

**Topic: Nerve Conduction**  
**Class: B.Sc Part –III (Hons.)**  
**Paper- V**  
**Group – B**

**Faculty Name : Dr. Kumari Sushma Saroj**

**Department: Zoology**

**College: Dr. L. K. V. D College, Tajpur, Samastipur**

# Nerve Conduction

- A **nerve conduction study (NCS)** is a medical diagnostic test commonly used to evaluate the function, especially the ability of electrical conduction, of the motor and sensory nerves of the human body.
- These tests may be performed by medical specialists
- such as clinical neurophysiologists,
- Physical therapists,
- chiropractors,
- Physiatrists (physical medicine and rehabilitation physicians), and
- Neurologists who subspecialize in electrodiagnostic medicine

- In the United States, neurologists and physiatrists receive training in electrodiagnostic medicine (performing needle electromyography (EMG) and **NCSs**)
- As part of residency training and in some cases acquire additional expertise during a fellowship in clinical neurophysiology, electrodiagnostic medicine, or neuromuscular medicine.
- Outside the US, clinical neurophysiologists learn needle EMG and NCS testing.

# Nerve conduction velocity (NCV)

- Nerve conduction velocity (NCV) is a common measurement made during this test.
- The term NCV often is used to mean the actual test, but this may be misleading,
- since velocity is only one measurement in the test suite.