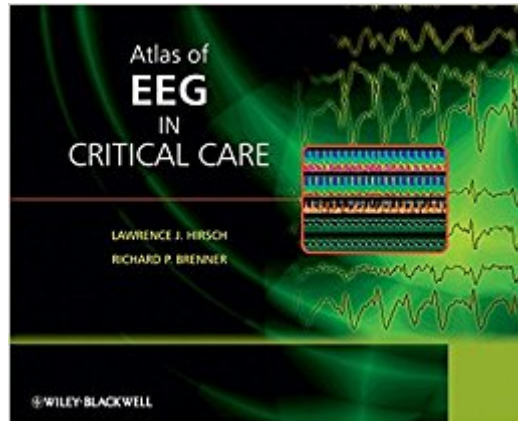




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# Atlas Of EEG In Critical Care



## Synopsis

As the population ages, technology improves, intensive care medicine expands and neurocritical care advances, the use of EEG monitoring in the critically ill is becoming increasingly important. This atlas is a comprehensive yet accessible introduction to the uses of EEG monitoring in the critical care setting. It includes basic EEG patterns seen in encephalopathy, both specific and non-specific, nonconvulsive seizures, periodic EEG patterns, and controversial patterns on the ictal-interictal continuum. Confusing artefacts, including ones that mimic seizures, are shown and explained, and the new standardized nomenclature for these patterns is included. The Atlas of EEG in Critical Care explains the principles of technique and interpretation of recordings and discusses the techniques of data management, and 'trending' central to long-term monitoring. It demonstrates applications in multi-modal monitoring, correlating with new techniques such as microdialysis, and features superb illustrations of commonly observed neurologic events, including seizures, hemorrhagic stroke and ischaemia. This atlas is written for practitioners, fellows and residents in critical care medicine, neurology, epilepsy and clinical neurophysiology, and is essential reading for anyone getting involved in EEG monitoring in the intensive care unit.

## Book Information

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## Customer Reviews

"We highly recommend this atlas to all health care providers interpreting electroencephalograms of critically ill patients or managing critically ill patients who are undergoing EEG monitoring." (Epilepsy & Behavior, 6 October 2010) "This unique atlas provides a reasonably comprehensive overview of

common and controversial EEG patterns in the ICU, and is laden with practical pearls of interpretation. It should serve the interested intensivist well, and is an excellent starting point for neurologists and neurosurgeons interested in the evolving fields of neurocritical care and EEG monitoring." (Canadian Journal of Neurological Sciences, November 2010)

As the population ages, technology improves, intensive care medicine expands, and neurocritical care advances, the use of EEG monitoring in the critically ill is becoming increasingly important.Â Neurologists and intensive care specialists need to become familiar with this technique. This atlas is a comprehensive and accessible introduction to the uses of EEG monitoring in the critical care setting. It includes basic EEG patterns seen in encephalopathy, both specific and nonspecific, nonconvulsive seizures, periodic EEG patterns, and controversial patterns on the ictalâ "interictal continuum. Confusing artefacts, including ones that mimic seizures, are shown and explained. The new standardized nomenclature for these patterns is included. After the major section on EEG patterns from both a basic and advanced viewpoint, there is an extensive section on prolonged continuous digital EEG monitoring, including data reduction, screening, and trending techniques such as compressed spectral array. These techniques can aid efficient recognition of seizures, ischemia, and other neurologic events, and can help visualize long-term trends. Explains principles of technique and interpretation of recordings Discusses methods of data management, and â ^trendingâ ™ central to long-term monitoring Demonstrates applications in multi-modal monitoring, correlating with new techniques such as microdialysis Features superb illustrations of commonly observed neurologic events, including seizures, hemorrhagic stroke and ischemia Illustrates commonly observed artifacts and â ^problemâ ™ readings Includes new nomenclature for EEG findings in the critically ill Atlas of EEG in Critical Care is an essential tool for practitioners, fellows and residents in critical care medicine, neurology, epilepsy, and clinical neurophysiology

excellent.

Very concise atlas for Neurointensivists, Neurohospitalists and Epileptologists. A companion DVD would be beneficial in this field, to be more comprehensive

It' a wonderful book

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