CHRONIC IMMUNE DEMYELINATING NEUROPATHIES:
COMPARATIVE FEATURES

Neuropathy	Clinical Features	Electrophysiology	Antibody	M-Protein	Treatment
CIDP	Motor > Sensory Weakness: Proximal & Distal Symmetric Onset: 1 to 80 yrs Chronic/Relapsing	Motor + Sensory Δ Slow NCV Conduction Block Distal Latency: Long Slow F-waves	Targets β-tubulin Heparan sulfate Class: IgM or IgG Frequency: 10%	15%	T-cell immunosuppression Prednisone Cyclosporine A Methotrexate HIG Plasma Exchange
Multifocal CIDP	Chronic Motor > Sensory Weakness: Distal > Proximal Asymmetric Arms > Legs Onset: 15 to 75 yrs	Motor + Sensory Δ Slow NCV Conduction Block Distal Latency: Long Slow F-waves	?	?	T-cell immunosuppression Prednisone HIG
MMN	Motor only Distal > Proximal Arms > Legs Asymmetric Onset: 25 to 60 yrs Slowly progressive	Motor only Conduction Block Axonal Loss EMG: No paraspinous denervation	Targets Co-GM1 or NP-9 Class: IgM Frequency: 80%	20%	HIG B-cell immunosuppression Plasma Exchange + Cyclophosphamide Rituximab
Anti-MAG	Sensory > Motor Distal; Symmetric Gait disorder Tremor Onset: > 50 yrs Slowly progressive	Motor + Sensory Δ Distal Latency: Long Slow NCV No conduction block Axonal Loss	Target: MAG Class: IgM Frequency: 100%	85%	B-cell immunosuppression Plasma Exchange + Cyclophosphamide Rituximab ? Fludarabine
GALOP	Gait Disorder Sensory > Motor Distal; Symmetric Onset: > 50 yrs	Motor + Sensory Δ Distal Latency: Long Slow NCV No conduction block	Target Sulfatide in lipid membrane Class: IgM	80%	HIG Plasma Exchange + Cyclophosphamide
Anti-Sulfatide	Slowly progressive Sensory > Motor Distal; Symmetric Onset: > 45 yrs	Motor + Sensory Δ Distal Latency: Long Slow NCV Axonal Loss	Target Sulfatide Class: IgM	90%	HIG Plasma Exchange + Cyclophosphamide
Anti-GM2 & GalNAc-GD1a	Sensory > Motor Ataxia: Limb; Gait Distal Symmetric or Asymmetric Onset: Adult Slowly progressive	Slow NCV	Targets GM2 GalNAc-GD1a Class: IgM	Common	HIG
Anti-GalNAc-GD1a	Motor Distal Asymmetric Onset: Adult Slowly progressive	Minor changes Mostly axonal loss: Distal	Targets GalNAc-GD1a Class: IgM	Rare	HIG
Polyneuropathy **O**rganomegaly **E**ndocrinopathy **M**-protein **S**kin changes	Sensory & Motor Symmetric Onset: 25 to 60 yrs	Slow NCV Axonal Loss	Target: ? Class: IgA or IgG	90%	?
Neurofascin	Sensory & Motor Distal Tremor Onset: Adult Progressive	NCV: Slow	Target Neurofascin Class: IgG_4	No	?
Contactin-1	Sensory & Motor Distal or Diffuse Onset: Adult, late Progressive	Distal latency: Long Conduction block	Target Contactin-1 Class: IgG	No	Prednisone Not HIG

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References & More detail: http://www.neuro.wustl.edu/neuromuscular/antibody/pnimdem.html