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Ľ	oroject s	Site Subject Barcode							
	for multiple								
	Confirmation of Consent (to be completed by interviewer) I confirm that the participant has signed the informed consent.								
		Interviewer Name MM/DD/YYYY							
Ca	se Inclus	ion Criteria - Must be "Yes"							
1.	TM, ADEM, No constellation or myelin wit	with at least one CNS demyelinating event characteristic of MS, NMO, ON or CIS. A demyelinating event is defined as a symptom or of symptoms referable to the disruption of the CNS white matter hin gray matter. Characteristic syndromes include hemibody sensory aptoms, mono-sensory symptoms, monoparesis, brainstem syndrome	□ No □ Yes						
		syndrome, lasting at least 24 hours and not acute in onset.							
2.		t least 18 years old and able to give informed consent.	☐ No ☐ Yes						
3.	Individuals w	rilling and able to provide up to 110 ml blood via venipuncture.	☐ No ☐ Yes						
Ca:	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.	•	vith a history of blood borne pathogens (e.g., Hepatitis, HIV/AIDS) due to	☐ No ☐ Yes						
	Laboratory re	estrictions.							
3.	Individuals with a history of allogenic bone marrow transplant due to changes in genetic No Yes material.								
Co	ntrol Inc	lusion Criteria - Must be "Yes"							
1.	Related and events chara	unrelated individuals who have not experienced any CNS demyelinating acteristic of MS, TM, ADEM, NMO, ON or CIS and have not been diagnosed with nating disease.	☐ No ☐ Yes						
2.	Individuals a	t least 18 years old and able to give informed consent.	☐ No ☐ Yes						
3.	Individuals w	rilling and able to provide up to 110 ml blood via venipuncture.	☐ No ☐ Yes						
	Control Exclusion Criteria - Must be "No"								
1.	peripheral ne	vith clinical or radiological evidence of stroke, meningitis, neoplastic, ervous system or primary muscle disease, or other well characterized diseases of the nervous system (to help eliminate related neurological oms).	☐ No ☐ Yes						
2.	Individuals w	vith a history of bloodborne pathogens (e.g., Hepatitis, HIV/AIDS) due to	☐ No ☐ Yes						
3.	•	vith a history of allogenic bone marrow transplant due to changes in genetic	☐ No ☐ Yes						

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project		Visit Date		
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Laboratory As	ssessment			
Date of blood drav	v			
	MM/DD/YYYY			
Time of blood dra	W HH:MM			
When was the las	et time the participant had something to eat or drink besides water?			
HH:MM	MM/DD/YYYY			
When was the las	et time the participant smoked? HH:MM MM/DD/YYYY	Not applicable		
· · · · · · · · · · · · · · · · · · ·	nt had any medications today (including birth control, vitamins, aspirin, etc.)?	☐ Yes ☐ No		
If yes, spe medication na				
	o weeks, when did the participant last have a dose of non-MS (TM, ADEM, NMC), ON) related		
medication (presc				
	MM/DD/YYYY			
Specify medicatio	n name(s):			
When did the part	cicipant last have a dose of MS (TM, ADEM, NMO, ON) related drug?			
	☐ Not applicable			
MN	I/DD/YYYY			
Specify medicatio	n name(s):			
		_		
Has the participar If yes, spe	nt had any immunizations in the last year (including flu shot)? Yes No ecify:	Don't know		
, ,				
	nt had a tetanus shot in the last 10 years? Yes No Don't know			
If yes, spe	ecify when: MM/DD/YYYY			
Has the participar	nt had any alcohol or done any recreational drugs in			
th	ne last 2 months? Yes No Specify:			
	ne last 2 weeks?			

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project	Site	Subject Barcode	——————————————————————————————————————	Visit Date			
for muttiple		subject Barcode					
Interview Info	rmation						
	Interview date (MM/DD/YYY)	Start time (HH:MM)	End tim (HH:MN	ne M)			
Has the participa	nt experienced any of the f	following symptoms in the past 24 h	ours?				
Runny nose							
Study Complet	ion						
Reason for with Carlotte With Lost Scre Spor	MM/DD/YYYY chdrawal: drew informed consent to follow-up een failure nsor decision	☐ Yes ☐ No					

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project 🙀					Visit Date			
for multiple Site		Subj	ect Barcode					
Section I Demographic	c Info	ormation						
1. Date of birth MM/DD/YY	′YY							
2. Gender Male Female								
3. Height in cm								
4. Weight Bb kg								
5. Dominant hand*								
6. Education - number of years of	complete	ed (including elen	nentary school)					
7. Current marital status*								
8. Employment status - Select o		☐ Student		☐ Unemployed n	ot looking for work			
☐ Employed at home		☐ Worker's co	mpensation	Disabled, at ag	ge			
☐ Homemaker		Unemployed	d looking for work	Retired, not dis	sabled, at age			
9. Domestic status Living alone Living with spouse/partner Living with sibling Living with children Living with parent	☐ Yes☐ Yes☐ Yes☐ Yes☐ Yes☐ Yes☐ Yes☐ Yes	No No No	Living with other rel Living with friend/co Living with domesti Living with health re Living in nursing or	ompanion ic help elated companion	☐ Yes ☐ No			

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Cure PIOC	cocol: AC	P-001							Date	_
project Site	Subject	Barco	ode							
Section II Ethnic Background										_
					ier	ther	ner	ther		
10.		ant			Father's father	Father's mother	Mother's father	Mother's mother		
Ethnicity		Participant	Father	Mother	ther	ther	other	other		
1. Hispanic or Latino		<u>P</u> a		<u>¥</u>		<u>_</u>	<u>ĭ</u>	<u> </u>	1	
2. Non Hispanic or Latino							$\frac{\sqcup}{\sqcap}$		1	
3. Don't know			$\frac{\square}{\sqcap}$		$\overline{}$	$\frac{\sqcup}{\sqcap}$	$\frac{\sqcup}{\sqcap}$		-	
Race						Ш				
1. American Indian or Alaska Native									7	
2. Middle Eastern			$\frac{\square}{\square}$			<u> </u>	$\frac{\square}{\square}$		-	
3. South Asian*			$\frac{\square}{\square}$				<u> </u>		1	
4. Other Asian			$\frac{\square}{\square}$				$\frac{\square}{\square}$		-	
5. Black or African American			$\frac{\square}{\square}$				$\frac{\square}{\square}$		-	
6. Native Hawaiian or other Pacific Islander			$\overline{}$						1	
7. White			$\frac{\square}{\square}$	$\frac{\Box}{\Box}$	$\frac{\Box}{\Box}$	$\frac{\square}{\square}$	$\frac{\square}{\square}$		-	
8. Don't know			$\frac{\square}{\square}$	$\frac{\square}{\sqcap}$	$\frac{\square}{\sqcap}$	$\frac{\square}{\sqcap}$	$\frac{\square}{\sqcap}$		-	
*South Asian countries include:India, Nepal,	Pakistan Rhutan l	Banglade	sh M:	 aldives	Sri I	anka a	nd Sux	zadives		
11. Where was the participant born?	Tukisun, Diatun,	Bungiaac	511, 111	arar v Co	, 511 _	umu u	na ba	aci ves.		
State/Province (if applicable)				Cc	ountry					
State, Fevilles (il applicable)					- ariary					
12. Where was the participant's father born	?									
State/Province (if applicable)	•			Cc	ountry					
State, Fevilles (il applicable)	☐ Don't know				, arrary		\neg	□ Don'	t know	
13. Where was the participant's mother bor	_						'			
State/Province (if applicable)				Cc	ountry					
				- Carrary		\neg	□ Don'	t know		
□ Don't know □ □ Don't know 14. In what countries were the participant's grandparents born?										
Father's father										
	☐ Don't know							Don'	t know	

