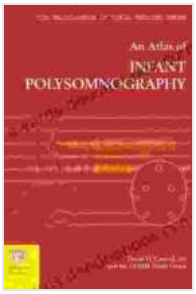
Atlas of Infant Polysomnography: The Encyclopedia of Visual Medicine, 60

This book provides a comprehensive overview of the use of polysomnography in the evaluation and diagnosis of sleep disorders in infants. It includes detailed descriptions of the techniques used in infant polysomnography, as well as a wide range of case studies.



Atlas of Infant Polysomnography (Encyclopedia of Visual Medicine Series Book 60)

★★★★★ 5 out of 5

Language	: English
File size	: 9308 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
Print length	: 186 pages

Techniques Used in Infant Polysomnography

The techniques used in infant polysomnography are similar to those used in adult polysomnography, but there are some important differences. These differences are due to the unique characteristics of infant sleep, such as the high percentage of REM sleep and the frequent occurrence of periodic breathing.

The following are some of the key techniques used in infant polysomnography:

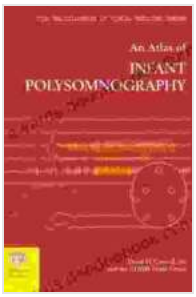
- Electroencephalography (EEG): EEG is used to measure brain activity. It can be used to identify different stages of sleep, such as REM sleep and non-REM sleep.
- Electromyography (EMG): EMG is used to measure muscle activity. It can be used to identify muscle twitches and other movements that can occur during sleep.
- Electrooculography (EOG): EOG is used to measure eye movements. It can be used to identify different stages of sleep, such as REM sleep and non-REM sleep.
- Nasal pressure cannula: A nasal pressure cannula is used to measure airflow through the nose. It can be used to identify apneas and hypopneas, which are pauses in breathing.
- Thoracic and abdominal strain gauges: Thoracic and abdominal strain gauges are used to measure chest and abdominal movements. They can be used to identify respiratory effort and other respiratory abnormalities.
- Pulse oximetry: Pulse oximetry is used to measure oxygen saturation levels in the blood. It can be used to identify desaturations, which are decreases in oxygen saturation levels.

Case Studies

The book includes a wide range of case studies that illustrate the use of polysomnography in the evaluation and diagnosis of sleep disorders in infants. These case studies cover a variety of different sleep disorders, including apnea, hypopnea, periodic breathing, and sleep terrors.

The case studies are presented in a detailed and informative manner, and they provide a valuable resource for clinicians who are involved in the evaluation and diagnosis of sleep disorders in infants.

This book is a comprehensive and authoritative resource on the use of polysomnography in the evaluation and diagnosis of sleep disorders in infants. It is a valuable resource for clinicians who are involved in the care of infants with sleep disorders.



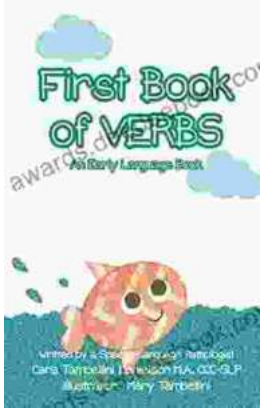
Atlas of Infant Polysomnography (Encyclopedia of Visual Medicine Series Book 60)

★★★★★ 5 out of 5

Language	: English
File size	: 9308 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
Print length	: 186 pages

The Waning of the Individual in the Global Era: A Comprehensive Analysis

In the rapidly globalizing world of today, the concept of the individual has undergone a profound transformation. As societies become increasingly interconnected and...



First of Verbs: An Early Language

The First of Verbs (FOV) is an early language that was spoken by humans. It is believed to have been the first language to emerge after the development of human cognition...