|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Disease | Demyelinating | White matter | Grey matter | Spinal cord | PNS | Sensory | Motor | Cortico-bulbar | OcularB/B | Autonomic | CSF |  |
| Multiple sclerosis | X | X |  | X | NO! | X | X |  | X |  | OCBIgG | * 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 17distal, symmetric weakness/atrophyonionbulp on pathology from de- and remyelination
* EMG: slow, uniform decreased NCV
* High arch and claw toes
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