

1. Record Nr.	UNINA9910300293003321
Titolo	Adult and Pediatric Neuromodulation // edited by Jason P. Gilleran, Seth A. Alpert
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-73266-8
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (243 pages)
Disciplina	612.82
Soggetti	Urology Surgery Neurology General Surgery
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part I: Adults -- Basic Neuroanatomy and Neurophysiology of the Lower Urinary Tract -- Neuromodulation for Non-Urologic Chronic Pain -- Sacral Neuromodulation for Overactive Bladder -- Neuromodulation for Non-Obstructive Urinary Retention -- Peripheral Nerve Evaluation -- Use of Electromyography (EMG) in Neuromodulation -- Pudendal Neuromodulation -- Neuromodulation for Chronic Pelvic Pain -- Sacral Neuromodulation for Fecal Incontinence -- Posterior Tibial Nerve Stimulation -- Management of Complications and Revisions of Sacral Neuromodulation -- CNS Non-invasive Brain Stimulation -- The Future of Neuromodulation -- Part II: Pediatrics -- Pediatric Posterior Tibial Nerve Stimulation -- Parasacral Transcutaneous Electrical Nerve Stimulation (TENS) in Pediatric Bladder Dysfunction -- Neuromodulation for Treatment of Pediatric Defecatory Disorders -- Pediatric Sacral Neuromodulation fo Voiding Dysfunction.
Sommario/riassunto	This text reviews the anatomy and physiology of neuromodulation for treatment of various pathology of the human body, with specific emphasis on sacral neuromodulation for bladder and bowel dysfunction in the adult and pediatric populations. In addition to historical overview of the various methods of neuromodulation, present day applications will be discussed as well as possible future directions for use. Adult and

Pediatric Neuromodulation will be of great value to medical professionals who are interested in the use of neuromodulation as a possible therapy option for their patients, particularly when other traditional or medical management options have failed. Each chapter is written by experts in the topic of various modalities of neuromodulation.
