of 89

Site

Subject Barcode

Visit Date

Section I Demographic Information

1. Date of birth

MM/DD/YYYY

2. Gender Male

Female

3. Height

in

cm

4. Weight

lb

kg

5. Dominant hand*

6. Education - number of years completed (including elementary school)

7. Current marital status*

8. Employment status - Select one

Employed outside home

Student

Unemployed not looking for work

Employed at home

Worker's compensation

Disabled, at age

Homemaker

Unemployed looking for work

Retired, not disabled, at age

9. Domestic status

Living alone

Yes No

Living with other relative

Yes No

Living with spouse/partner

Yes No

Living with friend/companion

Yes No

Living with sibling

Yes No

Living with domestic help

Yes No

Living with children

Yes No

Living with health related companion

Yes No

Living with parent

Yes No

Living in nursing or sheltered home

Yes No



Site

Subject Barcode

Visit Date

Section II Ethnic Background

10. Ethnicity

	Participant	Father	Mother	Father's father	Father's mother	Mother's father	Mother's mother
1. Hispanic or Latino	<input type="checkbox"/>						
2. Non Hispanic or Latino	<input type="checkbox"/>						
3. Don't know	<input type="checkbox"/>						

Race

1. American Indian or Alaska Native	<input type="checkbox"/>						
2. Middle Eastern	<input type="checkbox"/>						
3. South Asian*	<input type="checkbox"/>						
4. Other Asian	<input type="checkbox"/>						
5. Black or African American	<input type="checkbox"/>						
6. Native Hawaiian or other Pacific Islander	<input type="checkbox"/>						
7. White	<input type="checkbox"/>						
8. Don't know	<input type="checkbox"/>						

*South Asian countries include:India, Nepal, Pakistan, Bhutan, Bangladesh, Maldives, Sri Lanka and Suvadives.

11. Where was the participant born?

State/Province (if applicable)

Country

12. Where was the participant's father born?

State/Province (if applicable)
 Don't know

Country
 Don't know

13. Where was the participant's mother born?

State/Province (if applicable)
 Don't know

Country
 Don't know

14. In what countries were the participant's grandparents born?

Father's father
 Don't know

Father's mother
 Don't know

Mother's father
 Don't know

Mother's mother
 Don't know



Protocol: ACP-001

Page 6 of 89

Site

Subject Barcode

Visit Date

Section III Family History

15. Parent and grandparent information - Please provide the following information for the participant's full biological parents and grandparents (do not include step-parents).

Relationship	Year of birth	Alive	MS	Dominant hand*
Father	<input type="text"/>	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="text"/>
Mother	<input type="text"/>	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="text"/>
Father's father	<input type="text"/>	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="text"/>
Father's mother	<input type="text"/>	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="text"/>
Mother's father	<input type="text"/>	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="text"/>
Mother's mother	<input type="text"/>	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't Know	<input type="text"/>



Protocol: ACP-001

Site

Subject Barcode

Visit Date

Section III Family History - Continued

16. Does the participant have any siblings? If yes, please provide the following information for the participant's full biological siblings (do not include half/step-siblings). Indicate the participant's place by marking the check box and leaving the remaining items blank. No Yes Don't know

Birth order	Year of birth	Gender	Alive	MS	Dominant hand*
First <input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="text"/>
Second <input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="text"/>
Third <input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="text"/>
Fourth <input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="text"/>
Fifth <input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="text"/>
Sixth <input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="text"/>
Seventh <input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="text"/>
Eighth <input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="text"/>
Ninth <input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="text"/>



Protocol: ACP-001

Site

Subject Barcode

Visit Date

Section III Family History - Continued

16a. Does the participant have any half siblings? If yes, please provide the following information for the participant's half siblings. No Yes Don't know

Year of birth	Gender	Alive	MS	Dominant hand*
<input type="text"/>	<input type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="text"/>
<input type="text"/>	<input type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="text"/>
<input type="text"/>	<input type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="text"/>
<input type="text"/>	<input type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="text"/>

17. Was the participant part of a multiple birth?

No Yes

17a. If yes, was the participant identical or fraternal?

Identical Fraternal

17b. If yes, how many siblings altogether were involved in the multiple birth (including the participant)?

18. Does the participant have any additional blood relatives (not marriage) that have been diagnosed with MS? If yes, please describe the specific relationship to the participant.

No Yes Don't know

Relationship		Describe
1. Uncle(s) father's side	<input type="checkbox"/>	
2. Uncle(s) mother's side	<input type="checkbox"/>	
3. Aunt(s) father's side	<input type="checkbox"/>	
4. Aunt(s) mother's side	<input type="checkbox"/>	
5. 1st cousin(s) father's side	<input type="checkbox"/>	
6. 1st cousin(s) mother's side	<input type="checkbox"/>	
7. 2nd cousin(s) father's side	<input type="checkbox"/>	
8. 2nd cousin(s) mother's side	<input type="checkbox"/>	



Site

Subject Barcode

Visit Date

Section III Family History - Continued

19. Does the participant have any children?

- No
- Yes
- Don't know

Partner Information - Please provide the following information for every person the participant has had a child with. Indicate the number of children birthed between the participant and each partner recorded. Refer to page 5, question 10 for ethnicity/race reference numbers.

Partner	Year of birth	Gender	Alive	MS	Dominant hand*
1.	<input type="text"/>	<input type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="text"/>
Ethnicity	<input type="text"/>	Mother's ethnicity	<input type="text"/>	Father's ethnicity	<input type="text"/>
Race	<input type="text"/>	Mother's race	<input type="text"/>	Father's race	<input type="text"/>
Number of children	<input type="text"/>	Birth state/Province	<input type="text"/>	Birth country	<input type="text"/>
2.	<input type="text"/>	<input type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="text"/>
Ethnicity	<input type="text"/>	Mother's ethnicity	<input type="text"/>	Father's ethnicity	<input type="text"/>
Race	<input type="text"/>	Mother's race	<input type="text"/>	Father's race	<input type="text"/>
Number of children	<input type="text"/>	Birth state/Province	<input type="text"/>	Birth country	<input type="text"/>
3.	<input type="text"/>	<input type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="text"/>
Ethnicity	<input type="text"/>	Mother's ethnicity	<input type="text"/>	Father's ethnicity	<input type="text"/>
Race	<input type="text"/>	Mother's race	<input type="text"/>	Father's race	<input type="text"/>
Number of children	<input type="text"/>	Birth state/Province	<input type="text"/>	Birth country	<input type="text"/>



Site Subject Barcode

Visit Date

Section III Family History - Continued

20. Participant's offspring - Please provide the following information regarding the participant's offspring. Indicate the corresponding partner number from question 19 for each child in the box next to the birth order.

