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Titolo	Electrodiagnostic medicine : a practical approach // edited by Nestor Galvez-Jimenez, Alexandra Soriano, John A. Morren
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Intro -- Foreword -- Preface -- Few Antecedent Words of Gratitude from NGJ -- Using the Book -- Contents -- Contributors -- 1: Principles of Electrodiagnosis: Introduction -- Introduction -- Biases, Advantages and Disadvantages/Limitations (see Tables 1.2, 1.3 and 1.4) -- Physiopathological Basis for the Interpretation of NCS -- Nerve Conduction Studies -- Needle Electrode Examination -- Late Responses -- F-Wave (Fig. 1.4) -- H-reflex (Fig. 1.5) -- The A-wave or Axon Reflex -- Blink Reflexes -- Facial Nerve Motor Studies -- Standard Assessments of the Upper and Lower Extremities -- Some Common Scenarios in Which an Electrodiagnostic Study Is Requested -- Hand Pain/Numbness/Sensory Disturbance -- Foot Pain/Numbness/Sensory Disturbance -- Radiculopathies -- Proximal Lower Limb/Anterior Thigh Weakness -- Foot Drop/Weakness -- Generalized Weakness -- References -- 2: Atlas of Nerve Conduction Studies (NCS) -- Introduction -- General Concepts -- Upper Extremities -- Sensory NCS -- Median Sensory Recording at Index Finger (See Fig. 2.1) -- Median Sensory Recording at the Thumb (See Fig. 2.2) -- Median Sensory Recording at Middle Finger (See Fig. 2.3) -- Ulnar Sensory Recording at Fifth Finger (See Fig. 2.4) -- Dorsal Ulnar Cutaneous Sensory Recording at Dorsum of the Hand (See Fig. 2.5) -- Radial Sensory Recording at Base of the Thumb (See Fig. 2.6) -- Median

Palmar Mixed Nerve (See Fig. 2.7) -- Ulnar Palmar Mixed Nerve (See Fig. 2.8) -- Medial Antebrachial Cutaneous Sensory Recording Medial Forearm (See Fig. 2.9) -- Lateral Antebrachial Cutaneous Sensory Recording Lateral Forearm (See Fig. 2.10) -- Motor NCS -- Median Motor Recording at Abductor Pollicis Brevis (APB) -- Ulnar Motor Recording at Abductor Digiti Minimi (ADM) -- Ulnar Motor Recording at First Dorsal Interosseous (FDI) -- Radial Motor Recording at Extensor Digitorum (Communis) [ED/EDC].

Musculocutaneous Recording at Biceps Brachii -- Axillary Recording at Deltoid Muscle -- Lower Extremity -- Sensory NCS -- Sural (Sensory) Recording Posterior Distal Leg/Lateral Ankle (See Fig. 2.23) -- Superficial Peroneal (Fibular) Sensory Recording Dorsolateral Aspect of Ankle/Proximal Foot (See Fig. 2.24) -- Saphenous Nerve Recording Medial Distal Leg (See Fig. 2.25) -- Lateral Femoral Cutaneous Nerve Recording Lateral Thigh (See Fig. 2.26) -- Medial and Lateral Plantar Mixed Nerve Response Recording the Medial Ankle (See Figs. 2.27 and 2.28) -- Motor NCS -- Peroneal (Fibular) Motor Recording at Extensor Digitorum Brevis (EDB) -- Peroneal (Fibular) Motor Recording at Tibialis Anterior (TA) -- Tibial Motor Recording at Abductor Hallucis (AH) -- Tibial Motor Recording at Abductor Digiti Quinti Pedis (ADQP) -- Femoral Motor Recording at Rectus Femoris -- Tibial H-Reflex Recording at Soleus -- Spinal Accessory Motor Recording at Trapezius -- Facial Motor Recording at Nasalis -- Suggested Reading -- 3: Atlas of Needle Electrode Examination (NEE)

-- Upper Extremity -- Abductor Pollicis Brevis (APB) -- Opponens Pollicis -- Flexor Pollicis Brevis -- Pronator Quadratus (PQ) -- Flexor Pollicis Longus -- Flexor Digitorum Profundus to Digits 2,3 (FDP) -- Flexor Carpi Radialis (FCR) -- Pronator Teres (PT) -- First Dorsal Interosseous (FDI) -- Abductor Digiti Minimi (ADM) -- Flexor Digitorum Profundus (FDP) to Digits 4,5 -- Flexor Carpi Ulnaris (FCU) -- Extensor Indicis [Proprius] (EI/EIP) -- Extensor Carpi Ulnaris (ECU) -- Extensor Digitorum [Communis] (ED/ EDC) -- Brachioradialis -- Anconeus -- Triceps Brachii -- Biceps Brachii -- Pectoralis Major -- Deltoid -- Teres Minor -- Upper Trapezius -- Sternocleidomastoid -- Supraspinatus -- Infraspinatus -- Rhomboids -- Latissimus Dorsi -- Serratus Anterior -- Cervical Paraspinal Muscles -- Lower Extremity. Extensor Digitorum Brevis -- Extensor Hallucis Longus -- Peroneus Tertius -- Tibialis Anterior -- Peroneus Longus -- Abductor Hallucis -- Flexor Hallucis Brevis -- Flexor Digitorum Longus -- Iliopsoas or Iliacus -- Short Head of Biceps Femoris -- Long Head of Biceps Femoris -- Semimembranosus -- Semitendinosus -- Tensor Fascia Lata -- Gluteus Medius -- Gluteus Maximus -- Vastus Lateralis -- Rectus Femoris -- Adductor Longus -- Lumbar Paraspinal Muscles -- Suggested Reading -- 4: Introduction to Needle Electromyography -- What Do We Measure with the Needle EMG? -- How Do We Perform These Measurements? -- What Do the Measurements Mean? How Do Different Diseases Affect These Measurements? -- How Do These Measurements Correlate with Motor NCS? -- Summary -- References -- 5: Mononeuropathies -- Median Nerve -- Median Neuropathy at the Wrist (Carpal Tunnel Syndrome) -- Anterior Interosseous Nerve (AIN) Syndrome -- Median Mononeuropathy at the Proximal Medial Forearm (Pronator Teres Syndrome) -- Ulnar Nerve -- Ulnar Neuropathy at the Elbow -- Radial Nerve -- Radial Neuropathy at the Spiral Groove -- Radial Neuropathy at the Elbow -- Radial Neuropathy at the Wrist -- Peroneal (Fibular) Nerve -- Tibial Nerve -- Sciatic Nerve -- Femoral Nerve -- Facial Nerve -- Less Common Mononeuropathies -- Suprascapular Neuropathy -- Axillary Neuropathy -- Musculocutaneous Neuropathy -- Long Thoracic Neuropathy -- Spinal Accessory Neuropathy -- Sample Cases