☐ Don't know

Mother's mother

☐ Don't know

Mother's father

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Site Subject Barcode

Section III Family History

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

Relationship	Year of birth	Alive	MS	Dominant hand*
Father		☐ No ☐ Yes ☐ Don't know	☐ No ☐ Yes ☐ Don't know	
Mother		☐ No ☐ Yes ☐ Don't know	☐ No ☐ Yes ☐ Don't know	
Father's father		☐ No ☐ Yes ☐ Don't know	☐ No ☐ Yes ☐ Don't know	
Father's mother		☐ No ☐ Yes ☐ Don't know	☐ No ☐ Yes ☐ Don't know	
Mother's father		NoYesDon't know	☐ No ☐ Yes ☐ Don't know	
Mother's mother		☐ No ☐ Yes ☐ Don't know	☐ No ☐ Yes ☐ Don't Know	

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Site Subject Barcode III Family History -Continued Section 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* ∏Male ∏No ΠNο First Female Yes ∃Yes Don't know Don't know Male ΠNο ∏No Second Female] Yes] Yes Don't know Don't know Male □No ΠNο Third Female Yes Yes Don't know Don't know Male ∏No ΠNο Fourth Female ∃Yes ∃Yes Don't know Don't know Male ∏No □No Fifth Female Yes] Yes Don't know Don't know ∏No Male ΠNο Sixth Female Yes Yes Don't know Don't know Male ∏No Πo Seventh Female Yes ∃Yes Don't know Don't know Male Πo □No Eighth Female Yes Yes Don't know Don't know Male □No ΠNο Ninth Female Yes Yes Don't know Don't know

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Section III Family H	istor	y - Continued			
16a. Does the participant have	any half	siblings? If yes, please	provide the followi	ng information	for the participant's
half siblings.		∕es ☐ Don't know			
Year of birth Gender		Alive	MS	Doi	minant hand*
☐ Male ☐ Femal	е	☐ No ☐ Yes ☐ Don't know	□ No □ Yes □ Don't know		
☐ Male ☐ Femal	е	☐ No ☐ Yes ☐ Don't know	☐ No ☐ Yes ☐ Don't know		
☐ Male ☐ Femal	е	☐ No ☐ Yes ☐ Don't know	☐ No ☐ Yes ☐ Don't know		
☐ Male ☐ Femal	е	☐ No ☐ Yes ☐ Don't know	☐ No ☐ Yes ☐ Don't know		
17. Was the participant part of	a multip	le birth?			
17a. If yes, was the partic	ipant ide	entical or fraternal?			
17b. If yes, how many sib	lings alt	ogether were involved	in the multiple birth	(including the	participant)?
Does the participant have a please describe the specification.				ave been diagr	nosed with MS? If yes,
□ No □ Yes		Oon't know			
Relationship	T	Describe			
1. Uncle(s) father's side					
2. Uncle(s) mother's side					
3. Aunt(s) father's side					
4. Aunt(s) mother's side					
5. 1st cousin(s) father's side					
6. 1st cousin(s) mother's side					
7. 2nd cousin(s) father's side				· · · · · · · · · · · · · · · · · · ·	
8. 2nd cousin(s) mother's side					

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Section III	Family History - Continued	
19. Does the par ☐ No	ticipant have any children? ☐ Yes ☐ Don't know	
Indicate the num	ion - Please provide the following information for every person the participant has ber of children birthed between the participant and each partner recorded. Refer ace reference numbers.	
Partner	Year of birth Gender Alive MS D	ominant hand*
1.	Male No No Female Yes Yes Don't know Don't know	
Ethnicity	Mother's ethnicity Father's ethnicity	
Race	Mother's race Father's race	
Number of childre	en Birth state/Province Birth country	
Partner	Year of birth Gender Alive MS D	ominant hand*
2.	Male No No Female Yes Yes Don't know Don't know	
Ethnicity	Mother's ethnicity Father's ethnicity	
Race	Mother's race Father's race	
Number of childre	en Birth state/Province Birth country	
Partner	Year of birth Gender Alive MS D	ominant hand*
3.	☐ Male ☐ No ☐ No ☐ No ☐ Female ☐ Yes ☐ Yes ☐ Don't know ☐ Don't know	
Ethnicity	Mother's ethnicity Father's ethnicity	
Race	Mother's race Father's race	
Number of childre	en Birth state/Province Birth country	

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Site Subject Barcode

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 Bartner		☐ Male ☐ Female	☐ No ☐ Yes ☐ Don't know	☐ No ☐ Yes ☐ Don't know	
Second		☐ Male ☐ Female	☐ No ☐ Yes ☐ Don't know	☐ No ☐ Yes ☐ Don't know	
Third		☐ Male ☐ Female	☐ No ☐ Yes ☐ Don't know	☐ No ☐ Yes ☐ Don't know	
Fourth		☐ Male ☐ Female	☐ No ☐ Yes ☐ Don't know	☐ No ☐ Yes ☐ Don't know	
Fifth		☐ Male ☐ Female	☐ No ☐ Yes ☐ Don't know	☐ No ☐ Yes ☐ Don't know	
Sixth		☐ Male ☐ Female	☐ No ☐ Yes ☐ Don't know	☐ No ☐ Yes ☐ Don't know	
Seventh		☐ Male ☐ Female	☐ No ☐ Yes ☐ Don't know	☐ No ☐ Yes ☐ Don't know	
Eighth		☐ Male ☐ Female	☐ No ☐ Yes ☐ Don't know	☐ No ☐ Yes ☐ Don't know	
Ninth		☐ Male ☐ Female	☐ No ☐ Yes ☐ Don't know	☐ No ☐ Yes ☐ Don't know	

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for mult	Site Subject Barcode				
Section IV Demyelinating Diseases					
☐ N/A - N	Mark if this is a Control without a demyelinating disease and skip to Section V - Med	ical history			
21. Is the p	articipant currently diagnosed with Multiple Sclerosis?				
21a. lf	yes, at what age was the participant diagnosed with Multiple Sclerosis by a neurolog	gist or other physician?			
No	Thich of the following best characterizes the participant's disease? Ste: An exacerbation is defined as a development of new symptoms or a worsening of the steel of the stee	f existing symptoms that			
	Clinically isolated syndrome (not Optic Neuritis or Transverse Myelitis) - Participan one exacerbation.	t has experienced only			
	Date of occurrence MM/DD/YYYY				
	Relapsing remitting - Participant has experienced two or more exacerbations of bei time followed by an improvement in condition. In between exacerbations the participant has experienced two or more exacerbations of bei	-			
	Secondary progressive - 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? Years old				
	Primary progressive - From onset, participant's disease has steadily progressed, evan exacerbation.	ven when not having			
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?					
21e. How many relapses did the participant experience within the first two years?					
21f. How many relapses has the participant experienced in the last year?					
21g. A	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					

