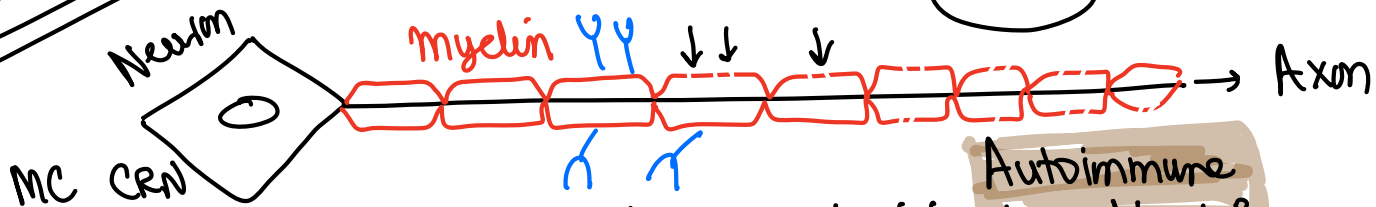


Autoimmune

Multiple Sclerosis

CNS



- # **Optic neuritis** : young ♀ : blurring of vision, **Autoimmune** demyelination, blindness, monocular
- # **paracentral lobule** → Control of urinary bladder lost: ^{Urge} incontinence
- # **Spasticity** : Hamstring spasm, BRISK DTR, Babinski sign
- # **Sensory symptoms** : PARASTHESIAS
- # **Cerebellar involvement** : gait ataxia, intentional TREMORS



pathology \Rightarrow oligo dendrocytes # : myelin v

PLAQUE FORMATION

loc: gadolinium enhanced MRI

COPs



CNS: oligo D
PNS: schwann myelin formation

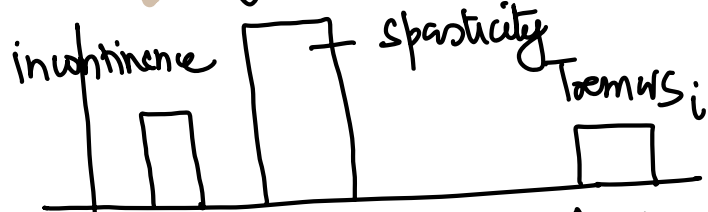
OPTIC-SCARS : Mnemonic

Optic Neuritis

Sensory - cerebellar - autoimmune demyelination -

RRMS - spasticity

Relapsing remitting



M.S

Ocrelizumab*

Natalizumab

* Glatiramer ⇒

Fingolimod



3

2

Jan

Feb

acute episode MS ⇒ Methylprednisone primary progressive MS

PPMS

Jan Feb

March

April

RRM

LMNL

Gullian Barre syndrome

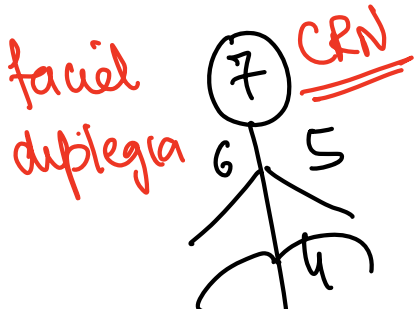
demyelination of P.N.S, NERVE ROOTS

Campylobacter jejuni \Rightarrow abdo pain + blood in stool

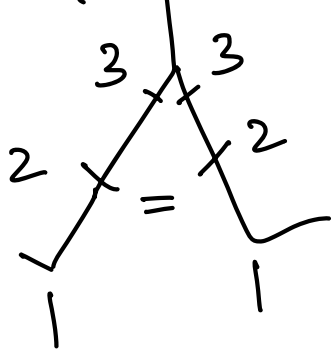
OFLOXACIN: FO

> 2-4 wks later: YYY Y

CROSS React \bar{c} myelin (# schwann) cells



- ✓ Ascending symmetrical flaccid paralysis
- ✓ Monophasic course: 12 HOURS
- 28 days



✓ Electrodiagnostic Test
 NERVE CONDUCTION velocity
 (NCV): demyelination
 ✓ death \Rightarrow diaphragmatic paralysis

* LOC: NCV: CYTO ALBUMINOLOGICAL dissociation

: LP: cells (n) sugar (n) pressure (n)
 color (n) protein \uparrow

Rx. IVIG (n) STEROIDS (n)

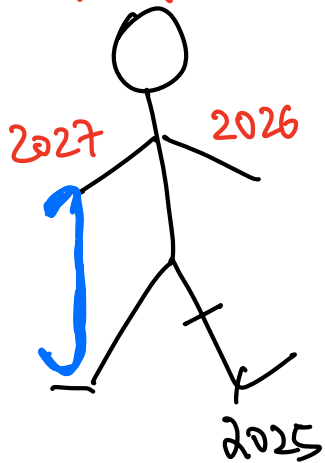
PLASMAPHERESIS

CRN: XII #

Tongue fasciculations



Amyotrophic lateral sclerosis | motor neuron disease



LMN # : flaccidity, areflexia
+ UMN # : spasticity, DTR BRISK
(Weakness) Babinski

↓
progressive
OVER YEARS

death = Respi paralysis