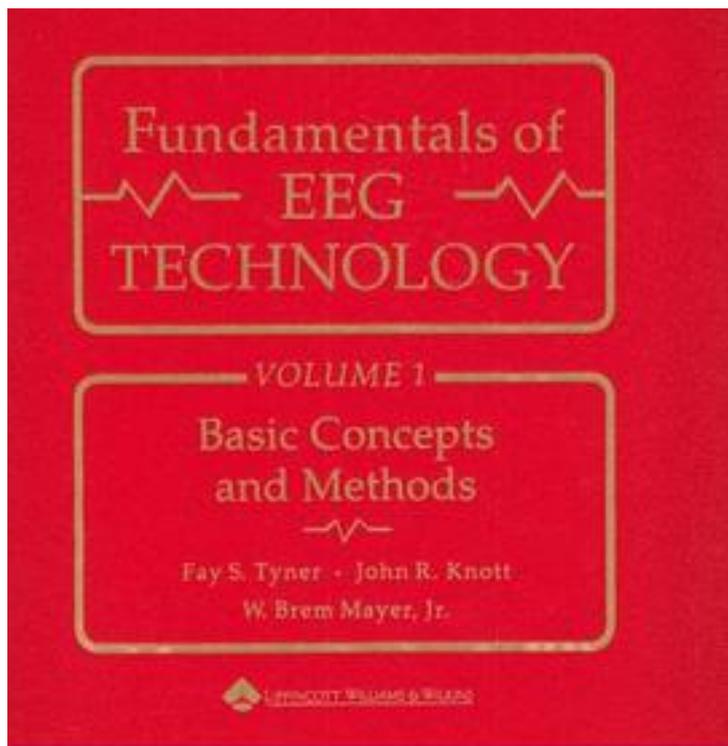


Fundamentals of EEG Technology



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This two-volume text is geared to students and EEG technologists at all levels of training. Volume 1--Basic Concepts and Methods--covers fundamentals of instrumentation; use of numbers in EEG; principles of electricity and electronics; electrode placement; polarity and localization; design and use of montages; and classification of EEG activity. More than 300 illustrations accompany the text, including full-sized reproductions of EEG samples. A thorough discussion of the concepts of normal and abnormal in adult, pediatric, and neonatal EEGs prepares the reader for

the clinical material in Volume 2 of this text. Volume 2--Clinical Correlates--focuses on the application of EEG to problems in clinical neurology and details specific EEG procedures that have proven most useful for particular diagnostic problems. Chapters cover seizure disorders; brain tumors; cerebrovascular disorders; metabolic and toxic encephalopathies; infections of the central nervous system; degenerative diseases; head trauma; headache; and brain death and electrocerebral inactivity. The authors' clinical-technical commentaries include guidelines published by the American Electroencephalographic Society and the International Federation of Societies for Electroencephalography and Clinical Neurophysiology, as well as diagnostic criteria proposed by the International League Against Epilepsy. More than 200 illustrations--including computed tomography scans and full-sized reproductions of EEG tracings--accompany the text.

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