

Electrodiagnostics of Immune Neuropathies

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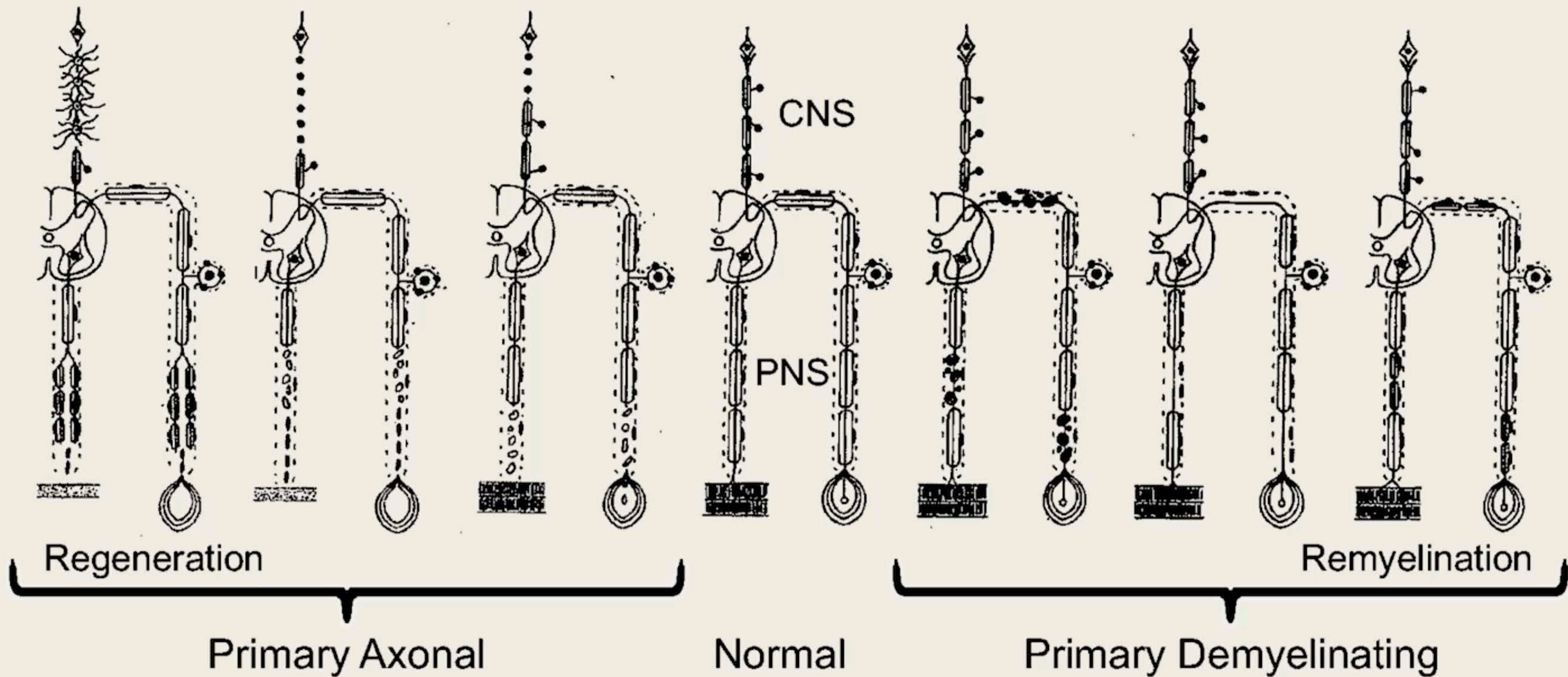
Role of Nerve Conduction Studies

- Estimate underlying nerve pathology
 - Primary demyelination vs primary axonal
 - May be mixed pattern
 - Need to choose primary over secondary pattern
- However, pathology data sparse
 - Mostly from sensory nerve biopsies
- May be no obvious pathology
 - Concept of nodopathy

Role of Needle EMG

- Document axonal loss
 - Cannot distinguish primary vs secondary axonal pathology
- Cannot accurately document amount of axonal loss
- Therefore, less important than nerve conduction studies

Primary Axonal and Demyelinating Neuropathies



Images from Schaumburg HH, et al. *Disorders of Peripheral Nerves*. 2nd ed. Philadelphia, PA: FA Davis Co; 1992 by permission of Oxford University Press USA.