Physiological Measurement

Volume 36 Number 9 September 2015

TOPICAL REVIEW

R27 Does the technique employed for skin temperature assessment alter outcomes?
A systematic review
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PAPERS

1763 Switching Kalman filter based methods for apnea bradycardia detection from ECG signals
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1785 Development of a noninvasive electrical impedance probe for minimally invasive tumor localization
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1801 Assessment of cardiovascular function from multi-Gaussian fitting of a finger photoplethysmogram
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1827 A careful look at ECG sampling frequency and R-peak interpolation on short-term measures of heart rate variability
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1853 A mathematical model of heat flow in a thermopile for measuring muscle heat production: implications for design and signal analysis
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1873 Heart rate dynamics distinguish among atrial fibrillation, normal sinus rhythm and sinus rhythm with frequent ectopy
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1889 A novel curve fitting method for AV optimisation of biventricular pacemakers
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1901 Neuromagnetic effects of pico-Tesla stimulation
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1913 Optical absorption spectra of human articular cartilage correlate with biomechanical properties, histological score and biochemical composition
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1929 Clinical frailty syndrome assessment using inertial sensors embedded in smartphones
A Galán-Mercant and A I Cuesta-Vargas

1943 Multifrequency electrical impedance tomography with total variation regularization
Zhou Zhou, Thomas Dowrick, Emma Malone, James Avery, Nan Li, Zhaolin Sun, Hui Xu and David Holder

1963 Obstructive sleep apnea detection using spectrum and bispectrum analysis of single-lead ECG signal
Roozbeh Atri and Maryam Mohebbi

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<tr>
<th>Year</th>
<th>Title</th>
<th>Authors</th>
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<tr>
<td>1981</td>
<td>Consistent quality control in ECG compression by means of direct metrics</td>
<td>Carlos Hernando-Ramiro, Manuel Blanco-Velasco, Lisandro Lovisolo and Fernando Cruz-Roldán</td>
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<td>1995</td>
<td>Design of tri-level excitation signals for broadband bioimpedance spectroscopy</td>
<td>Yuxiang Yang, Lianhuan Wang, Peipei Wang, Xiufang Yang, Fu Zhang, He Wen and Zhaosheng Teng</td>
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<td>2009</td>
<td>Automatic classification of apnea/hypopnea events through sleep/wake states and severity of SDB from a pulse oximeter</td>
<td>Jong-Uk Park, Hyo-Ki Lee, Junghun Lee, Erdenebayar Urtnasan, Hojoong Kim and Kyoung-Joung Lee</td>
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