

1. Record Nr.	UNINA9910817991703321
Titolo	Pain // volume editors, Fernando Cervero and Troels S. Jensen
Pubbl/distr/stampa	Edinburgh ; ; New York, : Elsevier, 2006
ISBN	1-283-60937-1 9786613921826 0-08-054498-3
Descrizione fisica	1 online resource (953 p.)
Collana	Handbook of clinical neurology ; ; 3rd ser., 3, v. 81
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Disciplina	616.0472
Soggetti	Pain Neurology
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	Front Cover; Pain; Copyright Page; Foreword; Preface; Introduction; Contents; Section 1: Pain and neurology; Chapter 1. Pain and hyperalgesia: definitions and theories; Chapter 2. Pain as a disease; Section 2: The neurobiology of pain; Peripheral signaling of pain; Chapter 3. Nociceptors: neurogenic inflammation; Chapter 4. Primary hyperalgesia and nociceptor sensitization; Chapter 5. Molecular mechanisms of nociception and pain; Spinal cord processing; Chapter 6. Anatomy and neurochemistry of the dorsal horn; Chapter 7. Pain and the spinal cord; Chapter 8. Ascending nociceptive pathways Chapter 9. The dorsal horn and hyperalgesiaSupraspinal processing; Chapter 10. Brainstem and thalamic relays; Chapter 11. Subcortical processing of nociceptive information: basal ganglia and amygdala; Chapter 12. Cortical mechanisms mediating acute and chronic pain in humans; Endogenous pain modulation; Chapter 13. Descending inhibitory systems; Chapter 14. Descending excitatory systems; Chapter 15. Descending pain modulation as a component of homeostasis; Section 3: The pathophysiology of pain; Chapter 16. Pathological changes in the nociceptor: alterations in TRPV1 activity and expression Chapter 17. Cytokines and painChapter 18. Itch and cold allodynia;

Chapter 19. Pathophysiology of nerve injury; Chapter 20. Central sensitization following nerve injury: molecular mechanisms; Chapter 21. Pain following spinal cord injury: central mechanisms; Chapter 22. Contribution of glia to pain processing in health and disease; Chapter 23. Sex, gender and pain; Chapter 24. Referred pain from internal organs; Chapter 25. The autonomic nervous system and pain; Section 4: Pain assessment; Chapter 26. Clinical examination; Neurophysiological examinations in neuropathic pain Chapter 27. Quantitative sensory testing Chapter 28. Brainstem reflexes and their relevance to pain; Chapter 29. Microneurography in the assessment of neuropathic pain; Chapter 30. Evoked potentials in the assessment of pain; Chapter 31. Neuropathological examination of peripheral nerves in painful neuropathies (neuralgias); Chapter 32. Brain imaging of pain; Chapter 33. Experimental human models of neuropathic pain; Chapter 34. Classification of neuropathic pain syndromes based on symptoms and signs; Section 5: Pain conditions in neurology: peripheral neuropathies; Pain after nerve injury Chapter 35. Complex regional pain syndrome Chapter 36. Painful entrapment disorders; Chapter 37. Pain after surgical interventions; Facial pain; Chapter 38. Trigeminal neuralgia and other facial neuralgias; Chapter 39. Atypical facial pain and burning mouth syndrome; Polyneuropathies and pain; Chapter 40. Painful diabetic neuropathies; Chapter 41. Painful small-fiber neuropathies; Chapter 42. Specific painful neuropathies; Chapter 43. Acute herpes zoster pain; Chapter 44. Postherpetic neuralgia; Chapter 45. Postamputation pain; Section 6: Pain conditions in neurology: central neuropathic pain Chapter 46. Pain following spinal cord injury

Sommario/riassunto

This volume provides a comprehensive accounting of pain and its relation to neurology. It is dedicated entirely to the mechanisms and clinical aspects of the subject, and provides a wealth of information on the latest neurobiological and clinical data surrounding the topic. From discussions of the physiology and pathology of the pain pathways from signaling, via spinal cord and supraspinal processing to endogenous pain modulation, users will gain an invaluable reference that provides a new understanding of pain related topics, including cytokines, sex differences, and the autonomic
