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RECORDING AND PROCESSING ELECTROCARDIOGRAPHY SIGNALS DURING MAGNETOTHERAPY PROCEDURES

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Abstract

This paper presents the results of electrocardiography (ECG) signals recording when the subjects were exposed to magneto therapy procedure, with different magnetic field pulses. After the time domain and frequency domain representations of the recorded signals, there were trying to recover ECG signals waveforms, especially those during magneto therapy. In order to identify possible changes in ECG signals during the exposure to magnetic fields, there were also determined the R-R interval variability before, during and after magneto therapy.

Key words: ECG signal processing, heart rate variability, magneto therapy

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