

ABSTRACT

METHOD AND DEVICE FOR DETECTING BONE AGE

5 The embodiment of the application provides a method and device for detecting bone age, which relates to the field of machine learning technology. The method includes: obtaining a bone age image of a detection user, and determining positions of respective target epiphyses in the bone age image by using a positioning model; for each of the respective target epiphyses, determining a bone age score of the each of the respective target epiphyses according to features
10 and the position of the each of the respective target epiphyses, and finally determining a bone age of the detection user according to the bone age scores of the respective target epiphyses. Since different epiphysis shapes represent different bone age stages, and the epiphysis shapes at different positions also have certain differences, the embodiment of this application uses the positioning model to automatically determine the position of the target epiphysis, then the bone
15 age score is determined based on the features and the position of the target epiphysis, and finally the bone age of the detection user is determined based on the bone age scores without subjective judgment of bone age based on the bone age image, thus improving the accuracy of detecting bone age on one hand, and improving the efficiency of bone age detection on the other hand.

20

Fig. 4