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Titolo	Neuromodulation in Headache and Facial Pain Management : Principles, Rationale and Clinical Data // edited by Giorgio Lambru, Michel Lanteri-Minet
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Soggetti	Internal medicine Neurology Neurosciences Pain medicine Biomedical engineering Internal Medicine Neurology Pain Medicine Biomedical Engineering/Biotechnology
Lingua di pubblicazione	Inglese
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Nota di contenuto	Part-1: Principles of neuromodulation in headache field and facial pain field. Trigeminal mechanisms of nociception and principles of neuromodulation in pain -- Definition of refractory chronic headache. Part-2: Neuromodulation approaches in headache and facial pain disorders. Hypothalamic deep brain stimulation -- Occipital nerve stimulation -- Sphanopalatine ganglion stimulation -- Vagus nerve stimulation -- Cervical spinal cord stimulation in headache -- Transcranial direct current stimulation -- Repetitive transcranial magnetic stimulation -- External trigeminal nerve stimulation. Part-3: Clinical indication for neuromodulation in headache and facial pain disorders. Neuromodulation in migraine -- Neuromodulation and other non-pharmacological approaches in tension-type headache --

Neuromodulation in cluster headache -- Neuromodulation in other tacs and other primary headaches -- Neuromodulation in cervicogenic headache and occipital neuralgia -- Neuromodulation in classical trigeminal neuralgia and painful trigeminal neuropathy. Part-4: Challenges in neuromodulation: methodological barriers in clinical trials design and cost-effectiveness issues. Methodological difficulties in clinical trials assessing neuromodulation devices in the headache field -- Clinical and cost effectiveness of neuromodulation devices in the treatment of headaches: focus on non-invasive therapies.

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Sommario/riassunto

This book addresses all aspects of neuromodulation therapy in the management of headache and facial pain disorders, paying particular attention to the application of this rapidly growing and fascinating therapy to different forms of headache and facial pain conditions. It is divided into sections covering the principles of and rationale behind neuromodulation for headache, including in-depth discussions of challenging topics such as the definition of refractory headache and prognostic factors, and the technical aspects of devices used to modulate peripheral and central neuronal targets for the management of headaches. In addition, the book reviews the state-of-the art in current neuromodulation practice for headaches, discusses therapeutic strategies and therapy selection for each headache and facial pain disorder, and presents an in-depth, critical analysis of the published evidence, with sections covering innovative devices and emerging applications of novel neuromodulation technologies in the field. Gathering papers by internationally respected, leading experts, the book offers a unique guide to neuromodulation therapies in headache for neurologists, pain specialists, neurosurgeons, neuroscientists, trainees and general practitioners with an interest in headache and facial pain management.

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