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│∏None

	MM/DD/YYYY	_		
21e. Treatments for first attack				
Steroids				
☐ Plasmapheresis				
☐ Cytoxan				
☐ Other, specify:				

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

☐ Don't know

21d. Date of first treatment

□ NO	
Yes, specify date of onset:	
☐ Don't know	MM/DD/YYYY

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

Fever	Chills		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 Y

es, 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		Don't know					

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Section IV Demyelinating	Diseases	L	
21h. Have there been multipl ☐ No ☐ Yo	e attacks? es		
Date of subsequent attacks	Treatment of subs	equent attacks	
MM/DD/YYYY	☐ Steroids☐ Plasmapheresis☐ Cytoxan☐ Don't know	☐ None ☐ Other, specify:	
MM/DD/YYYY	☐ Steroids☐ Plasmapheresis☐ Cytoxan☐ Don't know	☐ None ☐ Other, specify:	
MM/DD/YYYY	☐ Steroids☐ Plasmapheresis☐ Cytoxan☐ Don't know	☐ None ☐ Other, specify:	

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project	Visit Date
Subject Barcode Subject Barcode	
Section IV Demyelinating Diseases	
21. Is the participant currently diagnosed with Neuromyelitis Optica?	
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 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 MM/DD/YYYY	
21i. Were symptoms of last attack visual or spinal? ☐ Visual ☐ Spinal	

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

Both

☐ Don't know

☐ Don't know

Yes, specify medication name(s):

Accelerated Cure project section IV	Sit.	e	Subject	P-001 Barcode	Page 11 of 89 Visit Date	
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/YYYYY 21c. Date of first treatment MM/DD/YYYYY 21d. Treatments for first attack Steroids Plasmapheresis Cytoxan Other, specify:						
21f. Was p	Right ain presen No	☐ Left It in the eye? ☐ Yes	☐ Both ☐ Don't	☐ Don't know		
	No ee of recove	☐ Yes ery from first attack		know		
Date of recurre	nce	Eye*		Treatment of recurrence	ce	
MM/DD/YYY			Steroids Plasmaphere Cytoxan Don't know	Other, specify below:	None	
MM/DD/YYY	Υ		Steroids Plasmaphere Cytoxan Don't know	Other, specify below:	□None	
	$\Box \top$		Steroids Plasmaphere	Other, specify below:	□None	

☐ Cytoxan ☐ Don't know

MM/DD/YYYY

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		1	Visit	Date
Site	Subject	Barcode		

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ec	ction IV	Demyelinat	ing Diseas	es			•		
2	21. Is the parti ☐ No	-	v diagnosed with es	Acute Dissen	ninated Enceph	alomyelitis?			
	21a. Date	of diagnosis	MM/DD/YYY	/Y					
	21b. Date	of first sympton	ms MM/DD/	YYYY					
	21c. Date	of first treatme	nt MM/DD/		None				
	21d. Treat	ment] Steroids] Plasmapheres] Cytoxan] Other, specify] Don't know							
	21e. Hosp	italization for tr] No] Yes, specify n] Don't know	eatment umber of days:	d	ays				
	21f. Prior i	illness (within 3] No] Yes, specify d] Don't know	0 days of onset)	MM/DD/Y	YYYY				
	If		ness (check all t Chills] Muscle aches]Coughing	6		arrhea uffy nose	
		Other, spe							
	21g. Prior	vaccination (w] No] Yes, specify o] Don't know		D/YYYY	set)				
	lf`		ccine (check all ox (varicella) B	☐ Germa ☐ Mumps ☐ Polio (☐ Travel		ella) 🔲] Hepat	oral vaccine) ot	



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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.

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

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Section V Medic	al History			
23a. Has the	participant experie ☐ Yes	nced any significant hea	ad injuries?	
Description of inj	ury		Cause of injury	
Date occurred (N	/IM/YYYY)	Age	Loss of consciousness	
		Years	☐ No ☐ Yes	
Medical attention	n received - check	all that apply	Complications/Outcome	
☐ M.D. visit	☐ Hospitalization	Rehabilitation		
E.R. visit	Surgery	☐ Intensive care		
Description of inj	ury		Cause of injury	
Date occurred (N	/IM/YYYY)	Age	Loss of consciousness	
		Years	☐ No ☐ Yes	
1	n received - check		Complications/Outcome	
M.D. visit	Hospitalization	Rehabilitation		
E.R. visit	Surgery	☐ Intensive care		
23b. Has the	participant experie ☐ Yes	nced any significant spi	ne injuries?	
Description of inj	ury		Cause of injury	
Date occurred (M	MM/YYYY)	Age	Loss of consciousness	
		Years	□ No □ Yes	
Medical attention	— n received - check :	all that apply	Complications/Outcome	

Cause of injury

☐ No

Loss of consciousness

Complications/Outcome

☐ Yes

☐ M.D. visit

E.R. visit

M.D. visit

E.R. visit

Description of injury

Date occurred (MM/YYYY)

Hospitalization

Surgery

Medical attention received - check all that apply

Surgery

Rehabilitation

☐ Intensive care

☐ Intensive care

Years

Age

☐ Hospitalization ☐ Rehabilitation

Site Subject Barcode 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 Date occurred (MM/YYYY) Age Loss of consciousness Medical attention received - check all that apply Complications/Outcome M.D. visit Hospitalization Rehabilitation E.R. visit Surgery Intensive care Description of injury Cause of injury Date occurred (MM/YYYY) Age Loss of consciousness Medical attention received - check all that apply Complications/Outcome M.D. visit Hospitalization Rehabilitation E.R. visit Surgery Intensive care 24. Has the participant undergone any surgeries (e.g., dental extraction, tonsillectomy, D&C, etc.)?	Page 14 of 89	ACP-001	Protocol:	Accelerated Cure
23c. Has the participant experienced any significant injuries other than head or spine? No	Visit Date	ect Barcode	Subje	Site
Description of injury Cause of injury Date occurred (MM/YYYY) Age Loss of consciousness Medical attention received - check all that apply Complications/Outcome E.R. visit Surgery Intensive care Cause of injury Date occurred (MM/YYYY) Age Loss of consciousness No Yes Medical attention received - check all that apply Complications/Outcome M.D. visit Hospitalization Rehabilitation E.R. visit Surgery Intensive care 24. Has the participant undergone any surgeries (e.g., dental extraction, tonsillectomy, D&C, etc.)?			istory - Continued	Section V Medical Hi
Description of injury Cause of injury Date occurred (MM/YYYY) Age Loss of consciousness Years No Yes Medical attention received - check all that apply E.R. visit Surgery Intensive care Description of injury Cause		juries other than head or spine?	xperienced any significant in	
Medical attention received - check all that apply M.D. visit		Cause of injury		
Years				
Medical attention received - check all that apply M.D. visit		Loss of consciousness	Age	Date occurred (MM/YYYY)
M.D. visit		☐ No ☐ Yes	Years	
E.R. visit Surgery Intensive care		Complications/Outcome	check all that apply	Medical attention received - che
Description of injury Cause of injury Date occurred (MM/YYYY) Age Loss of consciousness No Yes Medical attention received - check all that apply Complications/Outcome M.D. visit Hospitalization Rehabilitation E.R. visit Surgery Intensive care 24. Has the participant undergone any surgeries (e.g., dental extraction, tonsillectomy, D&C, etc.)?				
Years		Cause of injury		
Years				
Years		Loss of consciousness	Age	Date occurred (MM/YYYY)
M.D. visit Hospitalization Rehabilitation E.R. visit Surgery Intensive care 24. Has the participant undergone any surgeries (e.g., dental extraction, tonsillectomy, D&C, etc.)? No Yes		☐ No ☐ Yes	Years	
M.D. visit Hospitalization Rehabilitation E.R. visit Surgery Intensive care		Complications/Outcome	check all that apply	uedical attention received - che
E.R. visit Surgery Intensive care 24. Has the participant undergone any surgeries (e.g., dental extraction, tonsillectomy, D&C, etc.)? No Yes				
□ No □ Yes				
□ No □ Yes				
		ental extraction, tonsillectomy, D&C, etc	gone any surgeries (e.g., d	
rype or surgery Age General anestnesia Local anesthesia	al anesthesia	General anesthesia Lo	Age	Type of surgery

