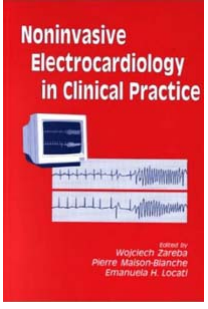


NONINVASIVE ELECTROCARDIOLOGY IN CLINICAL PRACTICE

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DESCRIPTION:

Computerized ECG exams are currently flourishing, and further development of these inexpensive and noninvasive diagnostic tools is expected in upcoming years. Because there is so much clinically relevant and useful information that can be obtained using modern electrocardiology, the editors strongly believe that a book summarizing current state-of-the-art methods of noninvasive electrocardiology will assist physicians in optimizing their clinical practice. Accordingly, the contributors comprise an international "who's who" in noninvasive electrocardiography.

The object of noninvasive electrophysiology is to reconcile comprehensive invasive electrophysiology with conventional surface electrocardiography, by extracting from the latter more extensive and dynamic information. Numerous facets of these new orientations are presented in this book, which is organized in two main sections. Part one describes noninvasive ECG tests, their methodology, and applications. Part two focuses on specific clinical conditions and diseases, and allows the reader to learn when it is worth using specific tests and when they are not of much benefit.

Clinical cardiologists and electrophysiologists at all levels will benefit from this well-written, informative update.

CONTENTS:**Part I: Modern Methods of Noninvasive ECG Testing.**

1. Holter and Event Recordings for Arrhythmia Detection.
2. Signal Averaging of the P Wave.
3. QRS Averaging.
4. QT Interval Duration and Adaptation to Heart Rate.
5. Dispersion of Repolarization: Concept, Methodology, and Clinical Experience.
6. T Wave Alternans and T Wave Variability: Noninvasive Indices of Vulnerability to Ventricular Tachycardias.
7. Time Domain Heart Rate Variability.
8. Frequency Domain Analysis of Heart Rate Variability.
9. Baroreflex Sensitivity.
10. Heart Rate Turbulence.
11. Tilt-Table Testing.
12. ST Segment Analysis in Exercise Stress Testing.
13. ST Segment Analysis in Ambulatory ECG (Holter) Monitoring: Clinical Significance and Analytical Techniques.

Part 2: Clinical Use of Noninvasive ECG Testing in Management of Patients.

14. Noninvasive ECG Testing in Management of Patients with Atrial Arrhythmias.
15. Noninvasive ECG Testing in Management of Patients with Ventricular Arrhythmias.
16. Noninvasive ECG Testing in Management of Patients with Syncopal Episodes.
17. Noninvasive ECG Testing for Risk Stratification of Patients with Recent Myocardial Infarction.
18. Noninvasive ECG Testing in Patients with Chronic Coronary Artery Disease.
19. Noninvasive ECG Testing in Patients with Dilated Cardiomyopathy.
20. Noninvasive ECG Testing in Management of Patients with Hypertension.
21. Clinical Use of Holter Monitoring in Patients with Implanted Pacemakers.
22. Implanted Defibrillators.
23. Pediatric Patients.
24. Evaluating Proarrhythmia.
25. Future of Noninvasive Electrocardiology.