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Nota di contenuto	Cover; Title; Copyright; Contents; Contributors; Preface; Share Botulinum Neurotoxin Injection Manual; Section One: Botulinum Neurotoxin: Basic Science and Reconstitution; Chapter 1: Pharmacology of Botulinum Neurotoxins; Normal Neurotransmitter Release; BoNTs Synthesis and Structure; BoNT Binding/Blocking; BoNT Potency and Dosing; Clinical Implications of BoNT Pharmacology; Antigenicity, Antibody Formation, and Nonresponsiveness to BoNT; Safety; Central Effects of BoNTs; Summary; Chapter 2: Comparison of Botulinum Neurotoxin Products; BoNT Approvals BoNT Products: Antigenicity, Dilution, and Diffusion BoNT Products: Potency and Dose; Converting Units/Dose Among BoNT Products; Summary; Chapter 3: Neurotoxin Storage, Reconstitution, Handling, and Dilution; Serotype B BoNT; Serotype A BoNTs; OnabotulinumtoxinA (Botox®) Reconstitution and Handling; AbobotulinumtoxinA (Dysport®) Reconstitution and Handling; IncobotulinumtoxinA (Xeomin®) Reconstitution and Handling; RimabotulinumtoxinB (Myobloc® in the United States, NeuroBloc® Outside the United States) Reconstitution and Handling; Injection Supplies; Needle Selection Chapter 4: Guidance Techniques for Botulinum Neurotoxin Injections Anatomic Reference Guides, Surface Anatomy, and Palpation Guidance; EMG Guidance; Electrical Stimulation Guidance; B-Mode

Ultrasound; Combinations of Techniques; Other Guidance Techniques for BoNT Injections; Summary; Chapter 5: Phenol Nerve Blocks; Why Consider Phenol Neurolysis?; Phenol Mechanism of Action; Muscle Hypertonia; Pattern of Involvement; Injection Technique and Dosing; Musculocutaneous Nerve; Obturator Nerve; Tibial Motor Nerves; Summary; Section Two: Clinical Applications of Botulinum Neurotoxins Part I: Botulinum Neurotoxins for the Treatment of Muscle Overactivity Associated with Focal Dystonia Syndromes and Upper Motor Neuron Syndromes Craniofacial Dystonia; Chapter 6: Benign Essential Blepharospasm; Chapter 7: Botulinum Neurotoxin Therapy for Hemifacial Spasm; Chapter 8: Botulinum Neurotoxin Injections for Oromandibular Dystonias; Illustrations for Craniofacial Dystonia; Cervical Dystonia; Chapter 9: Botulinum Neurotoxin Injections for Cervical Dystonia; Illustrations for Cervical Dystonia; Upper Limb, Lower Limb, and Trunk Dystonia Chapter 10: Botulinum Neurotoxin for the Treatment of Idiopathic Primary Focal Limb Dystonia Chapter 11: Botulinum Neurotoxin for Treatment of Muscle Overactivity Associated with Upper Motor Neuron Syndromes; Chapter 12: Botulinum Neurotoxin for the Treatment of Trunk Dystonia/Camptocormia; Chapter 13: Botulinum Neurotoxin Injections for the Treatment of Tremor; Illustrations for Upper Limb, Lower Limb, and Trunk Dystonia; Part II: Botulinum Neurotoxins for Neurosecretory Disorders; Chapter 14: Botulinum Neurotoxin Therapy for Problematic Sialorrhea; Condition Chapter 15: Botulinum Neurotoxin Therapy for Hyperhidrosis

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Sommario/riassunto

The Essential Guide for Clinicians Who Prescribe and Inject BoNTs. This is a detailed and practical guide to botulinum neurotoxin therapy (BoNT) and the wide range of applications for neurological and pain disorders. A unique reference source for new injectors and experienced clinicians alike, this indispensable manual provides information on dose, dilution, and indications for all four FDA-approved toxins in one handy text. Following a brief review of relevant pharmacology, the book provides product information and comparative distinctions between the four FDA-approved toxins (Botox , Myobloc

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