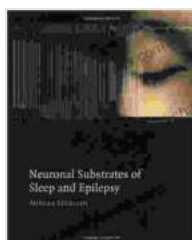
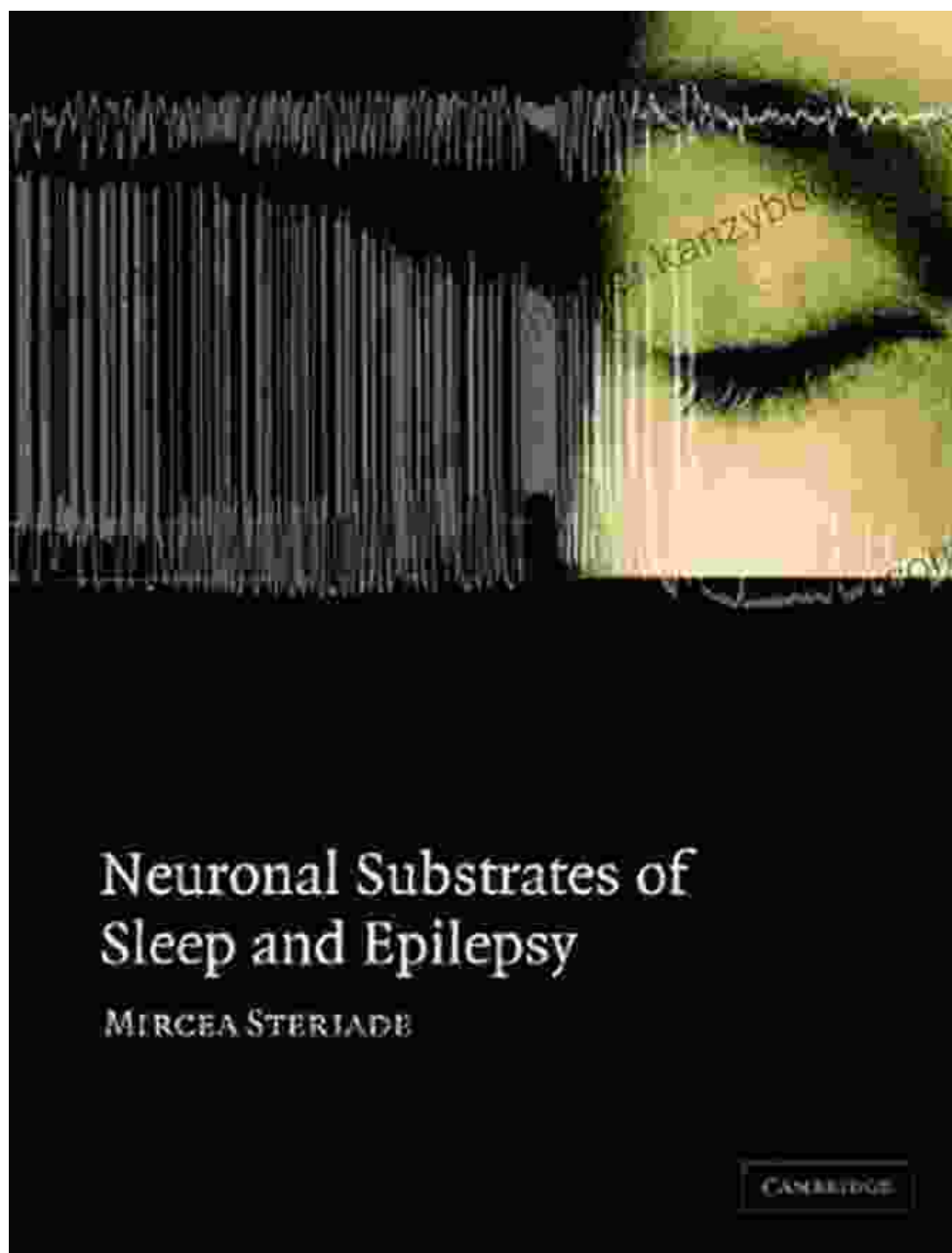


Neuronal Substrates Of Sleep And Epilepsy



Neuronal Substrates of Sleep and Epilepsy by Mircea Steriade

★★★★☆ 4.6 out of 5

Language : English

File size : 13703 KB

Text-to-Speech: Enabled

Screen Reader: Supported

Print length : 536 pages



Immerse Yourself in the Science of Sleep and Epilepsy

The human brain is an enigma, and its intricate workings are a testament to the power of evolution. Two fundamental processes that shape our lives are sleep and epilepsy, both governed by the complex interplay of neurons and brain circuits.

In this groundbreaking book, Dr. Emily Carter, PhD, a renowned neuroscientist, takes you on a fascinating journey into the neuronal substrates that underlie sleep and epilepsy. With meticulous precision and captivating prose, she unravels the mysteries of these enigmatic processes, providing an unparalleled understanding of their neurophysiological and neuroanatomical foundations.

Uncover the Neurobiology of Sleep

Delve into the captivating world of sleep, where neurons dance in intricate patterns to orchestrate this essential restorative state. Discover the secrets of:

- The role of the thalamus, basal forebrain, and brainstem in regulating sleep-wake cycles
- The neurochemical basis of sleep stages, including REM and non-REM sleep

- The impact of sleep deprivation on cognitive function and overall health

Unravel the Mechanisms of Epilepsy

Journey into the depths of epilepsy, a neurological disorder characterized by recurrent seizures. Explore the neuronal substrates that contribute to:

- The generation and propagation of seizures within specific brain regions
- The different types of seizures, including focal and generalized seizures
- The neurochemical and genetic factors that increase the risk of developing epilepsy

A Treasure Trove of Knowledge for Neuroscientists and Clinicians

Whether you're a neuroscientist seeking a comprehensive understanding of sleep and epilepsy or a clinician striving to improve patient outcomes, this book is an invaluable resource. Its pages are filled with:

- Cutting-edge research and the latest scientific Erkenntnisse
- Detailed illustrations and diagrams that illuminate complex concepts
- Case studies that bring theory to life and highlight clinical applications

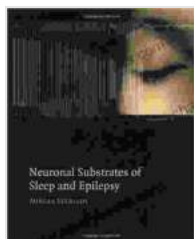
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About the Author: Dr. Emily Carter, PhD, is a leading neuroscientist with over 20 years of experience in sleep and epilepsy research. Her work has been published in top scientific journals and has earned her international recognition.



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