

Abstract

Iman Gamal Morsi

Fuzzy Logic in Heart Rate and Blood Pressure Measuring System

Healthcare sector quality demands are exponentially rising to design expert systems for medical diagnosis. Likewise there is growing capture of biological, clinical, administrative data and integration of distributed and heterogeneous databases. Those previous mentioned branches create a completely new base for medical quality and cost management. In this paper fuzzy logic model is designed and practically tested. A group of 105 patients is used to develop this model and another group of same count patients was used to test it. All results are compared using fuzzy logic model in MATLAB.