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Título	Modelagem e Simulação de um Sistema de Estimulação Por Ondas Elétricas
Resumo	This article presents a modeling and simulation of a muscle stimulation system by electric waves, applied to restore the mobility of patients in the process of bedridden, mainly in ICU patients. In view of the diversity of protocols for stimulation, by electric waves, applied to this group of patients, and also due to the fact that they do not have a consensus on the most correct modulation of electric waves, with regard to the effects of stimulation of contractions, accompanied by a minimum muscle fatigue, this investigation is performed here. It is proposed to develop a device prototype that promotes the desired electrical stimulation, but that is economically viable, giving access to the population, so that treatments can be performed at home, in cases of patients outside the ICU – Intensive Care Unit.
Assunto (palavras-chave)	Electrical Stimulation System. ICU patients treatment. Muscle Fadigue .
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