-- Median Neuropathy (at the Wrist) -- History of Presentation and Exam Findings -- Ulnar Neuropathy (at the Elbow) -- History of Presentation and Exam Findings -- Radial Neuropathy -- History of Presentation and Exam Findings -- Suprascapular Neuropathy -- History of Presentation and Exam Findings -- Axillary Neuropathy -- History of Presentation and Exam Findings -- Anterior Interosseous Neuropathy.

History of Presentation and Exam Findings -- Sciatic Neuropathy -- History of Presentation and Exam Findings -- Peroneal (Fibular) Neuropathy -- History of Presentation and Exam Findings -- Tibial Neuropathy (at the Tarsal Tunnel) -- Femoral Neuropathy -- History of Presentation and Exam Findings -- References -- 6:

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Electrodiagnostic Studies in Polyneuropathy -- Electrodiagnosis of Axonal Polyneuropathies -- Role of Electrodiagnostic Studies in Diabetes Mellitus -- Nutritional Deficiency and Polyneuropathy -- Toxic Polyneuropathies -- Differential Diagnosis of Distal Symmetric Polyneuropathy -- Electrodiagnosis of Demyelinating Polyneuropathies -- Electrodiagnosis of Acute Inflammatory Demyelinating Polyradiculoneuropathy (AIDP) -- Electrodiagnosis of AMAN/AMSAN -- Electrodiagnostic Findings in Other Variants of GBS -- Electrodiagnostic Studies in Chronic Inflammatory Demyelinating Polyradiculoneuropathy (CIDP) -- CIDP Variants -- Other Demyelinating Polyneuropathies -- Inherited Polyneuropathies -- Electrodiagnostic Examination

Techniques and Protocol for Evaluation of Polyneuropathy -- Nerve Conduction Study -- Electromyography.

Recommended Nerve Conduction Study Protocol for Polyneuropathy -- References -- 7: Brachial Plexopathies -- Introduction -- General Anatomy of the Brachial Plexus -- Elemental Anatomy of the Brachial Plexus -- Roots -- Trunks -- Divisions -- Cords -- Terminal Nerves -- Regional Anatomy of the Brachial Plexus -- Brachial Plexus Assessment -- Clinical Assessment -- Electrodiagnostic Assessment -- The Motor Axon Pathways -- The Sensory Axon Pathways -- EDX Assessment of the Brachial Plexus by Region -- Introductory Comments -- Localizing Strategies -- Sensory NCS -- Motor NCS -- The Needle EMG -- NCS Assessment of Specific Brachial Plexus Regions -- The Upper Plexus -- The Middle Plexus -- The Lower Plexus -- The Lateral Cord -- The Posterior Cord -- The Medial Cord -- The Preterminal and Terminal Nerves -- EDX Exercises in Brachial Plexus Localization -- Brachial Plexus Exercises -- Exercise 1 -- Nerve Conduction Studies -- The Needle EMG Study -- EDX Conclusion -- Exercise 2 -- The Needle EMG Study -- EDX Conclusion -- Exercise 3 -- Nerve Conduction Studies -- The Needle EMG Study -- EDX Study Impression -- Exercise 4 -- Nerve Conduction Studies -- The Needle EMG Study -- EDX Study Impression -- Exercise 5 -- Nerve Conduction Studies -- The Needle EMG Study -- EDX Study Impression -- Exercise 6 -- The Needle EMG Study -- EDX Study Impression -- Exercise 7 -- Nerve Conduction Studies -- The Needle EMG Study -- EDX Study Impression -- Exercise

8 -- Nerve Conduction Studies -- The Needle EMG Study -- EDX Study
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-- Clinical Features -- Cervical Radiculopathies -- Thoracic
Radiculopathies -- Lumbosacral Radiculopathies -- Differential
Diagnosis of Cervical Radiculopathy -- Differential Diagnosis
of Lumbosacral Radiculopathies -- Electrodiagnostic Evaluation --
Nerve Conduction Studies.
The Needle Electrode Examination.

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