

Clinical Magnetoencephalography and Magnetic Source Imaging



This is the first volume to explore the field of clinical magnetoencephalography (MEG) and magnetic source imaging (MSI), the techniques measuring the magnetic fields generated by neuronal activity in the brain. Describing the empirical knowledge gained during the last two decades, this book will serve as a basis for the training of clinicians and scientists entering this new and exciting field. The book covers the methods for recording MEG and performing MSI in a clinical setting and includes practical examples of data collection and analysis. It explains why MEG should be used in the evaluation and treatment of patients being considered for epilepsy surgery, concluding with a section describing the potential for future applications of these methods. This is essential reading for graduate students in clinical neuroscience, residents in neurology and psychiatry, neuroradiology and neurosurgery, specialists in neurophysiology and epilepsy, and clinicians in a wide range of related brain sciences.

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