☐ No ☐ Don't know ☐ No ☐ Don't know Years ☐ Yes ☐ Yes ☐ No ☐ Don't know ☐ No ☐ Don't know Years ☐ Yes ☐ Yes ☐ No ☐ Don't know ☐ No ☐ Don't know Years ☐ Yes Yes ☐ No ☐ Don't know ☐ No ☐ Don't know Years ☐ Yes ☐ Yes Don't know □No ☐ No ☐ Don't know Years ☐ Yes ☐ Yes ☐ No ☐ Don't know ☐ No ☐ Don't know Years ☐ Yes ☐ Yes □No □No ☐ Don't know Don't know Years ☐ Yes ☐ Yes ☐ No ☐ Don't know ☐ No ☐ Don't know Years ☐ Yes ☐ Yes

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V Medical History Continued Section 25. Has the participant or any blood relative had any of the following autoimmune or inflammatory diseases/disorders? If yes, complete the chart and provide the age of onset for the participant only. Child/Grandchild Maternal relative Paternal relative Age of onset Don't know Sibling Mother Father None Participant* Disease/Disorder 1. Guillain-Barre syndrome 2. Myasthenia gravis 3. Graves disease 4. Hyperthyroidism 5. Hashimoto's thyroiditis 6. Hypothyroidism 7. Dermatomyositis 8. Polymyositis 9. Addison's disease 10. Systemic lupus erythematosus 11. Rheumatoid arthritis 12. Other arthritis/don't know the type 13. Crohn's disease 14. Ankylosing spondylitis 15. Polyglandular autoimmune syndrome 16. Autoimmune hemolytic anemia 17. Sarcoidosis 18. Vasculitis or arteritis 19. Anterior uveitis or iritis 20. Psoriasis 21. Eczema 22. Primary biliary cirrhosis 23. Type 1 diabetes mellitus 24. Polymyalgia rheumatica 25. Rheumatic fever

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Section V Medical History	- Continued									
25. Autoimmune and inflammatory diseas	es/disorders cont					tive	ative	ChildGgrandchild		
		Age of onset (years)				Paternal relative	Maternal relative	and	MO	
		of o ears	ē	Jer	р	ınal	erna	JGgl	Don't know	Ф
Disease/Disorder	Participant*	Age (V	Father	Mother	Sibling	Pate	Mate	Chik	Don	None
26. Scleroderma										
27. Vitiligo										
28. Asthma										
29. Seasonal allergies										
30. Sjogren's syndrome										
31. Ulcerative colitis										
32. Goodpasture's syndrome										
33. Idiopathic thrombocytopenic purpura										
34. Inflammatory arthropathies										
35. Autoimmune hepatitis (liver disease)										
36. Celiac disease										
37. Food/drug										
allergy:	_									
38. Food/drug										
allergy:										
39. Food/drug										
allergy:										
40. Other:										
41. Other:										
42. Other:										
	<u> </u>									

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Section V Medical History - Continued 26. Has the participant or any blood relative had any of the following neurological diseases/disorders? If yes, complete										
the chart and provide the age of onset for t	he participant onl	у.								
Disease/Disorder	Participant*	Age of onset (years)	Father	Mother	Sibling	Paternal relative	Maternal relative	Child/Grandchild	Don't know	None
1. Bell's palsy										
2. Trigeminal neuralgia/Tic douloureux										
3. Amyotrophic lateral sclerosis										
(Lou Gehrig's disease)										
4. Meningitis or encephalitis										
5. Parkinson's disease										
6. Migraine headaches										
7. Transverse myelitis										
8. Epilepsy or seizures										
9. Optic neuritis										
10. Alzheimer's disease										
11. Stroke										
12. Other:										
13. Other:										
14. Other:										
		. '								

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Visit Date

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Subject Barcode Section V Medical History Continued 27. Has the participant or any blood relative had any of the following infectious diseases/disorders? If yes, complete the chart and provide the age of onset for the participant only. Maternal relative Child/Grandchild Paternal relative Age of onset Don't know (years) Mother Sibling None Participant* Disease/Disorder 1. Mononucleosis/Epstein Barr virus 2. Viral hepatitis (A, B, C) 3. Chickenpox 4. Shingles 5. German measles (rubella) 6. Measles (rubeola) 7. Strep throat 8. Mumps 9. Febrile seizures 10. Lyme disease 11. Polio 12. Tuberculosis 13. Cold sores 14. Syphilis 15. Gonorrhea 16. Genital herpes 17. Chlamydia 18. HIV/AIDS 19. Mycoplasma pneumonia 20. Other: 21. Other: 22. Other:

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Section V Medical History - Continued													
28. Has the participant or any blood relative had any of the following cancers (primary)? If yes, complete the chart and provide the age of onset for the participant only.													
provide the	age	of onset for	r the participa	ant only.					ĕ.	ive	hild		
					set				elati	relat	ndcl	>	
					ye of ons (years)	_	_	D	Jalr	nal	Gra	kno	
Disease/Dis	ordo			Participant*	Age of onset (years)	Father	Mother	Sibling	Paternal relative	Maternal relative	Child/Grandchild	Don't know	None
				Faiticipant	_₹ ¬l	<u>iĽ</u>		<u></u>	<u> </u>				z
1. Breast ca					1		<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. Prostate	cano	cer			<u> </u>						Ш		
3. Lung can	cer]								
4. Colon ca	ncer]								
5. Ovarian o	cance	er											
6. Skin can	cer				1								
7. Metastatic brain tumor			i										
8. Primary brain tumor			1										
9. Lymphon	na				1								
10. Leukem	nia												
11. Head &	necl	cancer											
13. Renal ca	ance	r											
14. Cervical	l can	cer											
15. Other:													
16. Other:					1								
17. Other:					1								
					1								
						<u> </u>							

