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accuracy.

Summary

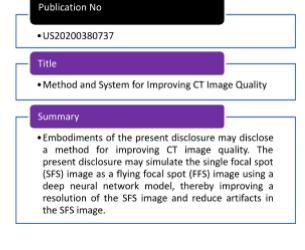


RECENT PATENT PUBLICATIONS ON ARTIFICIAL INTELLIGENCE (AI) IN HEALTHCARE

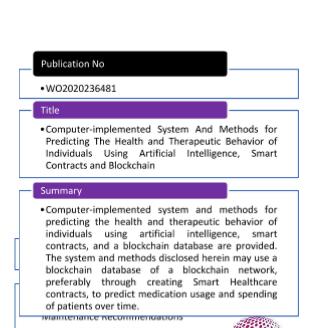
All in healthcare has witnessed an upward trend in terms of technology and devices. Here, we present snapshots from some recent publications related to this field.

Publication No •US20200373011 Title •Cardiometric Spectral Imaging System Summary •This invention meets the need to eliminate early cardiac abnormality detection limitations due to a Physician or Health Care Professional's inability to auscultate hearts sounds in the 3 Hz to 40 Hz frequency range using an acoustic or electronic stethoscope. Deep Learning Neural Network (DLNN) based Artificial Intelligence (AI) algorithms are used

to identify the cardiac abnormality with a 97%



Publication No • IN202041049358 Title · Voice Based Patients Monitoring System Using Artificial Intelligence Techniques Summary Artificial intelligence based patient monitoring system provides superior monitoring without patients intervention. This method of monitoring provides provision to patient to hear doctor's voice in a frequent period and they can answer to the doctor's questions. Artificial intelligence plays major role in asking questions to the patients based on their response, by parsing. The monitoring of the patients could be heart rate measurements, blood pressure temperature measurements. glucometers, measurements, etc. Publication No US20200387828 · Method and Process for Using Machine Learning to Categorize Service Suppliers



An Artificial Intelligence (AI) syster
 healthcare data from an individual diagnostic testing, physical examination and questionnaires as well as the individuals personal health goals. The collected data is provided to an AI

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•The present invention relates to a method and

process for transforming user files using a machine

learning algorithm and a natural language processing

to determine and categorize supplier entities (eg.

medical device manufacturer).

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Publication No

US20200364864

Title

 Systems and Methods for Generating Normative Imaging Data for Medical Image Processing Using Deep Learning

Summary

 Methods and systems are provided for generating a normative medical image from an anomalous medical image. In an example, the method includes receiving an anomalous medical image, wherein the anomalous medical image includes anomalous data, mapping the anomalous medical image to a normative medical image using a trained generative network of a generative adversarial network (GAN), wherein the anomalous data of the anomalous medical image is mapped to normative data in the normative medical image.

Publication No

• EP3737930

Title

 Methods and Apparatus for Bio-fluid Specimen Characterization Using Neural Network Having Reduced Training

Summary

 A method of training a neural network (Convolutional Neural Network - CNN) including reduced graphical annotation input is provided. The training method can be used to train a Testing CNN that can be used for determining Hemolysis (H), Icterus (I), and/or Lipemia (L), or Normal (N) of a serum or plasma portion of a test specimen.

Publication No

US20200388386

Title

Artificial Intelligence Dispatch In Healthcare

Summary

 Patient, user, and/or Al information are used in a multi-objective optimization to select one of a plurality of available Als for a task. On a patient or user-specific basis, an optimal Al is selected and applied for medical imaging or other healthcare actions. The selection may be before application, avoiding costs of applying multiple Als to obtain the best results. The optimization may be based on Al performance, Al inclusion and/or exclusion criteria, and/or pricing information. By using optimization based on various information related to the patient, user, and/or available Al, the application of Al for a given user and/or patient by the computer may be improved.

Publication No

US20200381131

Title

System and Method for Healthcare Compliance

Summary

• The present embodiments disclose a system and method for managing compliance in healthcare protocols. A plurality of sensors and microphones monitor an environment and generate a plurality of output signals. An analysis subsystem receives the plurality of output signals from the plurality of sensors and microphones. An Artificial Intelligence (AI) and machine learning subsystem compare the plurality of output signals with a dynamic database of healthcare protocols while a rating system determines a rating corresponding to a level of adherence to the dynamic database of healthcare protocols. An alert system generates an alert corresponding to the level of adherence.

Publication No

•WO2020243576; US20200375549

Title

 Systems for Biomonitoring and Blood Glucose Forecasting, and Associated Methods

Summary

 Systems and methods for biomonitoring and personalized healthcare are disclosed herein. In some embodiments, a computer-implemented method for forecasting a blood glucose state of a patient is provided.

Publication No

US20200387786

Title

Method for Learning from Data with Label Noise

Summary

 A method and a system are for performing at least one inference task on medical input data. In an embodiment, the system includes: a computing device configured to implement an artificial neural network. ANN.

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Our website: www.delphii.in

+91-6364301234