Birth order	Year of birth	Gender	Alive	MS	Dominant hand*
First Partner <input type="text"/>	<input type="text"/>	<input type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="text"/>
Second	<input type="text"/>	<input type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="text"/>
Third	<input type="text"/>	<input type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="text"/>
Fourth	<input type="text"/>	<input type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="text"/>
Fifth	<input type="text"/>	<input type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="text"/>
Sixth	<input type="text"/>	<input type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="text"/>
Seventh	<input type="text"/>	<input type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="text"/>
Eighth	<input type="text"/>	<input type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="text"/>
Ninth	<input type="text"/>	<input type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="text"/>



Protocol: ACP-001

Page 11 of 89

Site

Subject Barcode

Visit Date

Section IV Demyelinating Diseases

N/A - Mark if this is a Control without a demyelinating disease and skip to Section V - Medical history

21. Is the participant currently diagnosed with Multiple Sclerosis?

No Yes

21a. If yes, at what age was the participant diagnosed with Multiple Sclerosis by a neurologist or other physician?

Years old

21b. Which of the following best characterizes the participant's disease?

Note: An exacerbation is defined as a development of new symptoms or a worsening of existing symptoms that lasts longer than 48 hours in the absence of a fever or infection.

<input type="checkbox"/>	<u>Clinically isolated syndrome (not Optic Neuritis or Transverse Myelitis)</u> - Participant has experienced only one exacerbation. Date of occurrence <input type="text"/> MM/DD/YYYY
<input type="checkbox"/>	<u>Relapsing remitting</u> - Participant has experienced two or more exacerbations of being worse for a period of time followed by an improvement in condition. In between exacerbations the participant is stable.
<input type="checkbox"/>	<u>Secondary progressive</u> - Participant's disease began with sporadic exacerbations separated by periods of stability and has changed to the point where symptoms have been getting progressively worse even when not having an exacerbation. At what age did this change take place? <input type="text"/> Years old
<input type="checkbox"/>	<u>Primary progressive</u> - From onset, participant's disease has steadily progressed, even when not having an exacerbation.

21c. Is the participant currently experiencing an exacerbation?

No Yes Don't know

21d. **If no**, how long has it been since the start of the participant's last exacerbation?

Months Years Don't know

21e. How many relapses did the participant experience within the first two years? Not applicable
 Don't know

21f. How many relapses has the participant experienced in the last year? Not applicable
 Don't know

21g. Age of first symptom or exacerbation (may have occurred before clinical diagnosis)? Years old

21h. Age of second symptom or exacerbation? Years old Not applicable



Site

Subject Barcode

Visit Date

Section IV Demyelinating Diseases

21. Is the participant currently diagnosed with Transverse Myelitis?

- No Yes

21a. Date of diagnosis

MM/DD/YYYY

21b. Date of symptom onset

MM/DD/YYYY

21c. Date of clinical nadir (when symptoms were at their worst)

MM/DD/YYYY

21d. Date of first treatment

MM/DD/YYYY

None

21e. Treatments for first attack

- Steroids
 Plasmapheresis
 Cytoxan
 Other, specify:
 Don't know

21f. Prior illness (within 30 days of onset)

- No
 Yes, specify date of onset:
 Don't know

MM/DD/YYYY

If Yes, specify illness (check all that apply):

- Fever Chills Muscle aches Diarrhea
 Nausea Vomiting Coughing Stuffy nose

Other, specify:

Don't know

21g. Prior vaccination (within 30 days of symptoms onset)

- No
 Yes, specify date:
 Don't know

MM/DD/YYYY

If Yes, specify vaccine (check all that apply):

- Chickenpox (varicella) German measles (rubella) Measles (rubeola)
 Smallpox Mumps Hepatitis A
 Hepatitis B Polio (shot) Polio (oral vaccine)
 Rabies Travel Flu shot
 Strep Meningococcal Don't know



Protocol: ACP-001

Page 11.1 of 89

Site

Subject Barcode

Visit Date

Section IV Demyelinating Diseases

21h. Have there been multiple attacks?

- No Yes Don't know

Date of subsequent attacks	Treatment of subsequent attacks
<input type="text"/> MM/DD/YYYY	<input type="checkbox"/> Steroids <input type="checkbox"/> None <input type="checkbox"/> Plasmapheresis <input type="checkbox"/> Other, specify: <input type="checkbox"/> Cytoxan <input type="text"/> <input type="checkbox"/> Don't know
<input type="text"/> MM/DD/YYYY	<input type="checkbox"/> Steroids <input type="checkbox"/> None <input type="checkbox"/> Plasmapheresis <input type="checkbox"/> Other, specify: <input type="checkbox"/> Cytoxan <input type="text"/> <input type="checkbox"/> Don't know
<input type="text"/> MM/DD/YYYY	<input type="checkbox"/> Steroids <input type="checkbox"/> None <input type="checkbox"/> Plasmapheresis <input type="checkbox"/> Other, specify: <input type="checkbox"/> Cytoxan <input type="text"/> <input type="checkbox"/> Don't know



Site

Subject Barcode

Visit Date

Section IV Demyelinating Diseases

21. Is the participant currently diagnosed with Neuromyelitis Optica?

- No Yes

21a. Date of NMO diagnosis

MM/DD/YYYY

21b. Date of first symptoms

MM/DD/YYYY

21c. Were first symptoms visual or spinal (walking, sensory changes, bowel/bladder)?

- Visual
 Spinal
 Both
 Don't know

21d. Date of treatment

- None

MM/DD/YYYY

21e. Treatment for first attack

- Steroids
 Plasmapheresis
 Other, specify:
 Don't know

21f. Date of second attack

- Not applicable

MM/DD/YYYY

21g. Were symptoms of second attack visual or spinal?

- Visual
 Spinal
 Both
 Don't know

21h. Date of last attack before this interview

- Listed above

MM/DD/YYYY

21i. Were symptoms of last attack visual or spinal?

- Visual
 Spinal
 Both
 Don't know

21j. Has the participant ever been on immunomodulatory drugs (Copaxone, IFNs, etc.)?

- No
 Yes, specify medication name(s):
 Don't know

Site

Subject Barcode

Visit Date

Section IV Demyelinating Diseases

21. Is the participant currently diagnosed with Optic Neuritis?

- No Yes

21a. Date of diagnosis

MM/DD/YYYY

21b. Date of first attack

MM/DD/YYYY

21c. Date of first treatment

None

MM/DD/YYYY

21d. Treatments for first attack

- Steroids
 Plasmapheresis
 Cytoxan
 Other, specify:
 Don't know

21e. Which eye?