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Section V Medical History - Continued													
29. Has the participant or any blood relative had any of the following other diseases/conditions? If yes, complete the													
chart and provide the age of onset for the participant only. • • • • • • • • • • • • • • • • • • •													
Age of onset to the barticipant only. Age of onset (years) Age of onset (years)													
		ye of on (years)	Father	Mother	Sibling	terna	terna	9/pli	n't k	ne			
Disease/Disorder	Participant*	Ag (Fat		- Sib	Pa		ਠਿ		None			
1. Chronic fatigue syndrome													
2. Fibromyalgia													
3. Raynaud's syndrome													
4. Diabetes mellitus (not type I, unrelated													
to pregnancy)													
5. Gallstones													
6. Gastric or duodenal ulcer													
7. Kidney stones													
8. Other kidney disease:													
9. Endometriosis													
10. Uterine fibroids													
11. Polycystic ovarian syndrome													
12. Interstitial cystitis													
(not urinary tract infection)													
13. Anemia/low blood count													
14. Heart disease													
15. Vascular malformation or aneurism													
Location:													
16. High cholesterol													
17. Hypertension													
18. Stroke													
19. Obesity													
20. Emphysema/Bronchitis/COPD													
21. Osteoporosis													
22. Alcoholism													

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Section V Medical History - C	Continued									
29. Other diseases/conditions continued.										
Disease/Disorder	Age of onset (years)	Father	Mother	Sibling	Paternal relative	Maternal relative	Child/Grandchild	Don't know	None	
23. Drug addiction										
24. Dementia										
25. Mental illness										
26. Depression										
27. Pernicious anemia (associated with										
B12 deficiency)										
28. Osteoarthritis										
29. Other										
30. Other:										
31. Other:										

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Section V M	edical History -	Continued			•			
30. Has the partici	ipant received any of the fo	ollowing vaccinations						
Disease	V	accinated	Age (year	s)	Country			
1. Chickenpox (va	aricella)	☐ No ☐ Yes ☐ Don't know	□ < 5 □ 5 - 9 □ 10-14	☐ 15 - 19 ☐ 20 - 25 ☐ > 25				
2. German Measl	les (rubella)	☐ No ☐ Yes ☐ Don't know	☐ < 5 ☐ 5 - 9 ☐ 10-14	☐ 15 - 19 ☐ 20 - 25 ☐ > 25				
3. Measles (rube	ola)	☐ No ☐ Yes ☐ Don't know	□ < 5 □ 5 - 9 □ 10-14	☐ 15 - 19 ☐ 20 - 25 ☐ > 25				
4. Smallpox		☐ No ☐ Yes ☐ Don't know	☐ < 5 ☐ 5 - 9 ☐ 10-14	☐ 15 - 19 ☐ 20 - 25 ☐ > 25				
5. Mumps		☐ No ☐ Yes ☐ Don't know	☐ < 5 ☐ 5 - 9 ☐ 10-14	☐ 15 - 19 ☐ 20 - 25 ☐ > 25				
6. Hepatitis A		☐ No ☐ Yes ☐ Don't know	☐ < 5 ☐ 5 - 9 ☐ 10-14	☐ 15 - 19 ☐ 20 - 25 ☐ > 25				
7. Hepatitis B		☐ No ☐ Yes ☐ Don't know	☐ < 5 ☐ 5 - 9 ☐ 10-14	☐ 15 - 19 ☐ 20 - 25 ☐ > 25				
8. Polio (shot)		☐ No ☐ Yes ☐ Don't know	□ < 5 □ 5 - 9 □ 10-14	☐ 15 - 19 ☐ 20 - 25 ☐ > 25				
9. Polio (oral vac	cine)	☐ No ☐ Yes ☐ Don't know	□ < 5 □ 5 - 9 □ 10-14	☐ 15 - 19 ☐ 20 - 25 ☐ > 25				
10. Rabies		☐ No ☐ Yes ☐ Don't know	□ < 5 □ 5 - 9 □ 10-14	☐ 15 - 19 ☐ 20 - 25 ☐ > 25				
11. Travel (e.g., year) Specify:	ellow fever, cholera, etc.)	☐ No ☐ Yes ☐ Don't know	☐ < 5 ☐ 5 - 9 ☐ 10-14	☐ 15 - 19 ☐ 20 - 25 ☐ > 25				
12. Flu shot		☐ No ☐ Yes ☐ Don't know	☐ < 5 ☐ 5 - 9 ☐ 10-14	☐ 15 - 19 ☐ 20 - 25 ☐ > 25				
Year of most rec	ent flu shot:							
Does the particip	Does the participant receive a flu shot every year?							
If yes, for h	now many consecutive yea	rs? Y	ears/					

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Section V Medi	cal History - C	Continued			
30. Has the participant	received any of the follo	wing vaccinations	? Age		
Disease	Vac	cinated	(years	s)	Country
13. Strep		☐ No ☐ Yes ☐ Don't know	□ < 5 □ 5 - 9 □ 10-14	☐ 15 - 19 ☐ 20 - 25 ☐ > 25	
14. Meningococcal		☐ No ☐ Yes ☐ Don't know	□ < 5 □ 5 - 9 □ 10-14	☐ 15 - 19 ☐ 20 - 25 ☐ > 25	
15. Other:			☐ < 5 ☐ 5 - 9 ☐ 10-14	☐ 15 - 19 ☐ 20 - 25 ☐ > 25	
16. Other:			☐ < 5 ☐ 5 - 9 ☐ 10-14	☐ 15 - 19 ☐ 20 - 25 ☐ > 25	
17. Other:			☐ < 5 ☐ 5 - 9 ☐ 10-14	☐ 15 - 19 ☐ 20 - 25 ☐ > 25	
□ No □ Yes, for appi □ Yes, unsure □ Don't know	roximately how many m	onths was the part	icipant breas	t fed?	months

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Section VI	Reproductive Hea	lth			
☐ N/A - Mark if tl	his is a male and skip to S	Section VII			
32. Is the particip	ant currently pregnant?				
□No	o Yes				
32a. If yes, w	hat is the duration of this	current pregnancy ir	ı weeks?		
	weeks				
33. Has the partic	cipant ever been pregnant	?			
	□ No □ Yes				
Year ended	Duration	Outcome*		Breastfed (ho	w long?)
	Months			□ No □	months
				☐ Yes	<1 month
	Months			☐ Yes	<1 month
	Months			□ No □	months
	IVIOLITIS			Yes	
	Months			□ No □ Yes	─────────────────────────────────────
				□ No □	☐ months
	Months			Yes	<1 month
	Months			□ No □	months
				☐ Yes L	<1 month
	Months			□ No □ Yes	☐ months ☐ <1 month
				No ┌─	 ☐ months
	Months			Yes	
	Months			□No □	months
				☐ Yes	<1 month
	Months			□ No □ Yes	<1 month
	Months			□ No □	months
	IVIOLITIES			Yes	<1 month
	Months			□ No □	months <pre> months</pre>
				☐ Yes	months
	Months			Yes	<1 month

