

1. Record Nr.	UNINA9910458079503321
Titolo	Atlas of ambulatory EEG [[electronic resource] /] / editors, Bernard S. Chang, Steven C. Schachter, Donald L. Schomer
Pubbl/distr/stampa	Amsterdam ; ; Boston, : Elsevier Academic Press, c2005
ISBN	1-280-63077-9 9786610630776 0-08-045410-0
Descrizione fisica	1 online resource (118 p.)
Altri autori (Persone)	ChangBernard S SchachterSteven C SchomerDonald L
Disciplina	616.8 616.8047547
Soggetti	Electroencephalography Ambulatory electroencephalography Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover; Contents; Acknowledgments; Contributors; Introduction; Chapter 1: A Brief History of Ambulatory EEG; I. Introduction; II. The Rationale for Ambulatory Monitoring; III. Continuous versus Event/Intermittent Recording; IV. Clinical Application; V. Summary; References; Chapter 2: Automated Spike and Seizure Detection Algorithms; I. Introduction; II. Automatic Spike Detection; III. Seizure Detection; IV. Conclusion; References; Chapter 3: The Clinical Use of Ambulatory EEG; I. Purposes of EEG Monitoring; II. Event Monitoring; III. Ambulatory EEG Monitoring IV. Practical and Technical ConsiderationsReferences; Technical Aspects; Technical 1. A Typical Screen or Printed Page of Ambulatory EEG Recording; Technical 2. Left Temporal Seizure: No Filter Used; Technical 3. Left Temporal Seizure: 60-Hz Notch Filter; Technical 4. Left Temporal Seizure: High Frequency 35-Hz Filter; Technical 5. Left Temporal Seizure: High Frequency 15-Hz Filter; Technical 6. Generalized Spike-Wave Activity: Paper Speed 30 Seconds Per Page;

Technical 7. Generalized Spike-Wave Activity: Paper Speed 15 Seconds Per Page; Technical 8. Generalized Spike-Wave Activity: Gain = 2
Technical 9. Generalized Spike-Wave Activity: Gain = 1 Normal Sleep Morphologies; Normal Sleep 1. Sleep Spindles; Normal Sleep 2. K-Complexes and Sleep Spindles Recorded by Spike Detection Algorithm; Normal Sleep 3. Rapid Eye Movement of Sleep; Ambulatory Artifacts; Artifacts 1. Horizontal Eye Movement and Blink Artifacts; Artifacts 2. Eye-Blink Artifact; Artifacts 3. Eye Flutter Artifact Recorded by Seizure Detection Algorithm; Artifacts 4. Electrode Tapping Artifact; Artifacts 5. Jaw-Clenching Artifact; Artifacts 6. Chewing Artifact
Artifacts 7. Chewing Artifact Recorded by Spike Detection Algorithm Artifacts 8. Dry Electrode Artifact; Artifacts 9. Forehead Rubbing Artifact; Artifacts 10. Pulse Artifact; Abnormal Epileptiform Activity; Epileptiform 1. Focal Mesial Temporal Spikes Recorded by Spike Detection Algorithm; Epileptiform 2. Focal Anterior Temporal Spikes Recorded by Spike Detection Algorithm; Epileptiform 3. Bifrontal Spike-Wave Complexes Recorded by Spike Detection Algorithm; Epileptiform 4. Rolandic Spikes; Epileptiform 5. 3-Per-Second Spike-and-Wave Activity Recorded by Spike Detection Algorithm
Epileptiform 6A. Generalized Spike-and-Wave Activity Recorded by Seizure Detection Algorithm (Page 1 of 2) Epileptiform 6B. Generalized Spike-and-Wave Activity Recorded by Seizure Detection Algorithm (Page 2 of 2); Epileptiform 7. Brief Generalized Spike-and-Wave Activity Recorded by Seizure Detection Algorithm; Epileptiform 8A. Left Frontotemporal Seizure Recorded by Pushbutton Activation (Page 1 of 2); Epileptiform 8B. Left Frontotemporal Seizure Recorded by Pushbutton Activation (Page 2 of 2); Epileptiform 9. Frontal Onset Epileptiform Activity Recorded by Seizure Detection Algorithm
Epileptiform 10A. Right Mesial Temporal Seizure Recorded by Pushbutton Activation (Page 1 of 2)

Sommario/riassunto

Atlas of Ambulatory EEG is a first-of-its-kind publication in clinical neurophysiology, an atlas that comprehensively depicts normal, abnormal, and artifactual findings from actual ambulatory EEG recordings in a convenient and easily accessible format. As the use of ambulatory EEG has increased in recent years, the need for a concise atlas of ambulatory EEG has grown significantly, since ambulatory EEG tracings are subject to their own unique issues and artifacts, often not discussed in standard EEG atlases. This book begins with several chapters that introduce the history, technology
