Let's gain MOGmentum

a collaborative series brought to you by The Sumaira Foundation for NMO and The MOG Project
MOG-AD is a rare neuroimmune condition that targets the MOG protein which is located on the surface of myelin sheaths in the central nervous system.
Occurs in all decades of life with median age of onset early 30s

Found in 40% of children and 22% of adults that have non-MS demyelinating disorders

Only slightly more predominant in females

No ethnic bias

Numbers growing as testing becomes more widespread and statistics are collected

Estimate to reach an occurrence of 1 in 100,000 or even 2 in 100,000

References:
3. Based on observation of numbers coming out of Mayo and UK laboratories.
**SYMPTOMS**

**may include:**

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<th>Loss or blurring of vision, loss of color vision</th>
<th>Paralysis or weakness of a limb or limbs, loss of sensation, alterations of sensation in bowel and bladder function</th>
<th>Chronic fatigue</th>
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<td>Hearing loss</td>
<td>Seizures, behavioral change, memory loss</td>
<td>May be monophasic or relapsing</td>
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Some residual symptoms may be permanent
## DIAGNOSIS

### TESTING

- MOG Antibody Titers Blood Test
- Magnetic Resonance Imaging (MRI)
- Optical Coherence Tomography (OCT)
- Visual Field Test (VFT)
- Neurological exams

*Many tests are to rule out other autoimmune disorders*

*MOG-AD has been associated with the following symptoms: ADEM, encephalitis (all ages), transverse myelitis, and optic neuritis*
# TREATMENTS

## Acute
(During an attack or flare)
- IV steroids
- Oral steroids
- Plasma exchange (PLEX) aka plasmapheresis
- Intravenous immunoglobulin (IVIG)

## Preventative
(Long-term)
- Mycophenolate mofetil (CellCept)
- Azathioprine (Imuran)
- Prednisone (steroids)
- IVIG
- Rituximab (Rituxan)
  (rarely in some cases)

## Pipeline
(In development)
- A new treatment is being developed that will be announced in 2020/2021
This series is brought to you by

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Sumaira FOUNDATION FOR NMO

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