

ABSTRACT

Discloses are a method and device for detecting and positioning a medical image lesion, computer equipment, and storage medium, which are applied in the field of deep learning technology and used to solve the problem of huge workload of existing detection methods. The method provided in the present application includes: obtaining a target medical image of a lesion to be detected; inputting the target medical image into a deep learning model to obtain a target sequence; then, extracting a first feature map output by the last convolutional layer in the deep learning model; extracting a weight value of each network unit corresponding to each of the preset lesion types in the fully connected layer; for each of the preset lesion types, calculating a fusion feature map according to the first feature map and the corresponding weight value; resampling the fusion feature map to the same size as the target medical image to generate a generic activation map; determine a maximum connected area in each generic activation map and establishing a marked border encircling the maximum connected area; and adding a marked border corresponding to each of the preset lesion types on the target medical image.

<FIGURE 2>