



CAIRNS

NEUROPHYSIOLOGY

PHONE: 0410 466 842  
FAX: (07) 4031 6043  
EMAIL: info@cairnsneuro.com.au  
ADDRESS: Suite 2D Flecker House  
5 Upward Street, Cairns 4870  
ABN: 38412587686

## NCS Test Information

- \*This test needs to be conducted in the hospital if patient has a pacemaker
- NCS (Nerve Conduction Studies) are used to assess the peripheral (arms, hands, legs and feet) nerve function and to determine a neurological cause for muscle weakness and sensory loss in these areas. This is most commonly used to confirm diagnosis of Carpal Tunnel Syndrome, but can be used to investigate other complaints.
- The test involves the placement of electrodes on specific muscles on the arm or leg which will record an applied stimulus to the nerve.
- The applied stimulus is a short electric stimulation of the nerves
- This may cause some minimal discomfort, but is over quickly. The sensation is likened to a 'TENS' machine used to electrically stimulate the muscles, often used by Physiotherapists or Chiropractors.
- The purpose of this test is to determine how 'fast' and well the nerve is propagating the stimulus to the muscle.
- The test generally takes an hour to complete if 2 limbs are being tested. Please ensure that easy access to the required limb can be obtained during the test. Eg. If your leg is to be tested please wear shorts or a skirt.
- The scientist will need to know a history of the complaint (usually briefly outlined in the referral).