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Section VI	Reproductive Heal	th - Continu	ıed				
34. At what age	did the participant's menst	rual cycles begin?	years old				
35. Have the par	rticipant's natural menstrua	l cycles ceased pe	rmanently?				
□ No □ Yes □ Don't know							
35a. If no oi	r don't know, what was the	date of the particip	ant's last menstrual cycle?				
			L	MM/DD/YYYY			
35b. If yes,	at what age did the particip	ant's natural mens	strual cycles cease?				
	years old						
35c. If yes,	for what reason did the par	ticipant's natural m	nenstrual cycles cease?				
□Natı	ural Surgical	Radiation or chem	notherapy				
36. Has the parti	cipant had any of the follow	ring menstrual prob	olems?				
Problem		Had in the past	Had in the past two months	Age (onset)			
1. Irregular mens	etrual evoloc	□ No □ Yes	□ No □ Yes	years			
1. Integular mens	struar cycles	☐ Don't know	_	yours			
		□No	□No				
2. Excessive pai	n during menses	☐ Yes	☐ Yes	years			
		Don't know	☐ Don't know				
		□No	□No				
3. Excessive ble	eding during menses	☐ Yes ☐ Don't know	☐ Yes ☐ Don't know	years			
·		 □ No	 □ No				
4. Premenstrual	syndrome	□ Yes	□ Yes	years			
		Don't know	☐ Don't know				
37 Has the partic	cipant ever had any other n	nenstrual problems	:?				
□No	orpanic ever mad any other n						
☐ Yes, sp	•						
☐ Don't ki	now						
38. Has the parti	cipant had her uterus surgi	cally removed?					
□No		•					
Yes, at	what age did the participan	t have her uterus re	emoved? years o	old			
39. Has the participant had either of her ovaries surgically removed?							

years old

At what age?

□No

Yes, how many ovaries did she have removed?

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project significant significan	Site [Subject Barcode	Visit Date
Section VII	- Enviror	nmental Exposures	
40. Did the partic	sipant's mother : ☐ Yes	smoke tobacco at any time while pregnant with the participant?	
41. Did anyone re	egularly smoke	in the participant's home during childhood?	
□No	☐ Yes	☐ Don't know	
42. Has the partic	cipant lived with	anyone who regularly smoked inside their home?	
42a. If yes, fo	or approximatel years	y how many years in total?	
l	nd an MS, CIS, symptoms?	TM, ADEM, NMO or ON participant, for approximately how man	y years prior to the

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Visit Date Site Subject Barcode Section VII - Environmental Exposures - Continued 43. Has the participant ever used tobacco more frequently than once per month? ☐ Yes Type of product* Years used # per day to Other: to Other: to to Other:

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Visit	Date	
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Section VII - Environmental Exposures - Continued	
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44. Please provide the following information for all of the residences the participant has lived in for longer than one year	ar.
Residence Years lived	
to	
City State/province Country Nearby substance emitting facilities (within 1 mile) Primary source of drinking water*	
□ No □ Yes - Specify below □ Don't know a.	
b.	
Residence Years lived	
to	$\exists I$
City State/province Country Nearby substance emitting facilities (within 1 mile) Primary source of drinking water*	_
No ☐ Yes - Specify below ☐ Don't know a.	
b.	
Residence Years lived	
to	\exists
City State/province Country Nearby substance emitting facilities (within 1 mile) Primary source of drinking water*	_
No ☐ Yes - Specify below ☐ Don't know a.	
b.	
Residence Years lived	
to	\neg
City State/province Country Nearby substance emitting facilities (within 1 mile) Primary source of drinking water*	_
No ☐ Yes - Specify below ☐ Don't know a.	
b.	
Residence Years lived	\exists
to	\exists
City State/province Country Primary source of drinking water*	_
Nearby substance emitting facilities (within 1 mile) ☐ No ☐ Yes - Specify below ☐ Don't know a.	
b	

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project site	Subject Ba	visit Date
ection VII - Envir	onmental Exposures - Cont	tinued
	g information for all of the types of job	s the participant has held for longer than one yea
ype of job*		Other, specify:
Type of business	Worked from (year to ye	ear)
Aain activities/Duties	Work setting*	Hours per week
idin don inco, 2 and		hours
ype of job*		Other, specify:
Type of business	Worked from (year to ye	ear)
	to	
Main activities/Duties	Work setting*	Hours per week hours
Type of job*		
ype or job		Other, specify:
Type of business	Worked from (year to ye	ear)
	to	
Main activities/Duties	Work setting*	Hours per week
		hours
ype of job*		Other, specify:
Type of business	Worked from (year to ye	
Type of business	to	
Main activities/Duties	Work setting*	Hours per week

Worked from (year to year)

Work setting*

to

Hours per week

hours

Type of business

Main activities/Duties

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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?

Chamical/Agent	Exposed?*	Age at onset	Length of exposure	Months	Years	Route*
Chemical/Agent 1. Lead in any form		11000	СХРОЗСІС	<u>-</u>		1.00.10
2. Mercury in any form (not fillings)				$\frac{\square}{\square}$		
3. Zinc in any form				<u> </u>		
4. Insecticides						
5. Herbicides						
6. Fungicides						
7. Fumigants						
8. Oil-based paints						
9. Paint thinners						
10. Paint strippers						
11. Varnishes						
12. Adhesives						
13. Dyes or printing inks						
14. Cutting, cooling, or lubricating oils						
15. Gasoline, diesel fuel, motor/fuel oil						
16. Antifreeze or coolants						
17. Degreasers/other cleaning agents						
18. Mineral spirits or white spirits						
19. Solvents like toluene or xylene						
20. Dry cleaning agents						
21. General anesthesia						
22. Products used by hairdressers						
23. Other:						
24. Other:						
25. Other:						

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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
Hunting with a shotgun or muzzle loader					
2. Reloading ammunition					
3. Shooting skeet, trap, or targets					
4. Shooting on an indoor range					
5. Making fishing weights					
6. Painting with oil based paints					
7. Glazing ceramics					
8. Making stained glass					
9. Making silver jewelry					
10. Developing photographs					
11. Building models using glue					
12. Painting or refinishing furniture					
13. Repairing cars/boats, other than					
flat tires and oil changes					
14. Gardening or other yard work					
15. Other:					
16. Other:					
17. Other:					

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Section VII		1 Exposures						
☐ No ☐ Yes								
Sport/physical a	activity	Setting		Length (year to	year)			
					to			
					to			
					to			
					to			
					to			
					to			
☐ Yes ☐ Don't know	v	Length (year to y	ear)					
Allina		Length (year to y	to					
			to					
			to					
			to					
			to					
			to					

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Section VII	- Environmental Exposures - Continued	
50. What is the p	participant's untanned skin tone?*	
51. How does the	e participant's skin react when exposed to the sun in the summer for the first tim	ne without sunscreen?*
52 At the end of	summer or after a two week holiday, what kind of tan would the participant have	? *
32. At the end of	Summer of after a two week holiday, what kind of tan would the participant have	:
without sunso	hen it peels out peeling	irst time in summer,
☐ Fades	ow does the participant's skin react after burning? s to tan s to original skin tone know	
54. How many ti	mes has the participant had a sunburn that has lasted more than two days?*	

