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Nota di contenuto	Cover; Contents; Foreword; Preface; Acknowledgments; 1. Overview of Nerve Conduction Studies; How the Peripheral Nervous System Conveys Information; Stimulating and Recording Electrodes; Electrode Amplifiers and Ground Electrode; Reducing Artifacts and Interference; Electrical Safety; Temperature Effect; Effect of Aging; Motor Nerve Conduction; Sensory Nerve Conduction; Role of Dorsal Root Ganglia (DRG) in Localizing Lesions; Late Responses: F-wave and H-reflex; Types of Nerve Injury; Neurapraxia; Axonal Loss Injury; Ion channel Disorders (Channelopathies) 2. Overview of Electromyography (EMG)The Motor Unit; Needle Electrodes; Muscle Selection for Needle EMG; The Needle EMG Examination; Assessment of Insertional Activity; Assessment of Spontaneous Activity; Assessment of Motor Unit Potentials (MUPs); Assessment of Firing Pattern and Recruitment; Complications Related to Needle Electromyography; 3. Brachial Plexus; Upper Trunk Lesion; Middle Trunk Lesion; Lower Trunk Lesion; Plexus Cord Lesions; 4. Median Nerve; Carpal Tunnel Syndrome; Anterior Interosseous Nerve Syndrome; Pronator Teres Syndrome; Ligament of Struthers' Syndrome Median Nerve Conduction StudiesMedian Motor Nerve Conduction Study; Short Segment Stimulation across the Palm ("inching technique"); Median F-waves; Martin-Gruber Anastomosis; Median Sensory Nerve

Conduction Study; Median and Ulnar Palmar Comparative Study for the Diagnosis of CTS; Median and Ulnar Digit 4 (ring finger) Comparative Study; Median and Superficial Radial Digit 1 (thumb) Comparative Study; Combined Sensory Index (CSI); Standards for Severity of Carpal Tunnel Syndrome; Digital Branch Injury; Needle Electromyography; Abductor Pollicis Brevis; Opponens Pollicis
Flexor Pollicis Brevis1st, 2nd Lumbricals; Pronator Quadratus; Flexor Pollicis Longus; Flexor Digitorum Profundus, Digits 2 and 3; Flexor Digitorum Superficialis (sublimis); Palmaris Longus; Flexor Carpi Radialis; Pronator Teres; 5. Ulnar Nerve; Ulnar Neuropathy at the Elbow (Retrocondylar Groove); Ulnar Neuropathy at the Elbow (Cubital Tunnel Syndrome); Ulnar Neuropathy at the Wrist (Guyon's Canal); Ulnar Nerve Conduction Studies; Ulnar Motor Nerve Conduction Study from Abductor Digiti Minimi (ADM); Ulnar Motor Nerve Conduction Study from First Dorsal Interosseous (FDI)
Short Segment Stimulation across the Elbow ("inching technique")Ulnar F-waves; Martin-Gruber Anastomosis; Riches-Cannieu Anastomosis (RCA); Ulnar Sensory Nerve Conduction Study; Dorsal Ulnar Cutaneous (DUC) Nerve Conduction Study; Anomalous Superficial Radial Innervation to Ulnar Dorsum of Hand; Needle Electromyography; Adductor Pollicis; Flexor Pollicis Brevis; First Dorsal Interosseous; 2nd, 3rd, 4th Dorsal Interossei; Palmar Interossei; 3rd and 4th Lumbricals; Abductor Digiti Minimi; Opponens Digiti Minimi; Flexor Digiti Minimi; Flexor Digitorum Profundus, Digits 4 and 5
Flexor Carpi Ulnaris

Sommario/riassunto

Beautifully and lavishly illustrated, Atlas of Nerve Conduction Studies and Electromyography demystifies the major conditions affecting peripheral nerves and provides electrodiagnostic strategies for confirming suspected lesions of the peripheral nervous system. Building on the success of the landmark Atlas of Electromyography, this new text is divided into sections based on the major peripheral nerves. It contains detailed illustrations of each nerve along with a discussion of its anatomy, followed by a thorough outline of the clinical conditions and entrapment syndromes that affect the nerve