

Blood Glucose Measurement and Analysis: Methodology

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Abstract : There is numerous non-invasive blood glucose measurement technique developed by researchers, and near infrared (NIR) is the potential technique nowadays. However, there are some disagreements on the optimal wavelength range that is suitable to be used as the reference of the glucose substance in the blood. This paper focuses on the experimental data collection technique and also the analysis method used to analyze the data gained from the experiment. The selection of suitable linear and non-linear model structure is essential in prediction system, as the system developed need to be conceivably accurate.

Keywords : linear, near-infrared (NIR), non-invasive, non-linear, prediction system

Conference Title : ICEEBE 2015 : International Conference on Electrical, Electronics and Biomedical Engineering

Conference Location : Istanbul, Türkiye

Conference Dates : November 27-28, 2015