- Right Left Both Don't know

21f. Was pain present in the eye?

- No Yes Don't know

21g. Was color vision affected?

- No Yes Don't know

21h. Degree of recovery from first attack

%

21i. Any recurrences?

- No Yes

Date of recurrence	Eye*	Treatment of recurrence	
<input type="text"/> MM/DD/YYYY	<input type="text"/>	<input type="checkbox"/> Steroids <input type="checkbox"/> Plasmapheresis <input type="checkbox"/> Cytoxan <input type="checkbox"/> Don't know	<input type="checkbox"/> Other, specify below: <input type="checkbox"/> None <input type="text"/>
<input type="text"/> MM/DD/YYYY	<input type="text"/>	<input type="checkbox"/> Steroids <input type="checkbox"/> Plasmapheresis <input type="checkbox"/> Cytoxan <input type="checkbox"/> Don't know	<input type="checkbox"/> Other, specify below: <input type="checkbox"/> None <input type="text"/>
<input type="text"/> MM/DD/YYYY	<input type="text"/>	<input type="checkbox"/> Steroids <input type="checkbox"/> Plasmapheresis <input type="checkbox"/> Cytoxan <input type="checkbox"/> Don't know	<input type="checkbox"/> Other, specify below: <input type="checkbox"/> None <input type="text"/>



Site

Subject Barcode

Visit Date

Section IV Demyelinating Diseases

21. Is the participant currently diagnosed with Acute Disseminated Encephalomyelitis?

- No Yes

21a. Date of diagnosis

MM/DD/YYYY

21b. Date of first symptoms

MM/DD/YYYY

21c. Date of first treatment

MM/DD/YYYY

None

21d. Treatment

- Steroids
 Plasmapheresis
 Cytoxan
 Other, specify:
 Don't know

21e. Hospitalization for treatment

- No
 Yes, specify number of days: days
 Don't know

21f. Prior illness (within 30 days of onset)

- No
 Yes, specify date of onset:
 Don't know

MM/DD/YYYY

If Yes, specify illness (check all that apply):

- Fever Chills Muscle aches Diarrhea
 Nausea Vomiting Coughing Stuffy nose

Other, specify:

Don't know

21g. Prior vaccination (within 30 days of symptoms onset)

- No
 Yes, specify date:
 Don't know

MM/DD/YYYY

If Yes, specify vaccine (check all that apply):

- Chickenpox (varicella) German measles (rubella) Measles (rubeola)
 Smallpox Mumps Hepatitis A
 Hepatitis B Polio (shot) Polio (oral vaccine)
 Rabies Travel Flu shot
 Strep Meningococcal Don't know



Protocol: ACP-001

Site Subject Barcode

Visit Date

Section IV Demyelinating Diseases

22. Please indicate which of the following symptoms the participant has experienced for 2 or more days during an MS, TM, ADEM, NMO, or ON exacerbation. Specify whether the symptom occurred during the **First Exacerbation** and whether the participant is **Currently Experiencing, Ever Experienced, or Never Experienced** the symptom.

Demyelinating diseases	First	Ever	Currently	Never
1. Weakness in arms/hands	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Weakness in legs/feet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Difficulty walking/dragging a foot	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Loss of coordination in arms/hands	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Loss of coordination in legs/feet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Stiffness	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Difficulty with balance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Shaking or tremors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Paralysis of half or whole face	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Facial twitching	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Speech articulation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Difficulty with swallowing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Blindness or blurry vision in one eye or both	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Disturbed vision e.g., double vision, objects moving, etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Sensory symptoms; loss of feeling, painful feeling, unable to feel position of fingers/arms/legs, swollen feeling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. Vertigo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. Sharp, painful feeling in face not due to trauma or injury (Trigeminal neuralgia)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Electric shock-like feeling when bending neck	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. Itching, not due to other causes e.g. psoriasis, insect bites, etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Burning sensation in feet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. Cognitive difficulties e.g., memory problems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22. Sexual dysfunction, not caused by medication	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23. Urinary problems e.g., unusual urgency or hesitancy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24. Trouble with bowel movements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25. Fatigue	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26. Changes in mood or depression considered out of the ordinary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
27. Total paralysis of legs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
28. Total paralysis of arms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
29. Need for mechanical ventilation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30. Other: <input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Protocol: ACP-001

Site

Subject Barcode

Visit Date

Section V Medical History

23a. Has the participant experienced any significant head injuries?

- No Yes

Description of injury, Cause of injury, Date occurred, Age, Loss of consciousness, Medical attention received, Complications/Outcome

Description of injury, Cause of injury, Date occurred, Age, Loss of consciousness, Medical attention received, Complications/Outcome

23b. Has the participant experienced any significant spine injuries?

- No Yes

Description of injury, Cause of injury, Date occurred, Age, Loss of consciousness, Medical attention received, Complications/Outcome

Description of injury, Cause of injury, Date occurred, Age, Loss of consciousness, Medical attention received, Complications/Outcome



Site

Subject Barcode

Visit Date

Section V Medical History - Continued

23c. Has the participant experienced any significant injuries other than head or spine?

No Yes

Description of injury		Cause of injury	
<input type="text"/>		<input type="text"/>	
Date occurred (MM/YYYY)	Age	Loss of consciousness	
<input type="text"/>	<input type="text"/> Years	<input type="checkbox"/> No <input type="checkbox"/> Yes	
Medical attention received - check all that apply		Complications/Outcome	
<input type="checkbox"/> M.D. visit <input type="checkbox"/> Hospitalization <input type="checkbox"/> Rehabilitation <input type="checkbox"/> E.R. visit <input type="checkbox"/> Surgery <input type="checkbox"/> Intensive care		<input type="text"/>	

Description of injury		Cause of injury	
<input type="text"/>		<input type="text"/>	
Date occurred (MM/YYYY)	Age	Loss of consciousness	
<input type="text"/>	<input type="text"/> Years	<input type="checkbox"/> No <input type="checkbox"/> Yes	
Medical attention received - check all that apply		Complications/Outcome	
<input type="checkbox"/> M.D. visit <input type="checkbox"/> Hospitalization <input type="checkbox"/> Rehabilitation <input type="checkbox"/> E.R. visit <input type="checkbox"/> Surgery <input type="checkbox"/> Intensive care		<input type="text"/>	

