Illustrated Manual of Clinical Evoked Potentials

is a modern, practical guide to assessing neurologic function in outpatient studies using evoked potentials.

The book is uniquely organized as a singular resource that provides the necessary background for understanding and conducting evoked potential studies. It functions as a multi-purpose text, atlas, and reading session, with numerous examples of studies and findings and discussion of key takeaways.

Divided into five chapters, the book opens with an introduction to the basics of data acquisition and interpretation that lays the foundation for the modality-specific chapters that follow. The next group of chapters are in-depth reviews of visual, brainstem auditory, and somatosensory evoked potentials. Each of these chapters lays out the specifics of the modality and study protocol with examples to show how things should—and should not—be done. Sample studies with discussions about how to interpret them highlight a particular aspect of normalcy or pathology. Imaging correlates are provided to emphasize salient points and offer perspective. The final chapter is an overview of the use of evoked potentials during surgery with imaging and case discussions to introduce the reader to this very important application.

Neurologists, clinical neurophysiologists, technologists, trainees, or anyone who has to interpret evoked potential studies, even intermittently, will find this illustrated manual to be a trusted companion in gaining proficiency and avoiding common pitfalls. Key Features: Detailed review of methodology of evoked potential studies Many examples of actual patient studies with imaging correlates Interpretation of each evoked potential study presented in detail “Reading session”-like discussion of each example Special chapter on evoked potentials in the operating room