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Nota di contenuto	""Contents""; ""Contributors""; ""SECTION 1 BASIC NEUROPHYSIOLOGY AND AN INTRODUCTION TO ANALYSIS OF ELECTROPHYSIOLOGIC WAVEFORMS""; ""1. ELECTRICITY AND ELECTRONICS FOR CLINICAL NEUROPHYSIOLOGY""; ""BASIC PRINCIPLES AND DEFINITIONS IN ELECTRICITY""; ""CIRCUIT ANALYSIS""; ""RESISTIVEa€?CAPACITIVE AND RESISTIVEa€?INDUCTIVE CIRCUITS""; ""CIRCUITS CONTAINING INDUCTORS AND CAPACITORS""; ""FILTER CIRCUITS""; ""TRANSISTORS AND AMPLIFIERS""; ""2. ELECTRIC SAFETY IN THE LABORATORY AND HOSPITAL""; ""INTRODUCTION""; ""ELECTRIC POWER DISTRIBUTION SYSTEMS""; ""ELECTRIC SHOCK""; ""LEAKAGE CURRENT"" ""ELECTRIC SAFETY PRINCIPLES AND IMPLEMENTATION"" ""ELECTRIC STIMULATION SAFETY""; ""3. VOLUME CONDUCTION""; ""PRINCIPLES ""; ""SOURCES OF ELECTRICAL POTENTIALS""; ""CURRENT SOURCES: MONOPOLES, DIPOLES, AND QUADRUPOLES""; ""VOLUME CONDUCTION THEORY: ELECTRIC PROPERTIES IN VOLUME CONDUCTORS""; ""APPLICATIONS OF VOLUME CONDUCTION PRINCIPLES""; ""4. DIGITAL

SIGNAL PROCESSING"; "DIGITAL COMPUTERS IN CLINICAL NEUROPHYSIOLOGY"; "DIGITIZATION"; "COMMON USES OF DIGITAL PROCESSING"; "AVERAGING"; "DIGITAL FILTERING"; "TIME AND FREQUENCY DOMAIN ANALYSIS"; "5. BASICS OF NEUROPHYSIOLOGY"  
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"8.  
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"ABNORMALITIES"; "12. AMBULATORY ELECTROENCEPHALOGRAPHY";  
"INTRODUCTION"; "INDICATIONS"  
"TECHNOLOGY"

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### Sommario/riassunto

This resource provides a didactic, yet accessible, presentation of electrophysiology that describes the analysis of electrophysiological waveforms, the various methods and techniques of electrophysiological testing, and recommendations of symptom complexes and disease entities using electroencephalography, evoked potentials, and nerve conduction studies.

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