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Bioengineering System for Prediction and Early Prenosological Diagnostics of Stomach Diseases Based on Energy Characteristics of bioactive Points with Fuzzy Logic

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We apply mathematical models for the interaction of the internal and biologically active points of meridian structures. Amongst the diseases for which reflex diagnostics are effective are those of the stomach disease. It is shown that use of fuzzy logic decision-making yields good results for the prediction and early diagnosis of gastrointestinal tract diseases, depending on the reaction energy of biologically active points (acupuncture points). It is shown that good results for the prediction and early diagnosis of diseases from the reaction energy of biologically active points (acupuncture points) are obtained by using fuzzy logic decision-making Biography

Biography

Riad Taha Al-Kasasbeh has received his MS in Engineering Science and PhD in Controlling of Biological and of Electronic Equipments. Currently, he is a Professor at Al-Balqa University. He is a member of professional organisations, an auditor for quality of research and education and co-author of over 40 papers (Editions: Springer, IEEE, France Taylor, IASTED, etc.). He is also a Visiting Professor along with other universities like Philadelphia University and Konstanz University (HTWG), Germany. He was a Research Fellow of DFG at (HTWG). His research interests include biomedical engineering, biophysics, acupuncture, fuzzy logic decision-making, medical and ecology information systems. He has published several papers in scientific journals of applied sciences and technology.

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