



Electrodiagnostics (EMG/NCV)

Precision testing to clarify diagnosis, reduce uncertainty, and guide coordinated recovery

What EMG & Nerve Conduction Studies Are

After injury, symptoms like numbness, weakness, or radiating pain can appear. EMG and nerve conduction studies help determine if these symptoms come from nerve root compression (radiculopathy), peripheral nerve damage, or myofascial referral patterns. This precision prevents misdiagnosis and unnecessary procedures.

What These Tests Show

Nerve Conduction Studies: Measure how fast and completely electrical signals travel through nerves

EMG (Electromyography): Records electrical activity in muscles to detect nerve or muscle damage

Clinical Context: Results are interpreted alongside your symptoms and exam findings

Common Applications After Motor Vehicle Accidents

- Distinguish radiculopathy (nerve root) from myofascial referred pain
- Detect brachial plexus injuries from seatbelt trauma
- Identify carpal tunnel or ulnar neuropathy from steering wheel impact
- Rule out nerve damage when symptoms suggest it but exam is unclear
- Provide objective documentation for treatment planning

Board Certified in Electrodiagnostic Medicine

I hold dual board certifications in electrodiagnostic medicine from the American Board of Physical Medicine and Rehabilitation and the American Academy of Neuromuscular and Electrodiagnostic Medicine. I perform 30+ EMG studies monthly, with referrals from providers across the Puget Sound region who trust my diagnostic accuracy and collaborative approach.

Why This Matters

Electrodiagnostic testing provides objective answers when symptoms are confusing. Whether you're recovering from a motor vehicle accident, dealing with unexplained numbness, or need a second opinion on nerve symptoms, precise testing leads to targeted treatment and better outcomes.