



Caracterización de la impedancia eléctrica corporal en sujetos con padecimientos renales crónicos [

2014

text (article)

Analítica

This work shows the study and characterization of whole-body electric impedance measurement with a channel of development KIT (AD5933) and an arrangement of electrodes placed in the superior and inferior extremities in voluntary healthy peoples and with renal critical problems. The characteristics of measurement are analyzed with the study of a phantom developed at laboratory level, where is demonstrated the correspondence among the variability of the impedance with regard to the loss of the volume of the liquid stored, similar as dialysis process. We are carried out measurements in 17 voluntary people (men and women between 20 and 85 years), being analyzed the variability of the whole-body electric impedance in the interval from 5 up to 55 kHz. We observed the relationship among the differential average of whole-body electrical impedance measurement variability and their relation with the Dry Weight variable obtained before and later to hemodialysis process in different studied peoples

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electronic resource]

Editorial: 2014

Tipo Audiovisual: hemodiálisis medición de impedancia corporal peso seco hemodialysis whole electrical
impedance measurement dry weight

Documento fuente: Revista Científica de Ingeniería Electrónica, Automática y Comunicaciones, ISSN 0258-5944, Vol. 35, Nº. 3, 2014, pags. 1-15

Nota general: application/pdf

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Lengua: Spanish

Enlace a fuente de información: Revista Científica de Ingeniería Electrónica, Automática y Comunicaciones, ISSN 0258-5944, Vol. 35, Nº. 3, 2014, pags. 1-15

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