24. Has the participant undergone any surgeries (e.g., dental extraction, tonsillectomy, D&C, etc.)?

No Yes

Type of surgery	Age	General anesthesia		Local anesthesia	
<input type="text"/>	<input type="text"/> Years	<input type="checkbox"/> No	<input type="checkbox"/> Don't know	<input type="checkbox"/> No	<input type="checkbox"/> Don't know
		<input type="checkbox"/> Yes		<input type="checkbox"/> Yes	
<input type="text"/>	<input type="text"/> Years	<input type="checkbox"/> No	<input type="checkbox"/> Don't know	<input type="checkbox"/> No	<input type="checkbox"/> Don't know
		<input type="checkbox"/> Yes		<input type="checkbox"/> Yes	
<input type="text"/>	<input type="text"/> Years	<input type="checkbox"/> No	<input type="checkbox"/> Don't know	<input type="checkbox"/> No	<input type="checkbox"/> Don't know
		<input type="checkbox"/> Yes		<input type="checkbox"/> Yes	
<input type="text"/>	<input type="text"/> Years	<input type="checkbox"/> No	<input type="checkbox"/> Don't know	<input type="checkbox"/> No	<input type="checkbox"/> Don't know
		<input type="checkbox"/> Yes		<input type="checkbox"/> Yes	
<input type="text"/>	<input type="text"/> Years	<input type="checkbox"/> No	<input type="checkbox"/> Don't know	<input type="checkbox"/> No	<input type="checkbox"/> Don't know
		<input type="checkbox"/> Yes		<input type="checkbox"/> Yes	



Protocol: ACP-001

Page 22 of 89

Site

Subject Barcode

Visit Date

Section V Medical History - Continued

30. Has the participant received any of the following vaccinations?

Disease	Vaccinated	Age (years)		Country
1. Chickenpox (varicella)	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> < 5 <input type="checkbox"/> 5 - 9 <input type="checkbox"/> 10-14	<input type="checkbox"/> 15 - 19 <input type="checkbox"/> 20 - 25 <input type="checkbox"/> > 25	<input type="text"/>
2. German Measles (rubella)	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> < 5 <input type="checkbox"/> 5 - 9 <input type="checkbox"/> 10-14	<input type="checkbox"/> 15 - 19 <input type="checkbox"/> 20 - 25 <input type="checkbox"/> > 25	<input type="text"/>
3. Measles (rubeola)	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> < 5 <input type="checkbox"/> 5 - 9 <input type="checkbox"/> 10-14	<input type="checkbox"/> 15 - 19 <input type="checkbox"/> 20 - 25 <input type="checkbox"/> > 25	<input type="text"/>
4. Smallpox	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> < 5 <input type="checkbox"/> 5 - 9 <input type="checkbox"/> 10-14	<input type="checkbox"/> 15 - 19 <input type="checkbox"/> 20 - 25 <input type="checkbox"/> > 25	<input type="text"/>
5. Mumps	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> < 5 <input type="checkbox"/> 5 - 9 <input type="checkbox"/> 10-14	<input type="checkbox"/> 15 - 19 <input type="checkbox"/> 20 - 25 <input type="checkbox"/> > 25	<input type="text"/>
6. Hepatitis A	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> < 5 <input type="checkbox"/> 5 - 9 <input type="checkbox"/> 10-14	<input type="checkbox"/> 15 - 19 <input type="checkbox"/> 20 - 25 <input type="checkbox"/> > 25	<input type="text"/>
7. Hepatitis B	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> < 5 <input type="checkbox"/> 5 - 9 <input type="checkbox"/> 10-14	<input type="checkbox"/> 15 - 19 <input type="checkbox"/> 20 - 25 <input type="checkbox"/> > 25	<input type="text"/>
8. Polio (shot)	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> < 5 <input type="checkbox"/> 5 - 9 <input type="checkbox"/> 10-14	<input type="checkbox"/> 15 - 19 <input type="checkbox"/> 20 - 25 <input type="checkbox"/> > 25	<input type="text"/>
9. Polio (oral vaccine)	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> < 5 <input type="checkbox"/> 5 - 9 <input type="checkbox"/> 10-14	<input type="checkbox"/> 15 - 19 <input type="checkbox"/> 20 - 25 <input type="checkbox"/> > 25	<input type="text"/>
10. Rabies	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> < 5 <input type="checkbox"/> 5 - 9 <input type="checkbox"/> 10-14	<input type="checkbox"/> 15 - 19 <input type="checkbox"/> 20 - 25 <input type="checkbox"/> > 25	<input type="text"/>
11. Travel (e.g., yellow fever, cholera, etc.) Specify: <input type="text"/>	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> < 5 <input type="checkbox"/> 5 - 9 <input type="checkbox"/> 10-14	<input type="checkbox"/> 15 - 19 <input type="checkbox"/> 20 - 25 <input type="checkbox"/> > 25	<input type="text"/>
12. Flu shot	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> < 5 <input type="checkbox"/> 5 - 9 <input type="checkbox"/> 10-14	<input type="checkbox"/> 15 - 19 <input type="checkbox"/> 20 - 25 <input type="checkbox"/> > 25	<input type="text"/>

Year of most recent flu shot:

Does the participant receive a flu shot every year? No Yes

If yes, for how many consecutive years? Years



Protocol: ACP-001

Page 23 of 89

Site

Subject Barcode

Visit Date

Section V Medical History - Continued

30. Has the participant received any of the following vaccinations?

Disease	Vaccinated	Age (years)		Country
13. Strep	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> < 5 <input type="checkbox"/> 5 - 9 <input type="checkbox"/> 10-14	<input type="checkbox"/> 15 - 19 <input type="checkbox"/> 20 - 25 <input type="checkbox"/> > 25	<input type="text"/>
14. Meningococcal	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Don't know	<input type="checkbox"/> < 5 <input type="checkbox"/> 5 - 9 <input type="checkbox"/> 10-14	<input type="checkbox"/> 15 - 19 <input type="checkbox"/> 20 - 25 <input type="checkbox"/> > 25	<input type="text"/>
15. Other: <input type="text"/>		<input type="checkbox"/> < 5 <input type="checkbox"/> 5 - 9 <input type="checkbox"/> 10-14	<input type="checkbox"/> 15 - 19 <input type="checkbox"/> 20 - 25 <input type="checkbox"/> > 25	<input type="text"/>
16. Other: <input type="text"/>		<input type="checkbox"/> < 5 <input type="checkbox"/> 5 - 9 <input type="checkbox"/> 10-14	<input type="checkbox"/> 15 - 19 <input type="checkbox"/> 20 - 25 <input type="checkbox"/> > 25	<input type="text"/>
17. Other: <input type="text"/>		<input type="checkbox"/> < 5 <input type="checkbox"/> 5 - 9 <input type="checkbox"/> 10-14	<input type="checkbox"/> 15 - 19 <input type="checkbox"/> 20 - 25 <input type="checkbox"/> > 25	<input type="text"/>

31. Was the participant breast fed as an infant?

No

Yes, for approximately how many months was the participant breast fed? months < 1 month

Yes, unsure for how long

Don't know



Protocol: ACP-001

Site [] Subject Barcode []

Visit Date []

Section VI Reproductive Health - Continued

34. At what age did the participant's menstrual cycles begin? [] years old

35. Have the participant's natural menstrual cycles ceased permanently?

- No Yes Don't know

35a. If no or don't know, what was the date of the participant's last menstrual cycle? [] MM/DD/YYYY

35b. If yes, at what age did the participant's natural menstrual cycles cease?

