## SUPPLEMENTARY FILE 1

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Details</th>
<th>Required</th>
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<tr>
<td><strong>Personal Details</strong></td>
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<tr>
<td>DOB</td>
<td>Year&amp;month of birth</td>
<td>X</td>
</tr>
<tr>
<td>Ethnicity</td>
<td>• American Indian or Alaska Native</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Asian</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Black or African American</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Hispanic or Latino</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Native Hawaiian or Other Pacific Islander</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• White</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Other</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Not reported</td>
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<tr>
<td>Ethnicity - additional</td>
<td>If the patient identifies with additional racial designations, select all that apply.</td>
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<tr>
<td>Handedness</td>
<td>Handedness</td>
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<tr>
<td>Height</td>
<td>Height</td>
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<tr>
<td><strong>General Details - Baseline</strong></td>
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<td></td>
</tr>
<tr>
<td>Visit date</td>
<td>Day/month/year</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>Weight at every visit</td>
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</tr>
<tr>
<td>Ophthalmologic comorbidities</td>
<td>• Unknown</td>
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</tr>
<tr>
<td></td>
<td>• No (excluded by examination)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• No (excluded by history taking)</td>
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</tr>
<tr>
<td></td>
<td>• Yes – please specify</td>
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<tr>
<td>Other comorbidities</td>
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<td></td>
<td>• No</td>
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<tr>
<td></td>
<td>• Yes – please specify</td>
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<td><strong>Clinical Data - Baseline</strong></td>
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<td>Symptom onset</td>
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<td>NMOSD diagnosis</td>
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<td>-----------------------------------------------------</td>
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<tr>
<td>• NMO (2006 Wingerchuk criteria)</td>
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<tr>
<td>• AQP4-IgG seropositive NMOSD (2015 Wingerchuk criteria)</td>
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<tr>
<td>• AQP4-IgG seronegative NMOSD (2015 Wingerchuk criteria)</td>
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<tr>
<td>• MOG-IgG associated Encephalomyelitis/NMOSD</td>
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</tr>
<tr>
<td>• RON/CRION (Recurrent Optic Neuritis)</td>
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<tr>
<td>• LETM (Longitudinal Extensive Transverse Myelitis)</td>
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<tr>
<td>AQP4-IgG</td>
<td>AQP4-antibody status at time of examination</td>
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</tr>
<tr>
<td>MOG-IgG</td>
<td>MOG-antibody status at time of examination</td>
<td>X</td>
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<tr>
<td>EDSS</td>
<td>Expanded disability status scale at time of examination</td>
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<td>ON OD number</td>
<td>Number of optic neuritis attacks in the right eye before examination</td>
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<td>ON OD date</td>
<td>Date of last optic neuritis attack in the right eye before examination</td>
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</tr>
<tr>
<td>ON OS number</td>
<td>Number of optic neuritis attacks in the left eye before examination</td>
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</tr>
<tr>
<td>ON OS date</td>
<td>Date of last optic neuritis attack in the left eye before examination</td>
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<tr>
<td>Bilateral ON</td>
<td>Has the patient ever experienced simultaneous bilateral ON? Yes/No/Unknown</td>
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<tr>
<td>Myelitis</td>
<td>History of transverse myelitis, Yes/No/Unknown</td>
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<td>Area postrema syndrome</td>
<td>History of acute Area Postrema Syndrome, Yes/No/Unknown</td>
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<td>Brainstem syndrome</td>
<td>History of acute Brainstem syndromes, Yes/No/Unknown</td>
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<td><strong>Diencephalic syndrome</strong></td>
<td>History of symptomatic narcolepsy or acute diencephalic clinical syndrome with NMOSD-typical diencephalic MRI lesions, Yes/No/Unknown</td>
