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Nota di contenuto	Introduction / Ricardo A. Cruciani, Helena Knotkova, and Joav Merrick -- Introduction to electrotherapy technology / Marom Bikson ... [et al.] -- Brain changes related to chronic pain / Herta Flor -- Brain stimulation for the treatment of pain / Soroush Zaghi, Nikolas Heine, and Felipe Fregni -- Deep brain stimulation for chronic pain / Morten L. Kringelbach ... [et al.] -- Invasive treatment of chronic neuropathic pain syndromes : epidural stimulation of the motor cortex / Dirk Rasche and Volker M. Tronnier -- Brain stimulation in the management of postoperative pain / Jeffrey J. Borckardt, Scott Reeves, and Mark S. George -- Electrical stimulation of primary motor cortex for intractable neuropathic deafferentation pain / Youichi Saitoh -- Principles and mechanisms of transcranial magnetic stimulation / Monica A. Perez and Leonardo G. Cohen -- Principle and mechanisms of transcranial direct current stimulation (tDCS) / Andrea Antal, Walter Paulus, and Michael A. Nitsche -- Non-invasive brain stimulation therapy for the management of complex regional pain syndrome (CRPS) / Helena Knotkova ... [et al.] -- Non-invasive brain stimulation approaches to fibromyalgia pain / Baron Short ... [et al.] -- Safety of transcranial direct current stimulation (tDCS) in protocols involving human subjects / Arun Sundaram ... [et

al.].

Sommario/riassunto

In the past years, neuroimaging techniques provided a better insight into mechanisms involved in the development and maintenance of chronic pain. This book discusses this topic and how brain stimulation techniques aim to selectively enhance adaptive patterns of neural activity.