[] years old

35c. If yes, for what reason did the participant's natural menstrual cycles cease?

- Natural Surgical Radiation or chemotherapy

36. Has the participant had any of the following menstrual problems?

Table with 4 columns: Problem, Had in the past, Had in the past two months, Age (onset). Rows include: 1. Irregular menstrual cycles, 2. Excessive pain during menses, 3. Excessive bleeding during menses, 4. Premenstrual syndrome.

37. Has the participant ever had any other menstrual problems?

- No Yes, specify: [] Don't know

38. Has the participant had her uterus surgically removed?

- No Yes, at what age did the participant have her uterus removed? [] years old

39. Has the participant had either of her ovaries surgically removed?

- No Yes, how many ovaries did she have removed? [] At what age? [] years old



Protocol: ACP-001

Page 26 of 89

Site

Subject Barcode

Visit Date

Section VII - Environmental Exposures

40. Did the participant's mother smoke tobacco at any time while pregnant with the participant?

- No Yes Don't know

41. Did anyone regularly smoke in the participant's home during childhood?

- No Yes Don't know

42. Has the participant lived with anyone who regularly smoked inside their home?

- No Yes Don't know

42a. If yes, for approximately how many years in total?

 years

42b. If yes and an MS, CIS, TM, ADEM, NMO or ON participant, for approximately how many years prior to the onset of symptoms? years



Protocol: ACP-001

Site Subject Barcode

Visit Date

Section VII - Environmental Exposures - Continued

43. Has the participant ever used tobacco more frequently than once per month?

No Yes

Type of product*	Years used	# per day
<input type="text"/>	<input type="text"/> to <input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/> to <input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/> to <input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/> to <input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/> to <input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/> to <input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/> to <input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/> to <input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/> to <input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/> to <input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/> to <input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/> to <input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/> to <input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/> to <input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/> to <input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/> to <input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/> to <input type="text"/>	<input type="text"/>
Other: <input type="text"/>	<input type="text"/> to <input type="text"/>	<input type="text"/>
Other: <input type="text"/>	<input type="text"/> to <input type="text"/>	<input type="text"/>
Other: <input type="text"/>	<input type="text"/> to <input type="text"/>	<input type="text"/>



Protocol: ACP-001

Site

Subject Barcode

Visit Date

Section VII - Environmental Exposures - Continued

44. Please provide the following information for all of the residences the participant has lived in for longer than one year.

Residence	Years lived
<input type="text"/> <input type="text"/> <input type="text"/> City State/province Country	<input type="text"/> to <input type="text"/>
Nearby substance emitting facilities (within 1 mile) <input type="checkbox"/> No <input type="checkbox"/> Yes - Specify below <input type="checkbox"/> Don't know <input type="text"/>	Primary source of drinking water* a. <input type="text"/> b. <input type="text"/>
<input type="text"/> <input type="text"/> <input type="text"/> City State/province Country	<input type="text"/> to <input type="text"/>
Nearby substance emitting facilities (within 1 mile) <input type="checkbox"/> No <input type="checkbox"/> Yes - Specify below <input type="checkbox"/> Don't know <input type="text"/>	Primary source of drinking water* a. <input type="text"/> b. <input type="text"/>
<input type="text"/> <input type="text"/> <input type="text"/> City State/province Country	<input type="text"/> to <input type="text"/>
Nearby substance emitting facilities (within 1 mile) <input type="checkbox"/> No <input type="checkbox"/> Yes - Specify below <input type="checkbox"/> Don't know <input type="text"/>	Primary source of drinking water* a. <input type="text"/> b. <input type="text"/>
<input type="text"/> <input type="text"/> <input type="text"/> City State/province Country	<input type="text"/> to <input type="text"/>
Nearby substance emitting facilities (within 1 mile) <input type="checkbox"/> No <input type="checkbox"/> Yes - Specify below <input type="checkbox"/> Don't know <input type="text"/>	Primary source of drinking water* a. <input type="text"/> b. <input type="text"/>



Protocol: ACP-001

Site

Subject Barcode

Visit Date

Section VII - Environmental Exposures - Continued

45. Please provide the following information for all of the types of jobs the participant has held for longer than one year.

Type of job*		Other, specify:
<input type="text"/>		<input type="text"/>
Type of business	Worked from (year to year)	
<input type="text"/>	<input type="text"/> to <input type="text"/>	
Main activities/Duties	Work setting*	Hours per week
<input type="text"/>	<input type="text"/>	<input type="text"/> hours

Type of job*		Other, specify:
<input type="text"/>		<input type="text"/>
Type of business	Worked from (year to year)	
<input type="text"/>	<input type="text"/> to <input type="text"/>	
Main activities/Duties	Work setting*	Hours per week
<input type="text"/>	<input type="text"/>	<input type="text"/> hours

Type of job*		Other, specify:
<input type="text"/>		<input type="text"/>
Type of business	Worked from (year to year)	
<input type="text"/>	<input type="text"/> to <input type="text"/>	
Main activities/Duties	Work setting*	Hours per week
<input type="text"/>	<input type="text"/>	<input type="text"/> hours

Type of job*		Other, specify:
<input type="text"/>		<input type="text"/>
Type of business	Worked from (year to year)	
<input type="text"/>	<input type="text"/> to <input type="text"/>	
Main activities/Duties	Work setting*	Hours per week
<input type="text"/>	<input type="text"/>	<input type="text"/> hours

Type of job*		Other, specify:
<input type="text"/>		<input type="text"/>
Type of business	Worked from (year to year)	
<input type="text"/>	<input type="text"/> to <input type="text"/>	
Main activities/Duties	Work setting*	Hours per week
<input type="text"/>	<input type="text"/>	<input type="text"/> hours



Protocol: ACP-001

Site Subject Barcode

Visit Date

Section VII - Environmental Exposures - Continued

46. To the best of their knowledge, has the participant been exposed to any of the following chemicals or physical agents on a regular basis for one month or longer?

