

1. Record Nr.	UNINA9910574064703321
Autore	Jabbari Bahman
Titolo	Botulinum toxin treatment of pain disorders / / Bahman Jabbari
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2022] ©2022
ISBN	9783030996505 9783030996499
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (438 pages)
Disciplina	297.05
Soggetti	Botulinum toxin - Therapeutic use Toxina botulínica Ús terapèutic Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Intro -- Preface -- Contents -- Chapter 1: The History of Botulinum Neurotoxin Development -- Introduction -- Biology and Basic Science -- Neurologists: Clinical Neurotoxicologists in the United States -- PREEMPT Group (Drs. Silberstien, Dodick, Aurora, Lipton, Blumenfeld, and Others) -- Germany -- Austria -- References -- Chapter 2: Molecular Structure, Mode of Action, Immunology, Safety, and Side Effects of BoNTs -- Introduction -- Structure of Botulinum Neurotoxin and Its Mode of Action -- Diffusion and Spread of Neurotoxins -- Immunology of BoNTs -- Side Effects of BoNTs -- References -- Chapter 3: Analgesic Effects of Botulinum Neurotoxins: Data from Animal Studies Volunteers -- Introduction -- Pathophysiology of Pain at Peripheral and Central Levels -- Pain Modulation -- Data from Animal Studies -- Effect of Botulinum Toxins on Pain Channels and Receptors -- Effect on Sodium Channels -- Effect on Transient Receptor Potentials (TRP) Channels -- Effect on Purinergic Channels -- The Role of Nerve Growth Factor (NGF) in Pain -- The Effects of Botulinum Toxins on Inflammation -- Spinal Cord Gabaergic Neurons and Pain: Effects of Botulinum Toxins -- Effects of Botulinum Toxins on Opioid Channels -- Opioid Receptors -- BoNT Effects

on Nerve Regeneration and Nerve Recovery -- Evidence for Central Analgesic Effect of Botulinum Neurotoxins -- Additional Mechanisms Potentially Promoting the Analgesic Effects of BoNTs in Pain -- Conclusion -- References -- Chapter 4: Botulinum Toxin Therapy for Neuropathic Pain (NP) -- Neuropathic Pain: Definition and Pathophysiology -- Postherpetic Neuralgia (PHN) -- Treatment -- BoNT Studies in Postherpetic Neuralgia (PHN) -- Case Report -- Comment -- The Effect of Botulinum Toxin on Itch Associated with PHN -- Posttraumatic Neuralgia -- Treatment -- BoNT Treatment of Posttraumatic Neuralgia -- Case Report.

Metabolic and Drug-Induced Painful Peripheral Neuropathies -- Diabetic Neuropathy -- Pathophysiology -- Treatment of Painful Diabetic Neuropathy (PDN) -- BoNT Treatment in Diabetic Neuropathy -- Comment -- Painful Neuropathy Related to Drugs and Chemotherapeutic Agents -- Case Report -- Comment -- Complex Regional Pain Syndrome -- Pathophysiology -- Treatment of Complex Regional Pain Syndrome -- BoNT Treatment of CRPS -- Comment -- Residual Limb Pain and Phantom Pain -- Pharmacological Treatment -- BoNT Treatment of RLP and PLP -- Comment -- Chapter Conclusion -- References -- Chapter 5: Botulinum Toxin Treatment in Migraine and Other Headaches -- Migraine -- Introduction -- Treatment -- Therapeutic Use of Calcitonin Gene-Related Peptide (CGRP) Inhibitors -- Botulinum Neurotoxin for Preventive Treatment of Migraine -- Episodic Migraine (EM) -- Comment -- Chronic Migraine -- BoNT Injection Technique in Chronic Migraine -- Patient Report -- The Issue of Medication Overuse in Chronic Migraine -- Long-Term Response to BoNTs in Chronic Migraine and Safety Issues -- Imploding Versus Exploding Migraine -- BoNT Treatment in Pediatric Chronic Migraine -- Treatment of Chronic Migraine with Other Botulinum Toxins -- IncobotulinumtoxinA (Xeomin) -- The Mechanism of Action of OnabotulinumtoxinA (onaA) in Chronic Migraine -- Comparison of Botulinum Toxin Treatment and CGRP Treatment -- Comment -- Tension-Type Headache (TTH) -- Pathophysiology -- Treatment -- BoNT Treatment of Tension-Type Headache (TTH) -- Comment -- Chronic Daily Headaches (CDH) -- Trigeminal Autonomic Cephalalgias (TAC) -- Cluster Headaches -- Treatment -- BoNT Treatment of Cluster Headaches -- Posttraumatic Headaches (PTH) -- Botulinum Toxin Treatment of Posttraumatic Headaches -- Comment -- References -- Chapter 6: Botulinum Neurotoxins and Chronic Low Back Pain -- Introduction.

Anatomy of Low Back Muscles -- Pathophysiology of Chronic Low Back Pain -- Medical Treatment of Chronic Low Back Pain -- Evidence for Efficacy of BoNTs in Chronic Low Back Pain -- Studies -- Case Report -- How Does the Administration of Botulinum Toxin Improve Low Back Pain? -- Comment -- References -- Chapter 7: Botulinum Toxin Treatment of Plantar Fasciitis (Plantar Fasciopathy) -- Introduction -- Anatomy of Plantar Fascia -- Pathophysiology of Plantar Fasciitis -- Treatment of Plantar Fasciitis -- BoNT Treatment of Plantar Fasciitis -- Case Report -- Comparator Studies -- How Does BoNT Injections Improve Pain in Plantar Fasciitis? -- Conclusion -- References -- Chapter 8: Botulinum Toxin Treatment of Myofascial Pain Syndrome and Fibromyalgia -- Introduction -- Anatomy and Pathophysiology of Myofascial Pain Syndrome (MFPS) -- Treatment -- BoNT Treatment of Myofascial Pain Syndrome (MPS) -- Double-Blind, Placebo-Controlled Studies -- Comparator Studies -- Case Reports -- Patient (8-1): Myofascial Pain Syndrome with Two Trigger Points in One Muscle -- Patient (8-2): Multiple Trigger Points in Multiple Muscles -- Comment on the Efficacy of BoNT Therapy in Myofascial Pain Syndrome

