

## SUPPLEMENTARY FILE 1

Parameter	Details	Required
<i>Personal Details</i>		
DOB	Year&month of birth	X
Ethnicity	<ul style="list-style-type: none"> <li>• American Indian or Alaska Native</li> <li>• Asian</li> <li>• Black or African American</li> <li>• Hispanic or Latino</li> <li>• Native Hawaiian or Other Pacific Islander</li> <li>• White</li> <li>• Other</li> <li>• Not reported</li> </ul>	X
Ethnicity - additional	If the patient identifies with additional racial designations, select all that apply.	
Handedness	Handedness	
Height	Height	
<i>General Details - Baseline</i>		
Visit date	Day/month/year	
Weight	Weight at every visit	
Ophthalmologic comorbidities	<ul style="list-style-type: none"> <li>• Unknown</li> <li>• No (excluded by examination)</li> <li>• No (excluded by history taking)</li> <li>• Yes – please specify</li> </ul>	X
Other comorbidities	<ul style="list-style-type: none"> <li>• Unknown</li> <li>• No</li> <li>• Yes – please specify</li> </ul>	X
<i>Clinical Data - Baseline</i>		
Symptom onset	Day/month/year	X

NMOSD diagnosis	<ul style="list-style-type: none"> <li>• NMO (2006 Wingerchuk criteria)</li> <li>• AQP4-IgG seropositive NMOSD (2015 Wingerchuk criteria)</li> <li>• AQP4-IgG seronegative NMOSD (2015 Wingerchuk criteria)</li> <li>• MOG-IgG associated Encephalomyelitis/NMOSD</li> <li>• RON/CRION (Recurrent Optic Neuritis)</li> <li>• LETM (Longitudinal Extensive Transverse Myelitis)</li> </ul>	X
AQP4-IgG	AQP4-antibody status at time of examination	X
MOG-IgG	MOG-antibody status at time of examination	X
EDSS	Expanded disability status scale at time of examination	
ON OD number	Number of optic neuritis attacks in the right eye before examination	X
ON OD date	Date of last optic neuritis attack in the right eye before examination	X
ON OS number	Number of optic neuritis attacks in the left eye before examination	X
ON OS date	Date of last optic neuritis attack in the left eye before examination	X
Bilateral ON	Has the patient ever experienced simultaneous bilateral ON? Yes/No/Unknown	
Myelitis	History of transverse myelitis, Yes/No/Unknown	X
Area postrema syndrome	History of acute Area Postrema Syndrome, Yes/No/Unknown	X
Brainstem syndrome	History of acute Brainstem syndromes, Yes/No/Unknown	X

Diencephalic syndrome	History of symptomatic narcolepsy or acute diencephalic clinical syndrome with NMOSD-typical diencephalic MRI lesions, Yes/No/Unknown	X
Cerebral syndrome	History of symptomatic cerebral syndrome with NMOSD-typical brain lesions, Yes/No/Unknown	X
Last attack	Onset date of last disease attack or relapse before examination, Day/month/year	X
Medication	Current/Previous use	X
<b>Visual assessments</b>		
HCVA correction	High contrast visual acuity - Refractive error correction? <ul style="list-style-type: none"> <li>• Not corrected (correction was not attempted or assessed)</li> <li>• Habitually corrected (wearing usual eye-wear)</li> <li>• Best corrected (refraction with corrective lenses by operator)</li> </ul>	X
HCVA OD	Right Eye: High contrast visual acuity	X
HCVA OS	Left Eye: High contrast visual acuity	X
HCVA OU	Binocular: High contrast visual acuity	
LCLA correction	Low contrast letter acuity - Refractive error correction? <ul style="list-style-type: none"> <li>• Not corrected (correction was not attempted or assessed)</li> </ul>	

	<ul style="list-style-type: none"> <li>• Habitually corrected (wearing usual eye-wear)</li> <li>• Best corrected (refraction with corrective lenses by operator)</li> </ul>	
Distance	At which distance was LCLA testing performed?	
LCVA OD	Right Eye: 2.5% Contrast Sloan Low Contrast Visual Acuity	
LCLA OD	Right Eye: 2.5% charts letter acuity (LCLA) (Number of correctly identified letters)	
LCVA OS	Left Eye: 2.5% Contrast Sloan Low Contrast Visual Acuity	
LCLA OS	Left Eye: 2.5% charts letter acuity (LCLA) (Number of correctly identified letters)	
VEP OD	Right Eye: P100 latency <ul style="list-style-type: none"> <li>• normal</li> <li>• prolonged</li> <li>• not analyzable</li> </ul>	
VEP OS	Left Eye: P100 latency <ul style="list-style-type: none"> <li>• normal</li> <li>• prolonged</li> <li>• not analyzable</li> </ul>	
VF device	Which visual field device was used?	
VF protocol	Which visual field protocol was used?	
MD OD	Right Eye - Mean Deficit (MD)	
PSD OD	Right Eye - Pattern standard deviation (PSD)	

MD OS	Left Eye - Mean Deficit (MD)	
PSD OS	Left Eye - Pattern standard deviation (PSD)	
<i>OCT source data</i>		
Macula	One macular volume scan per eye	X
Ring	One peripapillary ring scan per eye	X

Supplementary File 1: Data dictionary