Chemical/Agent	Exposed?*	Age at onset	Length of exposure	Months	Years	Route*
1. Lead in any form	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
2. Mercury in any form (not fillings)	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
3. Zinc in any form	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
4. Insecticides	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
5. Herbicides	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
6. Fungicides	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
7. Fumigants	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
8. Oil-based paints	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
9. Paint thinners	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
10. Paint strippers	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
11. Varnishes	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
12. Adhesives	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
13. Dyes or printing inks	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
14. Cutting, cooling, or lubricating oils	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
15. Gasoline, diesel fuel, motor/fuel oil	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
16. Antifreeze or coolants	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
17. Degreasers/other cleaning agents	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
18. Mineral spirits or white spirits	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
19. Solvents like toluene or xylene	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
20. Dry cleaning agents	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
21. General anesthesia	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
22. Products used by hairdressers	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
23. Other: <input type="text"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
24. Other: <input type="text"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
25. Other: <input type="text"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>



Protocol: ACP-001

Site Subject Barcode

Visit Date

Section VII - Environmental Exposures - Continued

47. Has the participant engaged in any of the following hobbies or activities?

Hobby/Activity	Engaged in?*	Age began	For how long?	Months	Years
1. Hunting with a shotgun or muzzle loader	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>
2. Reloading ammunition	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>
3. Shooting skeet, trap, or targets	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>
4. Shooting on an indoor range	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>
5. Making fishing weights	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>
6. Painting with oil based paints	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>
7. Glazing ceramics	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>
8. Making stained glass	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>
9. Making silver jewelry	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>
10. Developing photographs	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>
11. Building models using glue	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>
12. Painting or refinishing furniture	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>
13. Repairing cars/boats, other than flat tires and oil changes	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>
14. Gardening or other yard work	<input type="text"/>			<input type="checkbox"/>	<input type="checkbox"/>
15. Other: <input type="text"/>				<input type="checkbox"/>	<input type="checkbox"/>
16. Other: <input type="text"/>				<input type="checkbox"/>	<input type="checkbox"/>
17. Other: <input type="text"/>				<input type="checkbox"/>	<input type="checkbox"/>



Protocol: ACP-001

Page 33 of 89

Site

Subject Barcode

Visit Date

Section VII - Environmental Exposures - Continued

50. What is the participant's untanned skin tone?*

51. How does the participant's skin react when exposed to the sun in the summer for the first time without sunscreen?*

52. At the end of summer or after a two week holiday, what kind of tan would the participant have?*

53. Does the participant's skin burn after one hour of exposure, in the middle of the day, for the first time in summer, without sunscreen?

- No
- Yes, and then it peels
- Yes, without peeling
- Don't know

53a. If yes, how does the participant's skin react after burning?

- Fades to tan
- Fades to original skin tone
- Don't know

54. How many times has the participant had a sunburn that has lasted more than two days?*



Protocol: ACP-001

Site

Subject Barcode

Visit Date

Section VIII - Medications and Nutritional Supplements

55. For Cases only - Has the participant been administered any MS disease modifying medications (Rebif, Copaxone, Betaseron, Avonex, Novantrone, etc.)?

No Yes Don't know

Drug	Rte.*	Dose (include units)	Freq.	Start date (MM/YYYY)	Stop date (MM/YYYY)	Reason stopped*
<input type="text"/>						
<input type="text"/>						
<input type="text"/>						
<input type="text"/>						
<input type="text"/>						
<input type="text"/>						

56. For Cases only - Has the participant been administered any relapse/attack medications (adrenocorticotrophic hormone, prednisone, intravenous methylprednisone, etc.)? No Yes Don't know

Drug	Rte.*	Dose (include units)	Freq.	Start date (MM/YYYY)	Duration	Reason stopped*
<input type="text"/>	Taper <input type="checkbox"/> <input type="text"/>	<input type="checkbox"/> Days <input type="checkbox"/> Months <input type="checkbox"/> Years <input type="text"/>				
<input type="text"/>	Taper <input type="checkbox"/> <input type="text"/>	<input type="checkbox"/> Days <input type="checkbox"/> Months <input type="checkbox"/> Years <input type="text"/>				
<input type="text"/>	Taper <input type="checkbox"/> <input type="text"/>	<input type="checkbox"/> Days <input type="checkbox"/> Months <input type="checkbox"/> Years <input type="text"/>				
<input type="text"/>	Taper <input type="checkbox"/> <input type="text"/>	<input type="checkbox"/> Days <input type="checkbox"/> Months <input type="checkbox"/> Years <input type="text"/>				
<input type="text"/>	Taper <input type="checkbox"/> <input type="text"/>	<input type="checkbox"/> Days <input type="checkbox"/> Months <input type="checkbox"/> Years <input type="text"/>				
<input type="text"/>	Taper <input type="checkbox"/> <input type="text"/>	<input type="checkbox"/> Days <input type="checkbox"/> Months <input type="checkbox"/> Years <input type="text"/>				
<input type="text"/>	Taper <input type="checkbox"/> <input type="text"/>	<input type="checkbox"/> Days <input type="checkbox"/> Months <input type="checkbox"/> Years <input type="text"/>				



Protocol: ACP-001

Site Subject Barcode

Visit Date

Section VIII - Medications and Nutritional Supplements - Continued

62. Does the participant regularly take any of the following supplements?

Supplement	Taken ?*	Occasional or continuous use*	If continuous, how long?
1. Vitamin A	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="checkbox"/> Days <input type="checkbox"/> Months
2. Beta carotene	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="checkbox"/> Days <input type="checkbox"/> Months
3. Vitamin C	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="checkbox"/> Days <input type="checkbox"/> Months
4. Vitamin B-6	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="checkbox"/> Days <input type="checkbox"/> Months
5. Vitamin D	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="checkbox"/> Days <input type="checkbox"/> Months
6. Vitamin E	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="checkbox"/> Days <input type="checkbox"/> Months
7. Calcium (includes Tums, etc.)	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="checkbox"/> Days <input type="checkbox"/> Months
8. Selenium	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="checkbox"/> Days <input type="checkbox"/> Months
9. Niacin	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="checkbox"/> Days <input type="checkbox"/> Months
10. Zinc	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="checkbox"/> Days <input type="checkbox"/> Months
11. Metamucil/Citrucel (fiber)	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="checkbox"/> Days <input type="checkbox"/> Months
12. Potassium	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="checkbox"/> Days <input type="checkbox"/> Months
13. Chromium	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="checkbox"/> Days <input type="checkbox"/> Months
14. Folic acid	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="checkbox"/> Days <input type="checkbox"/> Months
15. Iron	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="checkbox"/> Days <input type="checkbox"/> Months