-- The Mechanism of Action of BoNTs in Myofascial Pain Syndrome (MPS) -- Fibromyalgia -- Botulinum Toxin Treatment of Fibromyalgia -- Comment -- References -- Chapter 9: Botulinum Toxin Therapy for Pelvic and Urogenital Pain -- Introduction -- Anatomy of the Pelvic Floor -- Treatment of Chronic Pelvic Pain -- Botulinum Toxin Treatment of Chronic Pelvic Pain -- Rational -- Botulinum Neurotoxins Studies in Chronic Pelvic Pain (CPP) -- Comment -- Botulinum Toxin Treatment of Dyspareunia and Vaginismus -- Vulvodynia -- Comment -- Painful Bladder Disorders -- Botulinum Toxin Treatment of BPS/IC -- Injection Technique -- The Proposed Mechanisms of BoNT Action in Bladder Pain. Comment -- References -- Chapter 10: Botulinum Toxin Treatment of Chronic Facial Pain: Trigeminal Neuralgia and Temporomandibular Disorders -- Trigeminal Neuralgia (TN) -- Treatment -- Pharmacologic Treatment -- Surgical Treatment -- Anatomy and Physiology of Trigeminal Sensory System -- Botulinum Toxin Treatment of Trigeminal Neuralgia -- Human Studies of BoNTs in Trigeminal Neuralgia -- Case Report -- Comment -- Temporomandibular Disorder (TMD) -- Treatment -- Botulinum Toxin Treatment of TMD -- Comment -- Case Report (10-2) -- References -- Chapter 11: Botulinum Neurotoxins for Relief of Pain Associated with Spasticity -- Introduction -- Pathophysiology of Spasticity and Spasticity Related Pain (SRP) -- Treatment of Spasticity -- Nonpharmacological Treatment of Spasticity -- Pharmacological Therapy -- Procedural Approaches and Surgical Interventions -- Botulinum Toxin Studies in Spasticity That Have Included Assessment of Pain -- Upper Limb Spasticity-Related Pain in Adults -- Comment -- Case 11-1 -- Lower Limb Spasticity-Related Pain of Adults -- Case 2 -- Comment -- Effects of BoNT Treatment on Pain of Children with Cerebral Palsy and Spasticity -- Comment -- The Mechanism of Action of BoNTs in Spasticity-Related Pain (SRP) -- Conclusion -- References -- Chapter 12: Treatment of Dystonic Pain with Botulinum Neurotoxins -- Introduction -- Cervical Dystonia -- Treatment -- Effects of BoNTs on Pain Associated with Cervical Dystonia -- Comparator Studies -- Same Toxin, Different Doses -- Different Toxins -- Comment -- Case 12.1 -- Botulinum Toxin Treatment of Painful Dystonia in Neurodegenerative Disorders -- Case 12-2 -- Case 12-3 -- Comment -- Post-traumatic Dystonia -- Case 12-4 -- Comment -- References -- Chapter 13: Botulinum Toxin Treatment of Piriformis Syndrome -- Introduction -- Anatomy -- Pathophysiology of the Piriformis Syndrome. Treatment of the Piriformis Syndrome (PS) -- Botulinum Toxin Treatment of Piriformis Syndrome -- Double-Blind, Placebo-Controlled Studies of BoNTs in Piriformis Syndrome -- Technical Points -- Comparator Studies -- The Mechanism of Botulinum Toxin Action in Piriformis Syndrome -- Conclusion -- References -- Chapter 14: Botulinum Toxin Therapy for Prevention of Postsurgical Pain -- Introduction -- Postmastectomy Breast Reconstruction -- Botulinum Toxin Treatment of Pain After Breast Reconstructive Surgery -- Comment -- Posthemorrhoidectomy Pain -- Treatment of Posthemorrhoidectomy Pain -- Botulinum Toxin Treatment of Posthemorrhoidectomy Pain -- Blinded, Placebo Controlled Studies -- Randomized, Controlled Study -- Prospective, Randomized Comparator Studies -- Comment -- Prevention and Reduction of Posthernia Repair Pain -- Reduction of Severe Pain After Adductor Release Surgery -- Conclusion -- References -- Chapter 15: Botulinum Toxins (BoNTs) for Treatment of Pain in Orthopedic Disorders -- Introduction -- Chronic Lateral Epicondylitis (CLE) -- Botulinum Neurotoxin Studies in CLE -- Placebo-Controlled Studies --

Comparator Studies -- Comment -- Introduction -- Botulinum Toxin Treatment -- Comparator Studies -- Comment -- Botulinum Neurotoxin Treatment after Total Knee Arthroplasty -- Knee Pain with Vastus Lateralis Imbalance -- Botulinum Toxin Treatment -- Comments on the Use of BoNT Injections for Pain After Knee Arthroplasty and Vastus Lateralis Imbalance (Patellofemoral Syndrome) -- References -- Chapter 16: Botulinum Toxin in Dentistry and Treatment of Chronic Orofacial Pain -- Introduction -- Chronic Orofacial Pain -- Musculoskeletal Orofacial Pain -- Temporomandibular Disorders (TMDs) -- Definition, Classification, and Epidemiology -- Management of Temporomandibular Disorders. Efficacy of BoNT in the Treatment of Temporomandibular Disorders with Pain.
