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(57) Abstract :
METHOD AND SYSTEM FOR AN EARLY DETECTION OF NEURO   DEGENERATIVE DISORDERS USING ARTIFICIAL NEURAL NET   WORKS (ANN) CONJUGATED WITH THERMOGRAPHY ABSTRACT 5 A method and system (100) for an early detection of neurodegenerative disorders using Artificial Neural Networks (ANN) conjugated with thermography is provided. The method includes capturing (202) a plurality of thermograms (103) of an individual us   ing infrared thermal imaging (ITG). The method further includes developing and train   10 ing (204) a plurality of ANN models (104A-N) using a plurality of input parameters including at least an abnormal temperature, and a normal temperature, of a subject area of the individual and temperature data associated with a healthy brain activity and an unhealthy brain activity of the individual, for performing a statistical analysis of tem   perature of the brain of the individual using machine learning. The method further in   15 cludes performing (206) the statistical analysis of the temperature of the brain of the individual for early detection of neurodegenerative disorders by using the plurality of ANN models. [FIG.2]

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