Protocol: ACP-001

Page 37 of 89

Site

Subject Barcode

Visit Date

Section VIII - Medications and Nutritional Supplements - Continued

62. Does the participant regularly take any of the following supplements?

Supplement	Taken ?*	Occasional or continuous use*	If continuous, how long?
16. Soy estrogen	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="checkbox"/> Days <input type="checkbox"/> Months
17. Magnesium	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="checkbox"/> Days <input type="checkbox"/> Months
18. Lecithin	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="checkbox"/> Days <input type="checkbox"/> Months
19. B-complex	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="checkbox"/> Days <input type="checkbox"/> Months
20. St. John's wort	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="checkbox"/> Days <input type="checkbox"/> Months
21. Gingko biloba	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="checkbox"/> Days <input type="checkbox"/> Months
22. Cod liver oil	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="checkbox"/> Days <input type="checkbox"/> Months
23. Vitamin B-12	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="checkbox"/> Days <input type="checkbox"/> Months
24. Co-enzyme Q10	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="checkbox"/> Days <input type="checkbox"/> Months
25. DHEA	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="checkbox"/> Days <input type="checkbox"/> Months
26. Fish oil	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="checkbox"/> Days <input type="checkbox"/> Months
27. Garlic	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="checkbox"/> Days <input type="checkbox"/> Months
28. Evening primrose oil	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="checkbox"/> Days <input type="checkbox"/> Months
29. Echinacea	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="checkbox"/> Days <input type="checkbox"/> Months
30. Ginseng	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="checkbox"/> Days <input type="checkbox"/> Months



Protocol: ACP-001

Site

Subject Barcode

Visit Date

Section VIII - Medications and Nutritional Supplements - Continued

62. Does the participant regularly take any of the following supplements?

Supplement	Taken ?*	Occasional or continuous use*	If continuous, how long?
31. Bee stings	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="checkbox"/> Days <input type="checkbox"/> Months
32. Other:	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="checkbox"/> Days <input type="checkbox"/> Months
33. Other:	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="checkbox"/> Days <input type="checkbox"/> Months

Section IX - Conclusion

63. Are there any significant events or factors, not captured in this questionnaire, that the participant would like to report which may relate to the onset of their demyelinating disease?

No Yes

64. Does the participant have any questions or comments regarding this questionnaire or this study?

No Yes



Protocol: ACP-001

Site [] Subject Barcode []

Visit Date []

Diagnosis for Study Ascertainment

Name of enrolling physician []

Date []

MM/DD/YYYY

Section I - Clinically observed signs: List the participant's signs of MS (CIS, TM, ADEM, NMO, or ON) as observed by a neurologist and check the appropriate column(s) to indicate when each was exhibited.

Observed sign	At onset	In relapses	Currently	Never observed/ Don't know
1. Cognitive dysfunction (slow information processing speed, executive dysfunction, memory loss, MMSE < 26, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Babinski sign	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Changes in mood/depression	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Sensory loss/impairment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Dysarthria	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Bulbar dysfunction (eg., dysphagia)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Scotoma	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Facial paresis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Facial twitching	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Tremor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Spasticity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Weakness in upper extremities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Clumsy or useless hand syndrome	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Appendicular ataxia in upper extremities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Weakness in lower extremities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. Appendicular ataxia in lower extremities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. Gait disorder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Pathological brisk reflexes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. Sensory level	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Loss of color vision	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. Corrected visual acuity < 20/40	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Protocol: ACP-001

Site Subject Barcode

Visit Date

Diagnosis for Study Ascertainment

Section I (Cont.) - Clinically observed signs: List the participant's signs of MS (CIS, TM, ADEM, NMO, ON) as observed by a neurologist and check the appropriate column(s) to indicate when each was exhibited.

Observed Sign	At onset	In relapses	Currently	Never observed/ Don't know
22. Pale optic disc	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23. Internuclear ophthalmoplegia	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24. Sustained nystagmus	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25. Disconjugate gaze	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26. Other: <input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
27. Other: <input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
28. Other: <input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



Protocol: ACP-001

Site

Subject Barcode

Visit Date

Diagnosis for Study Ascertainment

Section II - MRI: Please provide the following information and submit the report for the participant's earliest available MRI.

Brain MRI, date performed

Spinal cord MRI, date performed

Not done

Not done

MM/DD/YYYY

MM/DD/YYYY

Table with 9 columns: N/A = Not assessed, T1, Enhancing, T2/PD/FLAIR, Total # of MS lesions, Locations, Consistent with demyelinating disease. Rows include 1. Supratentorial, 2. Infratentorial, 3. Cervical, 4. Thoracolumbar.

Have any new lesions >= 3mm in diameter occurred in subsequent MRI's?

No Yes Not applicable Don't know

If yes, were the new lesions enhancing or non-enhancing?

Enhancing Non-enhancing Both

Section III - Cerebrospinal fluid: Please provide the following information and submit the report for the participant's earliest available cerebrospinal fluid draw that shows evidence of MS (CIS, TM, ADEM, NMO or ON).

Date performed

MM/DD/YYYY

Not done

Oligoclonal banding: No Yes, number of bands Indeterminate Not assessed

IgG index: Elevated? No Yes, result Normal range Not assessed

White cell count: /mm3 Not assessed

Total protein: mg/l mg/dl Not assessed

VDRL: Reactive Non-reactive Not assessed

Borrelia antibodies: Positive Negative Not assessed

Myelin basic protein: (ng/ml) Not elevated Elevated, result Normal range Not assessed



Protocol: ACP-001

Page 42 of 89

Site

Subject Barcode

Visit Date

Diagnosis for Study Ascertainment

Section III Cerebrospinal fluid (Cont.): Please provide the following information and submit the report for the participant's subsequent cerebrospinal fluid draws.

Date performed

Not done

MM/DD/YYYY

Oligoclonal banding: No Yes, number of bands Indeterminate Not assessed

IgG index: Elevated? No Yes, result Normal range Not assessed

White cell count: /mm³ Not assessed

Total protein: mg/l Not assessed
 mg/dl

VDRL: Reactive Non-reactive Not assessed

Borrelia antibodies: Positive Negative Not assessed

Myelin basic protein: Not elevated Elevated, result Normal range Not assessed
(ng/ml)

Section III Cerebrospinal fluid (Cont.): Please provide the following information and submit the report for the participant's subsequent cerebrospinal fluid draws.