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Section VII	Section VIII - Medications and Nutritional Supplements							
Betaseron, Avone	x, Novantrone, et		n administe	red any M	S disease modifyir	ng medicatio	ons (Rebif, C	opaxone,
Drug		Rte.*	Dose (include units)	Freq.	Start date (MM/YYYY)	Stop (MM/	date YYYY)	Reason stopped*
56. For Cases or hormone, prednis					apse/attack medic	cations (adre	enocorticotro Don't know	
Drug	R	Dos (inclu te.* unit	ıde		irt date I/YYYY)	Duration		Reason stopped*
					Taper		☐ Days ☐ Months ☐ Years	
					Taper	-	Days Months Years	
					Taper	-	Days Months Years	
					Taper	-	Days Months Years	
				1	Taper		☐ Days ☐ Months	
					Taper	·	☐ Years ☐ Days ☐ Months	
				1	Taper		☐ Years ☐ Days ☐ Months	
					Taper		☐ Years ☐ Days ☐ Months ☐ Years	

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	Section VIII - Medications and Nutritional Supplements - Continued 57. Is the participant currently taking or have they in the past taken any other medications, doctor prescribed or over							
	onger than two mo		lo 🗌	Yes [Don't know			
Drug		Rte.*	Dose (include units)	Freq.	Start date (MM/YYYY)	Stop (MM/	o date YYYY)	Reason stopped*
58. Does the par	ticipant currently t	ake a multi n't know	vitamin (ex	clude indiv	vidual vitamins)?			
58a.If yes, h	ow many does the	participan	t take per v	veek?*				
58b. If yes, w	hat specific branc	d does the	participant	usually us	e?			
50 · 1/	t. Pid e		(-1]		
	when did the partio			ivitamin?	MM/DD/YYYY	J		
59. Has the parti ☐ No [cipant received pla	asmaphere n't know	esis?					

60a. If yes, please describe:

61. Is the participant on a modified diet (Swank, vegan, vegetarian, kosher, etc.)?

No Don't know

☐ Yes

□No

60. Has the participant received any experimental treatments?

☐ Don't know

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Section VIII - Medicat	ions and Nut	tritional	Supplements -	Continued	
62. Does the participant regularly t	ake any of the follo	wing suppleme	ents?		
Supplement	Taken ?*	Occasional o	or continuous use*	If continuous, how	
1. Vitamin A					Days Months
2. Beta carotene					Days Months
3. Vitamin C				I I —	Days Months
4. Vitamin B-6					Days Months
5. Vitamin D					Days Months
6. Vitamin E					Days Months
7. Calcium (includes Tums, etc.)					Days Months
8. Selenium					Days Months
9. Niacin					Days Months
10. Zinc					Days Months
11. Metamucil/Citrucel (fiber)					Days Months
12. Potassium					Days Months
13. Chromium					Days Months
14. Folic acid					Days Months
15. Iron					Days Months

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Section VIII - Med:	ications and Nutr	ritional Supplement	s - Continued					
62. Does the participant regularly take any of the following supplements?								
Supplement	Taken ?*	Occasional or continuous u	use* If continuous, how long?					
16. Soy estrogen			☐ Days ☐ Months					
17. Magnesium			☐ Days ☐ Months					
18. Lecithin			☐ Days ☐ Months					
19. B-complex			☐ Days ☐ Months					
20. St. John's wort			☐ Days ☐ Months					
21. Gingko biloba			☐ Days ☐ Months					
22. Cod liver oil			☐ Days ☐ Months					
23. Vitamin B-12			☐ Days ☐ Months					
24. Co-enzyme Q10			☐ Days ☐ Months					
25. DHEA			☐ Days ☐ Months					
26. Fish oil			☐ Days ☐ Months					
27. Garlic			☐ Days ☐ Months					
28. Evening primrose oil			☐ Days ☐ Months					
29. Echinachea			☐ Days ☐ Months					
30. Ginseng			☐ Days ☐ Months					

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Section VI	II - Medications and Nutritional Supplements - Conti	nued					
62. Does the pa	62. Does the participant regularly take any of the following supplements?						
Supplement	Taken?* Occasional or continuous use* If co	ntinuous, how long?					
31. Bee stings		☐ Days ☐ Months					
32. Other:		☐ Days ☐ Months					
33. Other:		☐ Days ☐ Months					
Section IX	- Conclusion						
to report wh	y significant events or factors, not captured in this questionnaire, that the participlic ich may relate to the onset of their demyelinating disease? ☐ Yes						
64. Does the pa	rticipant have any questions or comments regarding this questionnaire or this stu	dy?					

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Diagnosis f	Diagnosis for Study Ascertainment							
Name of enrolli	ng physician		Date					
L			MM/DD/YYYY					
	 Clinically observed signs: List d by a neurologist and check the appropriate of 							
Observed sign		At onset	In relapses	Currently	Never observed/ Don't know			
1. Cognitive dys	function (slow information processing speed,							
executive dys	sfunction, memory loss, MMSE < 26, etc.)							
2. Babinski sign								
3. Changes in m	nood/depression							
4. Sensory loss/	/impairment							
5. Dysarthria								
6. Bulbar dysfun	nction (eg., dysphagia)							
7. Scotoma								
8. Facial paresis	S							
9. Facial twitching	ng							
10. Tremor								
11. Spasticity								
12. Weakness in	n upper extremities							
13. Clumsy or u	seless hand syndrome							
14. Appendicula	ar ataxia in upper extremities							
15. Weakness in	n lower extremities							
16. Appendicula	ar ataxia in lower extremities							
17. Gait disorde	r							
18. Pathological	l brisk reflexes							
19. Sensory leve	el							
20. Loss of colo	rvision							
21. Corrected vi	sual acuity < 20/40							

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Diagnosis for Study Ascertainment				
Section I (Cont.) - Clinically observed ADEM, NMO, ON) as observed by a neurologist and chexhibited.	red signs: List heck the appropriate	the participant's column(s) to indic	signs of MS cate when ead	(CIS, TM, ch was
Observed Sign	At onset	In relapses	Currently	Never observed/ Don't know
22. Pale optic disc				
23. Internuclear ophthalmoplegia				
24. Sustained nystagmus				
25. Disconjugate gaze				
26. Other:				
27. Other:				
28. Other:				

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Diagnosis fo	or Stu	dy Asc	erta	inment				
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								
			M	M/DD/YY	ΥΥ		MM/DD/Y	YYY
		T1	Enh	ancing		Г	T2/PD/FLAIR	
N/A = Not assesse	d N/A	# of MS lesions	N/A	# of MS lesions	N/A	Total # of MS lesions	Locations	Consistent with demyelinating disease
1. Supratentoria	ıl 🗆							
2. Infratentorial								
3. Cervical	\Box							
	+=							+
4. Thoracolumba	ar 📙							
Have any new lesions >= 3mm in diameter occurred in subsequent MRI's? No Service Serv								
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								
Oligoclonal banding: No Yes, number of bands Indeterminate Not assessed								
lgG index: Elevated? ☐ No ☐ Yes, result ☐ Normal range ☐ Not assessed								
White cell count: Not assessed								
Total protein: VDRL:								
Borrelia antibodies	s: 🗆	Positive		Negative	е	☐ Not ass	essed	
Myelin basic prote (ng/ml)	ein: 🗌	Not eleva	ated [] Elevate	d, resi	ult	Normal range	☐ Not assessed

