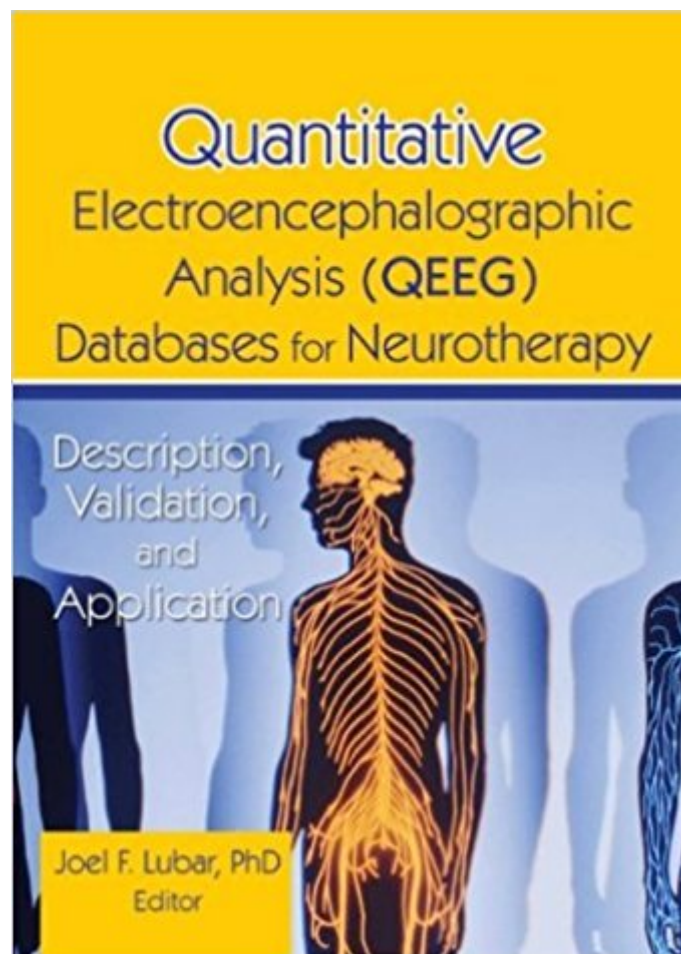


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# Quantitative Electroencephalographic Analysis (QEEG) Databases For Neurotherapy: Description, Validation, And Application



## Synopsis

Cutting-edge information on databases for research and clinical practice in neuropathy!

Quantitative Electroencephalographic Analysis (QEEG) Databases for Neurotherapy: Description, Validation, and Application examines the strengths and limitations of QEEG databases as a tool for the diagnosis of neurological and psychiatric disorders. This book is written by experts who have had considerable experience in either the development of databases or in working with them. This text can improve your ability to fine-tune existing protocols and develop new ones leading to better treatment, better long-term outcome, and fewer training sessions. Quantitative Electroencephalographic Analysis (QEEG) Databases for Neurotherapy can help you differentiate cognitive states, clinical disorders, and EEG changes throughout the lifespan of a patient. This book also reveals the latest technological developments and methodological practices, and comparisons are made between EEG databases to help you determine what is best for your needs. Several controversies involving quantitative EEGs are discussed, including ethical concerns and early criticisms against the use of these methods for diagnostic purposes. This book addresses important topics such as: the development of methodology for estimating the deviance from the database norms to determine abnormal brain functioning the most widely used QEEG databases; their construction and application as well as a comparison and contrast of their features the creation of a universal set of standards for determining which database is suitable for a researcher's or practitioner's needs the use of quantitative EEG and normative databases for clinical purposes; ethical concerns, advantages and limitations, and the proposal for a new clinical approach for neurotherapy the comparison of QEEG reference databases in analysis and in the evaluation of Adult Attention Deficit Hyperactivity Disorder. Quantitative Electroencephalographic Analysis (QEEG) Databases for Neurotherapy is supplemented with case studies, tables, figures, and graphs to support the experts' most recent findings. Furthermore, several chapters contain topographic maps to show the effects of these databases in clinical practice. This volume will be helpful to both novice and advanced neurotherapists in professions such as medicine, psychiatry, psychology, social work, nursing, and biofeedback.

## Book Information

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