Date performed

Not done

MM/DD/YYYY

Oligoclonal banding: No Yes, number of bands Indeterminate Not assessed

IgG index: Elevated? No Yes, result Normal range Not assessed

White cell count: /mm³ Not assessed

Total protein: mg/l Not assessed
 mg/dl

VDRL: Reactive Non-reactive Not assessed

Borrelia antibodies: Positive Negative Not assessed

Myelin basic protein: Not elevated Elevated, result Normal range Not assessed
(ng/ml)



Protocol: ACP-001

Site

Subject Barcode

Visit Date

Diagnosis for Study Ascertainment

Section IV - Evoked potentials: Please provide the following information and report for the participant's earliest available evoked potentials exam.

	Date performed	Not done	Right side*	Left side*
1. Visual	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
2. Brainstem auditory	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
3. Somatosensory				
3a. Upper limbs	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
3b. Lower limbs	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>

Section V - CNS biopsy: Please provide the following information and report for the participant's earliest available CNS biopsy.

Date performed Not done
MM/DD/YYYY

Result:

Negative Indeterminate MS

Other (specify):

Section VI - Standardized assessment scales : Please provide the following information for the participant's earliest available standardized assessment scales.

Earliest available:

	Date performed	
1. EDSS	<input type="text"/>	<input type="checkbox"/> Not done
2. 25 ft. walk	<input type="text"/> sec.	<input type="checkbox"/> Not done
3. 9 hole peg	<input type="text"/> sec.	<input type="checkbox"/> Not done
4. Ambulation index	<input type="text"/>	<input type="checkbox"/> Not done
5. MSFC	<input type="text"/>	<input type="checkbox"/> Not done



Protocol: ACP-001

Site Subject Barcode

Visit Date

Diagnosis for Study Ascertainment

Section VI (cont.) - Standardized assessment scales: Please provide the following information for the participant's most recent standardized assessment scales.

Most Recent:

		Date Performed	
1. EDSS	<input type="text"/>	<input type="text"/>	<input type="checkbox"/> Not done
2. 25 ft. walk	<input type="text"/> sec.	<input type="text"/>	<input type="checkbox"/> Not done
3. 9 hole peg	<input type="text"/> sec.	<input type="text"/>	<input type="checkbox"/> Not done
4. Ambulation index	<input type="text"/>	<input type="text"/>	<input type="checkbox"/> Not done
5. MSFC	<input type="text"/>	<input type="text"/>	<input type="checkbox"/> Not done

Section VII - Differential diagnosis: Please provide the following information and report for any of the following exams performed on the participant to rule out other conditions.

Condition (test)	Result		
	Not Done	POS.	NEG.
Neuroophthalmic (e.g. slit lamp exam)			
1. Uveitis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Neuroretinitis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Other <input type="text"/>		<input type="checkbox"/>	<input type="checkbox"/>
Genetic (Mendelian)			
4. Metachromatic leukodystrophy (arylsulfatase A)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Adrenoleukodystrophy (serum very long chain fatty acids)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Krabbe's disease (WBC betagalactocerebrosidase)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. CADASIL (Notch 3 gene mutation)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Other <input type="text"/>		<input type="checkbox"/>	<input type="checkbox"/>
Metabolic			
9. B-12 deficiency	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Folate deficiency	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Vitamin E deficiency	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Neoplastic granulomatous disease/sarcoidosis			
12. ACE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Chest X-ray	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Protocol: ACP-001

Site Subject Barcode

Visit Date

Diagnosis for Study Ascertainment

Section VII (cont.)- Differential diagnosis:

Condition (test)	Not done	Result	
		POS.	NEG.
Infectious			
14. VDRL, MHA-TP, or RPR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Borrelia IgG	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. Borrelia IgM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. HTLV- I/II	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. HIV	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. HSV-1 antibody	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. HSV-2 antibody	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. CMV antibody	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22. Hepatitis A antibody	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23. Hepatitis B surface antigen	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24. Hepatitis B antibody	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25. Hepatitis C antibody	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26. Hepatitis C surface antigen	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hypercoagulable/Inflammatory			
27. Sjogren's syndrome (SSA, SSB)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
28. Lupus (DS DNA)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
29. Protein S	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30. Protein C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
31. ANCA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
32. ESR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
33. Antiphospholipid antibody	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
34. Anti-cardiolipin antibody	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
35. Lupus anticoagulant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
36. ANA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
37. Rheumatoid factor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
38. C3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
39. C4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
40. General anti-ENA panel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
41. Leiden mutation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Protocol: ACP-001

Site

Subject Barcode

Visit Date

Diagnosis for Study Ascertainment

Section VII (cont.) - Differential diagnosis:

Condition (test)		Result
Hematologic		
	Not done	
42. White blood count (x10 ³ /mm ³)	<input type="checkbox"/>	<input type="text"/>
43. Red blood count (x10 ⁶ /mm ³)	<input type="checkbox"/>	<input type="text"/>
44. Platelets (x10 ³ /mm ³)	<input type="checkbox"/>	<input type="text"/>
45. Polys (absolute) (x10 ³ /mm ³)	<input type="checkbox"/>	<input type="text"/>
46. Monocytes (absolute) (x10 ³ /mm ³)	<input type="checkbox"/>	<input type="text"/>
47. EOS (absolute) (x10 ³ /mm ³)	<input type="checkbox"/>	<input type="text"/>
48. Basos (absolute) (x10 ³ /mm ³)	<input type="checkbox"/>	<input type="text"/>
49. Lymphs (absolute) (x10 ³ /mm ³)	<input type="checkbox"/>	<input type="text"/>
Pathological specimens		
50. Biopsy	<input type="checkbox"/>	
Tissue type <input type="text"/>	Result <input type="text"/>	
51. Biopsy	<input type="checkbox"/>	
Tissue type <input type="text"/>	Result <input type="text"/>	
52. Biopsy	<input type="checkbox"/>	
Tissue type <input type="text"/>	Result <input type="text"/>	
53. Biopsy	<input type="checkbox"/>	
Tissue type <input type="text"/>	Result <input type="text"/>	

Section VIII - ASIA impairment scale

Has the participant been diagnosed with TM or NMO?

- No
- Yes
- Don't know

If Yes, what was the ASIA impairment scale score?

At onset: A B C D Don't Know

At most recent exam: A B C D Don't Know



Protocol: ACP-001

Page 47 of 89

Site

Subject Barcode

Visit Date

Investigator Signature

INVESTIGATOR SIGNATURE

The investigator's signature on this page verifies that he/she has reviewed all the data recorded on the Case Report Form, and has reviewed all the data queries and resolutions pertaining to this Subject generated by the Sponsor and/or the site monitors.

Investigator's Signature

Date

MM/DD/YYYY