



Chronic Pain and Brain Abnormalities

Carl Y. Saab

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It is only natural for someone in pain to attend to the body part that hurts. Yet this book tells the story of persistent pain having negative effects on brain function. The contributors, all leading experts in their respective fields of pain electrophysiology, brain imaging, and animal models of pain, strive to synthesize compelling and, in some ways, connected hypotheses with regard to pain-related changes in the brain. Together, they contribute their clinical, academic, and theoretical expertise in a comprehensive overview that attempts to define the broader philosophical context of pain (disentangling sensible from nonsensical claims), list the changes known to take place in the brains of individuals with chronic pain and animal models of pain, address the possible causes and mechanisms underlying these changes, and detail the techniques and analytical methods at our disposal to "visualize" and study these changes.

- Philosophical and social concepts of pain; testimonials of chronic-pain patients
- Clinical data from pain patients' brains
- Advances in noninvasive brain imaging for pain patients
- Combining theoretical and empirical approaches to the analysis of pain-related brain function
- Manipulation of brain function in animal models
- Emerging neurotechnology principles for pain diagnostics and therapeutics

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The feeling that you get from Chronic Pain and Brain Abnormalities is a more deep you digging the information that hide inside words the more you get serious about reading it. It does not mean that this book is hard to know but Chronic Pain and Brain Abnormalities giving you enjoyment feeling of reading. The article writer conveys their point in particular way that can be understood by anyone who read this because the author of this guide is well-known enough. That book also makes your current vocabulary increase well. That makes it easy to understand then can go to you, both in printed or e-book style are available. We highly recommend you for having that Chronic Pain and Brain Abnormalities instantly.

Antonio Mock:

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Johnny Abel:

The particular book Chronic Pain and Brain Abnormalities has a lot details on it. So when you make sure to read this book you can get a lot of profit. The book was written by the very famous author. The writer makes some research just before write this book. That book very easy to read you may get the point easily after looking over this book.

Mildred Timm:

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