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(57) Abstract :

APPLICANT: VISHNU DENTAL COLLEGE TITLE: DIAGNOSIS PREDICTION AND GRADCAM VISUALIZATION OF DENTAL OPGs WITH DEEP LEARNING AI MODEL ABSTRACT The present invention discloses a method to predict diagnosis for multiple pathological conditions and GradCAM visualization of the predictions employing OPG images. The method of the present invention comprises of following sequential steps; a. receiving OPG image of a subject; b. submitting the OPG image to a characterized computing system for processing; c. obtaining from the characterized computing system prediction of positive as "1"™ or negative as "0"™ for each of 14 labeled pathological features and GradCAM visualization of each pathological feature predicted

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Patent Search

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Abstract:

APPLICANT: VISHNU DENTAL COLLEGE TITLE: DIAGNOSIS PREDICTION AND GRADCAM VISUALIZATION OF DENTAL OPGS WITH DEEP LEARNING AI MODEL ABSTRACT The p invention discloses a method to predict diagnosis for multiple pathological conditions and GradCAM visualization of the predictions employing OPG images. The method c present invention comprises of following sequential steps; a. receiving OPG image of a subject; b. submitting the OPG image to a characterized computing system for proc c. obtaining from the characterized computing system • prediction of positive as '1' or negative as '0' for each of 14 labeled pathological features and • GradCAM visualizati each pathological feature predicted

Complete Specification

Claims:WE CLAIM:

1. A method to predict diagnosis for multiple pathological conditions and GradCAM visualization of the said predictions employing OPG images comprises of following sequential steps;
 - a. Receiving OPG image of a subject;
 - b. Submitting the said OPG image to a characterized computing system for processing;
 - c. Obtaining from the said characterized computing system
 - prediction of positive as '1' or negative as '0' for each of 14 labeled pathological features
 - GradCAM visualization of each pathological feature predicted wherein the said characterized computing system is characterized in
 - Utilizing OPG image data set

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