



## Seamless Healthcare Monitoring

By Toshiyo Tamura

Springer-Verlag GmbH Dez 2017, 2017. Buch. Condition: Neu. Neuware - This book shares the knowledge of active and prestigious worldwide researchers and scholars in the field of healthcare monitoring as authors investigate historical developments, summarize latest advancements, and envision future prospects on wearable, attachable, and invisible devices that monitor diverse physiological information. The coverage of the book spans multiple disciplines, from biomechanics, to bioelectricity, biochemistry, biophysics and biomaterials. There is also wide coverage of various physical and chemical quantities such as electricity, pressure, flow, motion, force, temperature, gases, and biomarkers. Each chapter explores the background of a specific monitoring device, as well as its physical and chemical principles and instrumentation, signal processing and data analysis, achieved outcomes and application scenarios, and future research topics. There are chapters on: Electrocardiograms, electroencephalograms, and electromyograms Measurement of flow phenomenon Latest wearable technologies for the quantification of human motion Various forms of wearable thermometers Monitoring of gases and chemical substances produced during metabolism. and more! This book is appropriate and accessible for students and scientists, as well as researchers in biomedical engineering, computer engineers, healthcare entrepreneurs, administrative officers, policy makers, market vendors, and healthcare personnel. It helps to provide us with insights into future endeavors,...



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