

Figure 1: Immunodetection of oligoclonal bands in serum and CSF of Multiple Sclerosis patients. Pattern 1: OCBs in CSF only (positive): Oligoclonal bands present in CSF only. Intrathecal IgG synthesis as seen in MS; Pattern 2: No OCBs seen (negative, polyclonal): No oligoclonal bands in CSF or Serum. No intrathecal Ig synthesis; Pattern 3: Identical OCBs in both (mirror): Bands in serum mirror those in CSF. This suggests systemic Ig synthesis; Pattern 4: Identical OCBs in both with extra in CSF (more than): Identical bands in both serum and CSF with extra bands in CSF. Image demonstrates both intrathecal and systemic Ig synthesis. This is identical as it is seen in MS.

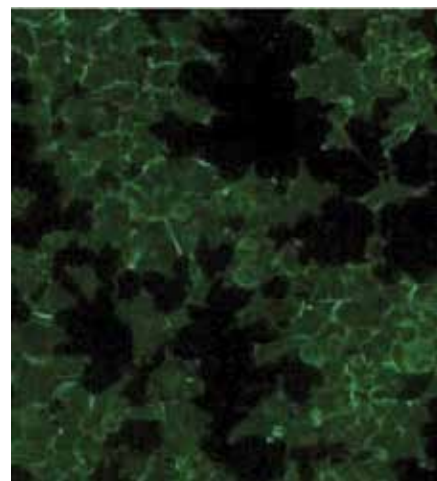
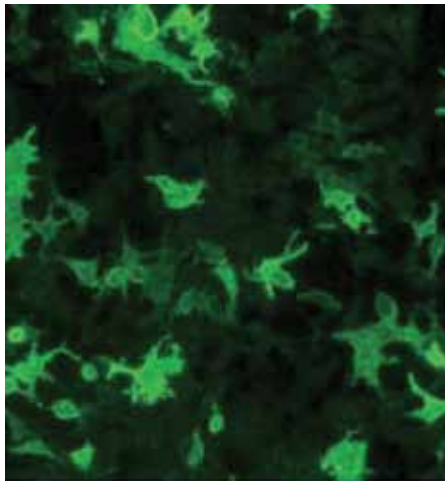


Figure 2: Indirect immunofluorescence in cells transfected by aquaporin4 (EUROIMMUN Aquaporin-4 IIFT). Panel A: Anti-AQP4 antibodies observed in the serum of NMO patients (positive sample); Panel B: Absence of anti-AQP4 antibodies in serum sample (negative sample)

María S. Castello



*By María Simó-Castelló¹, Carmen Alcalá¹, Deepali Mathur², Gerardo López-Rodas³,
María Burgal Martí⁴, Bonaventura Casanova¹*

¹ Hospital Universitari i Politècnic La Fe, València, Spain

² Department of Functional Biology, University of Valencia, Valencia, Spain

³ Department of Biochemistry and Molecular Biology, University of Valencia, and INCLIVA Biomedical Research Institute, Valencia, Spain

⁴ Multiple Sclerosis Laboratory, Department of Biomedicine, Prince Felipe Research Center, Valencia, Spain

doi : 10.5214/ans.0972.7531.220213