|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Disease | Demyelinating | White matter | Grey matter | Spinal cord | PNS | Sensory | Motor | Cortico-bulbar | Ocular B/B | Autonomic | CSF |  |
| Multiple sclerosis | X | X |  | X | NO! | X | X |  | X |  | OCB  IgG | * INO |
| ADEM | X | X |  | X | NO! | X | X |  | X |  | OCB | * NMO-IgG (aquaporin 4) * Optic neuritis and transverse myelitis * Monophasic MS * If >1 episode, then it is MS |
| Devic | X |  |  |  |  |  |  |  | Ocular |  |  | * MS variant * Optic neuritis + transverse myelitis |
| ALS |  |  |  | X |  | NO! | X | X | NO! | NO! |  | * UMN and LMN * Spares sphincter and eyes |
| Guillain-Barre (AIDP) | X |  |  |  | X | +/- |  | X | X | X |  | * Symmetric weakness and areflexia * Facial diplegia, ophthalmoplegia * Campylobacter jejuni * Albuminocytologic dissociation * IVIG (steroids may worsen sx) |
| CIDP |  |  |  |  |  |  |  |  |  |  |  | * Relapsing Guillain-Barre |
| Transverse myelitis |  |  |  | X |  | X | X |  | Sphincter |  |  | * Back pain, sphincter dysfunction, paresthesias |
| Charcot-Marie tooth neuropathy |  |  |  |  | X | X | X |  |  |  |  | * Chromosome 17 distal, symmetric weakness/atrophy onionbulp on pathology from de- and remyelination * EMG: slow, uniform decreased NCV * High arch and claw toes |