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(54) Title of the invention : AN ARTIFICIAL INTELLIGENCE SYSTEM FOR EARLY DISEASE DIAGNOSIS AND

(57) Abstract :

The system 100 includes a server (108) stores the data transfred by the medical practitioner (104) and the laboratory/ diagnosing unit (106). The server (108) includes an AI condition detection & intervention module (202) that configured to collect patient's data, diagnoses a condition of the patient (102) and recommends a intervention. The AI condition detection & intervention module (202) includes a patient's data collection module (302), a data pre-processing module (304), a feature extraction and selection module (306A), an AI model training and validation module (306B), a disease diagnosis module (308), an intervention recommendation module (306B), and a continuous learning and improvement module (306B). The patient's data collection module (302) collects the patient's data, sends the data the data pre-processing module (304). The feature extraction and selection module (306A) extracts the patient's data and the AI model training and validation module (306B) train and validate using the extracted data. The disease diagnosis module (308) diagnose the disease of a patient (102) and recommend the intervention using an intervention recommend the most suitable intervention to save life.

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