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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	g: No Yes, number of bands Indeterminate	☐ Not assessed				
IgG index: Elevate	ed?	assessed				
White cell count:	White cell count: Not assessed					
Total protein: mg/l Not assessed						
VDRL: ☐ Reactive ☐ Non-reactive ☐ Not assessed						
Borrelia antibodies	: Positive Negative Not assessed					
Myelin basic protein: Not elevated Elevated, result Normal range Normal mage 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 MM/DD/YYYY Not done						
Oligoclonal bandir	ng: No Yes, number of bands Indeterminate	☐ Not assessed				
lgG index: Elevated? ☐ No ☐ Yes, result ☐ Normal range ☐ ☐ Not assessed						
White cell count:	/mm³					
Total protein:	☐ mg/l☐ mg/dl☐ Not assessed					
VDRL:	Reactive Non-reactive Not assessed					
Borrelia antibodie:	s: Positive Negative Not assessed					

Normal range

☐ Not assessed

Myelin basic protein: (ng/ml)

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Diagnosis f	or Study Ascertainment				
	Evoked potentials: Please provide the following information and repoilable evoked potentials exam.	ort for the participant's			
	Not Date performed done Right side*	Left side*			
1. Visual					
2. Brainstem audit	ory \square				
3. Somatosensory					
3a. Upper limb					
3b. Lower limb					
Section V - available C	CNS biopsy: Please provide the following information and report for the p NS biopsy.	participant's earliest			
	Date performed ☐ Not done				
	MM/DD/YYYY				
Result:	☐ Indeterminate ☐ MS				
Other (specify):				
<u>Section VI - Standardized assessment scales</u> : Please provide the following information for the participant's earliest available standardized assessment scales.					
Earliest av	ailable:				
	Date performed				
1. EDSS	□ Not done				
2. 25 ft. walk	sec. Not done				
3. 9 hole peg	sec. Not done				
4. Ambulation ind	ex Not done				
5. MSFC	□ Not done				

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Diagnosis f	or Study Ascertainme	nt	
	(cont.) - Standardized It's most recent Standardiz	d assessment scales: Pleas	e provide the following information
		eu assessment scales.	
Most Recent	:		
		Date Performed	
1. EDSS		☐ Not don	e
2. 25 ft. walk	sec.	☐ Not don	e
3. 9 hole peg	sec.	☐ Not don	е
4. Ambulation ind	ex	□ Not don	e
5. MSFC		□ Not don	e
 Section VII	- Differential diagnos:	is: Please provide the following i	nformation and report for any of
	ns performed on the participant		
Condition (test)			Result
			1 Coult 1
Neuroophthalmi	c (e.g. slit lamp exam)	Not Done	POS. NEG.
Neuroophthalmio	c (e.g. slit lamp exam)	Not Done	
-	, ,	Not Done	
1. Uveitis	, ,	Not Done	
1. Uveitis 2. Neuroretinit	tis	Not Done	POS. NEG.
1. Uveitis 2. Neuroretinit 3. Other Genetic (Mendel	tis		POS. NEG.
1. Uveitis 2. Neuroretinit 3. Other Genetic (Mendel 4. Metachrom	ian)	se A)	POS. NEG.
1. Uveitis 2. Neuroretinit 3. Other Genetic (Mendel 4. Metachrom 5. Adrenoleuk	ian) atic leukodystrophy (arylsulfata	se A)	POS. NEG.
1. Uveitis 2. Neuroretinit 3. Other Genetic (Mendel 4. Metachrom 5. Adrenoleuk 6. Krabbe's di	ian) atic leukodystrophy (arylsulfata	se A)	POS. NEG.
1. Uveitis 2. Neuroretinit 3. Other Genetic (Mendel 4. Metachrom 5. Adrenoleuk 6. Krabbe's di	ian) atic leukodystrophy (arylsulfata odystrophy (serum very long ch	se A)	POS. NEG.
1. Uveitis 2. Neuroretinit 3. Other Genetic (Mendel 4. Metachrom 5. Adrenoleuk 6. Krabbe's di 7. CADASIL (I	ian) atic leukodystrophy (arylsulfata odystrophy (serum very long ch	se A)	POS. NEG.
1. Uveitis 2. Neuroretinit 3. Other Genetic (Mendel 4. Metachrom 5. Adrenoleuk 6. Krabbe's di 7. CADASIL (I 8. Other	ian) atic leukodystrophy (arylsulfata odystrophy (serum very long ch isease (WBC betagalactocereb Notch 3 gene mutation)	se A)	POS. NEG.
1. Uveitis 2. Neuroretinit 3. Other Genetic (Mendel 4. Metachrom 5. Adrenoleuk 6. Krabbe's di 7. CADASIL (I 8. Other Metabolic 9. B-12 deficie 10. Folate def	ian) atic leukodystrophy (arylsulfata odystrophy (serum very long chisease (WBC betagalactocereb Notch 3 gene mutation)	se A)	POS. NEG.
1. Uveitis 2. Neuroretinit 3. Other Genetic (Mendel 4. Metachrom 5. Adrenoleuk 6. Krabbe's di 7. CADASIL (I 8. Other Metabolic 9. B-12 deficie 10. Folate def 11. Vitamin E	ian) atic leukodystrophy (arylsulfata odystrophy (serum very long chisease (WBC betagalactocereb Notch 3 gene mutation) ency iciency deficiency	se A)	POS. NEG.
1. Uveitis 2. Neuroretinit 3. Other Genetic (Mendel 4. Metachrom 5. Adrenoleuk 6. Krabbe's di 7. CADASIL (I 8. Other Metabolic 9. B-12 deficie 10. Folate def 11. Vitamin E Neoplastic granu	ian) atic leukodystrophy (arylsulfata odystrophy (serum very long chisease (WBC betagalactocereb Notch 3 gene mutation)	se A)	POS. NEG.
1. Uveitis 2. Neuroretinit 3. Other Genetic (Mendel 4. Metachrom 5. Adrenoleuk 6. Krabbe's di 7. CADASIL (I 8. Other Metabolic 9. B-12 deficie 10. Folate def 11. Vitamin E	ian) atic leukodystrophy (arylsulfata odystrophy (serum very long chisease (WBC betagalactocereb Notch 3 gene mutation) ency iciency deficiency	se A)	POS. NEG.



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Section VII (cont.) - Differential diagnosis:

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

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Section VII (co	ont.)- Differentia	il diagnos:	is:	
Condition (test)				Result
Hematologic			Not done	
42. White blood co	ount (x10 ³ /mm³)			
43. Red blood cou	unt (x10 ⁶ /mm³)			
44. Platelets (x10	⁾³ /mm³)			
45. Polys (absolut	te) (x10³/mm³)			
46. Monocytes (at	bsolute) (x10³/mm³)			
47. EOS (absolute	e) (x10³/mm³)			
48. Basos (absolu	ute) (x10 ³ /mm ³)			
49. Lymphs (abso	olute) (x10 ³ /mm³)			
Pathological spe	ecimens			
50. Biopsy				
Tissue type			Result	
51. Biopsy				
Tissue type			Result	
52. Biopsy				
Tissue type			Result	
53. Biopsy				
Tissue type			Result	
Gashian WIII	2072			
	ASIA impairment een diagnosed with TM or NI			
☐ No ☐ Yes ☐ Don't know	en diagnosed with TW of Ni	WO!		
If Yes, what was th	he ASIA impairment scale s	score?		
At onset:	□ A □ B □ C	□ D □ Doi	n't Know	
At most recent exam:	:	D Do	n't Know	

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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