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<td>--------------------------</td>
<td>------------------------------------------------------------------------------------------------------------------</td>
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<tr>
<td><strong>Cerebral syndrome</strong></td>
<td>History of symptomatic cerebral syndrome with NMOSD-typical brain lesions, Yes/No/Unknown</td>
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<td><strong>Last attack</strong></td>
<td>Onset date of last disease attack or relapse before examination, Day/month/year</td>
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<tr>
<td><strong>Medication</strong></td>
<td>Current/Previous use</td>
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<td><strong>Visual assessments</strong></td>
<td><strong>HCVA correction</strong>&lt;br&gt;High contrast visual acuity - Refractive error correction?&lt;br&gt;• Not corrected (correction was not attempted or assessed)&lt;br&gt;• Habitually corrected (wearing usual eye-wear)&lt;br&gt;• Best corrected (refraction with corrective lenses by operator)</td>
<td>X</td>
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<tr>
<td></td>
<td><strong>HCVA OD</strong>&lt;br&gt;Right Eye: High contrast visual acuity</td>
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<tr>
<td></td>
<td><strong>HCVA OS</strong>&lt;br&gt;Left Eye: High contrast visual acuity</td>
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<tr>
<td></td>
<td><strong>HCVA OU</strong>&lt;br&gt;Binocular: High contrast visual acuity</td>
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<tr>
<td><strong>LCLA correction</strong></td>
<td>Low contrast letter acuity - Refractive error correction?&lt;br&gt;• Not corrected (correction was not attempted or assessed)</td>
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<tr>
<td>----------------------</td>
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<tr>
<td><strong>Habitually corrected</strong> (wearing usual eyewear)</td>
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<tr>
<td><strong>Best corrected</strong> (refraction with corrective lenses by operator)</td>
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<tr>
<td><strong>Distance</strong></td>
<td><strong>At which distance was LCLA testing performed?</strong></td>
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<tr>
<td><strong>LCVA OD</strong></td>
<td><strong>Right Eye: 2.5% Contrast Sloan Low Contrast Visual Acuity</strong></td>
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<tr>
<td><strong>LCLA OD</strong></td>
<td><strong>Right Eye: 2.5% charts letter acuity (LCLA)</strong></td>
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<tr>
<td></td>
<td><em>(Number of correctly identified letters)</em></td>
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<tr>
<td><strong>LCVA OS</strong></td>
<td><strong>Left Eye: 2.5% Contrast Sloan Low Contrast Visual Acuity</strong></td>
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<tr>
<td><strong>LCLA OS</strong></td>
<td><strong>Left Eye: 2.5% charts letter acuity (LCLA)</strong></td>
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<td><em>(Number of correctly identified letters)</em></td>
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<td><strong>VEP OD</strong></td>
<td><strong>Right Eye: P100 latency</strong></td>
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<tr>
<td></td>
<td><em>prolonged</em></td>
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<tr>
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<tr>
<td><strong>VEP OS</strong></td>
<td><strong>Left Eye: P100 latency</strong></td>
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<tr>
<td></td>
<td><em>normal</em></td>
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<td><em>prolonged</em></td>
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<td><em>not analyzable</em></td>
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<tr>
<td><strong>VF device</strong></td>
<td><strong>Which visual field device was used?</strong></td>
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<tr>
<td><strong>VF protocol</strong></td>
<td><strong>Which visual field protocol was used?</strong></td>
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<tr>
<td><strong>MD OD</strong></td>
<td><strong>Right Eye - Mean Deficit (MD)</strong></td>
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<tr>
<td><strong>PSD OD</strong></td>
<td><strong>Right Eye - Pattern standard deviation (PSD)</strong></td>
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<tr>
<td>MD OS</td>
<td>Left Eye - Mean Deficit (MD)</td>
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<tr>
<td>PSD OS</td>
<td>Left Eye - Pattern standard deviation (PSD)</td>
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<td><strong>OCT source data</strong></td>
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<tr>
<td>Macula</td>
<td>One macular volume scan per eye</td>
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</tr>
<tr>
<td>Ring</td>
<td>One peripapillary ring scan per eye</td>
<td>X</td>
</tr>
</tbody>
</table>

*Supplementary File 1: Data dictionary*