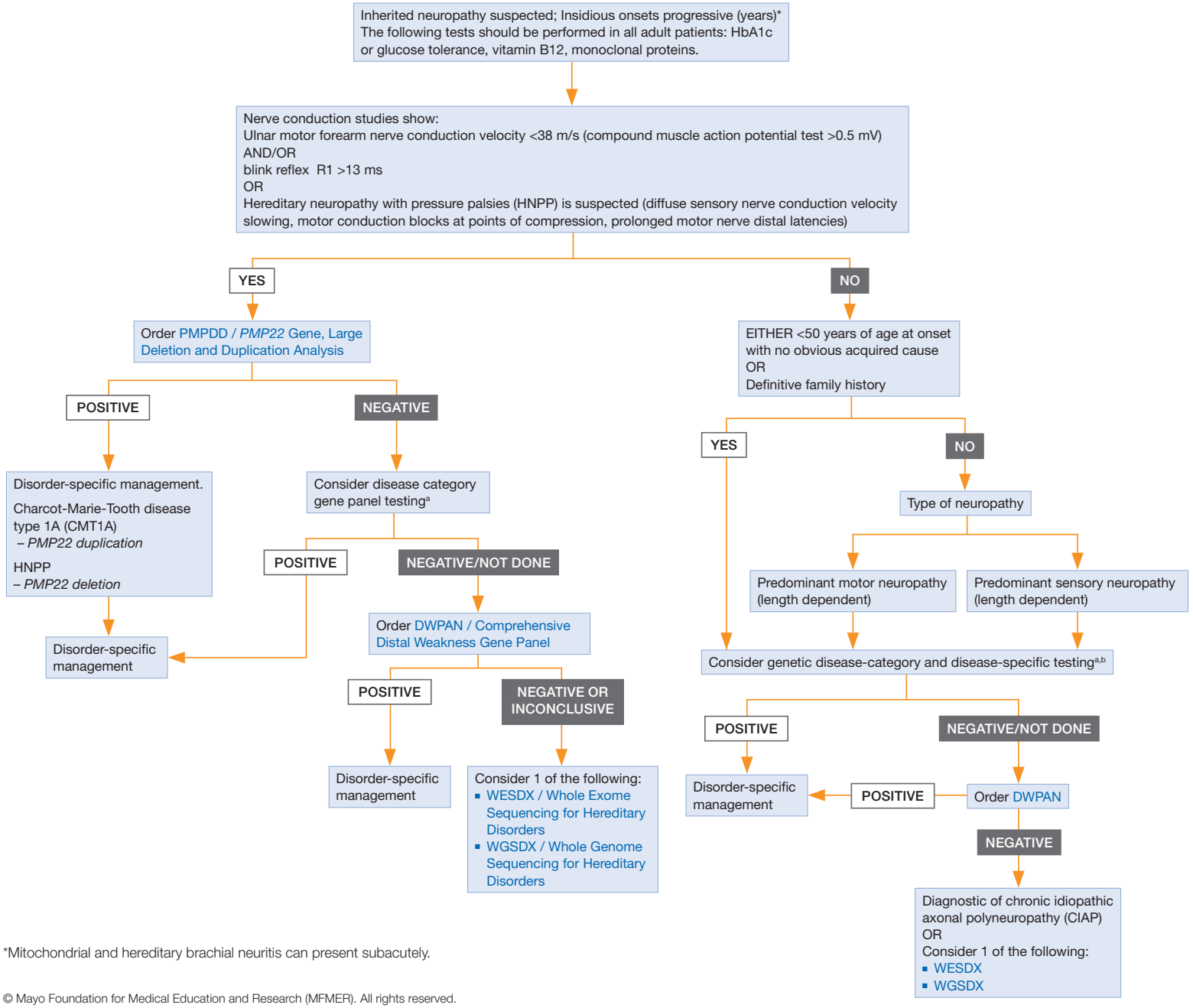
MAYO CLINIC LABORATORIES

Hereditary Peripheral Neuropathy Diagnostic Algorithm



Disease category gene panel testing[a]

- PEPAN / Comprehensive Peripheral Neuropathy Gene Panel (186 genes)
- IMSNP / Inherited Motor and Sensory Neuropathy Gene Panel (87 genes)
- IMNP / Inherited Motor Neuropathy Gene Panel (24 genes)
- ISNP / Hereditary Sensory Neuropathy Gene Panel (23 genes)
- CMITO / Combined Mitochondrial Full Genome and Nuclear Gene Panel (221 mitochondrial nuclear genes and entire mitochondrial genome)
- ISPP / Inherited Spastic Paraplegia Gene Panel (128 genes)
- ATAXP / Inherited Ataxia Gene Panel (198 genes)
- CGPH / Custom Gene Panel, Hereditary; stating disease state: Neurology Disorder

Disease-specific testing[b]

Testing required for FDA-approved treatment

- SMNDX / Spinal Muscular Atrophy Diagnostic Assay, Deletion/Duplication Analysis
- TTRZ / TTR Gene, Full Gene Analysis (transthyretin familial amyloid)
- Fabry Disease
  - AGAS / Alpha-Galactosidase, Serum
  - GLA / Fabry Disease, *GLA* Gene Sequencing with Deletion/Duplication
- SOD1Z / SOL1 Gene, Full Gene Analysis (ALS)

Others

- C9ORF / C9orf72 Hexanucleotide Repeat, Molecular Analysis (ALS)
- SORD / Sorbitol and Xylitol, Quantitative, Random, Urine (SORD1 motor neuropathy)
- SEP9Z / SEPTIN9 Gene Full Gene Analysis
- CANVAS syndrome (RFC1 gene)
- AFXN / Friedreich Ataxia, Repeat Expansion Analysis
- SBULB / Spinobulbar Muscular Atrophy (Kennedy Disease), Molecular Analysis

*Mitochondrial and hereditary brachial neuritis can present subacutely.

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