

ABSTRACT

MEDICAL IMAGE-BASED SYSTEM FOR PREDICTING LESION CLASSIFICATION, AND METHOD FOR USING THEREOF

The present invention discloses a medical image-based system for predicting lesion classification and a method thereof. The system comprises a feature data extracting module for providing a raw feature data based on a medical image, and a predicting module for outputting a predicted class and a risk index according to the raw feature data. The predicting module comprises a classification unit for generating the predicted class and a prediction score corresponding thereto according to the raw feature data, and a risk evaluation unit for generating the risk index according to the prediction score. The system provides medical personnels a reference score and a risk index to determine progression of a certain disease.

FIG. 1a