



Adelaide NeuroDiagnostics

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Nerve Conduction Study (NCS)

Test Information

A nerve conduction study measures the length of time it takes for a nerve impulse to travel along the nerve. If there is damage, disease or the nerve is compressed the signal being recorded will slow.

Please allow an hour or so for the test.

When preparing for the test, please:

- keep your hands and feet warm (Coldness can slow the nerve impulses)
- do not use any type of creams on your skin as this interferes with the recording
- do not wear any jewellery

During the test

- To measure the nerve impulses, recording electrodes are placed onto your skin.
- An electrode stimulator is then used to stimulate the nerve producing a small electrical pulse which can feel like a sharp tapping sensation. This is usually repeated on several nerves. The sensation is similar to a TENS machine and does not cause harm to the nerves.
- The technician performing the nerve conduction studies will not be able to give you the results.
- The Neurologist will analyse the results and explain them to you.
- A copy of your report will be sent to your referring doctor.
- If your appointment is not convenient please ring us as soon as possible to rearrange it.