

## Presentation Title: "Breakthrough with NCV/EMG"

Course Description: This one-hour presentation designed to provide healthcare professionals, specifically chiropractors, with a comprehensive understanding of the clinical necessity, components, and application of Nerve Conduction Velocity (NCV) and Electromyography (EMG) exams in the neuromusculoskeletal world. This course also aims to highlight the importance of evidence-based chiropractic practices in contributing to research and enhancing clinical competency. Participants will gain valuable insights and practical knowledge to improve their diagnostic abilities and patient care.

### Course Outline:

I. Introduction A. Welcome and course overview B. Importance of NCV/EMG in the neuromusculoskeletal world

II. Understanding the Clinical Necessity of NCS/EMG A. Role of NCS/EMG in diagnostic decision-making B. Conditions and pathologies where NCS/EMG is crucial C. Case studies illustrating the impact of NCS/EMG on patient management

III. Components of the NCS/EMG Exam A. Nerve Conduction Velocity (NCV) 1. Definition and principles 2. Techniques and equipment used in NCV testing 3. Interpretation of NCV results

B. Electromyography (EMG) 1. Introduction to EMG 2. Types of EMG examinations (needle EMG, surface EMG) 3. Performing and interpreting EMG studies

IV. Enhancing Clinical Competency through Evidence-Based Chiropractic Practices A. Importance of evidence-based approaches in chiropractic B. Contribution of evidence-based chiropractors to research C. Strategies to enhance clinical competency using evidence-based practices