

## Abstract

### Colorectal polyp image recognition method, apparatus, and storage medium

The present application relates to a colorectal polyp image recognition method, an  
5 apparatus, and a storage medium. The colorectal polyp image recognition method  
comprises: performing color equalization processing and edge feature map fusion on a  
colorectal site image to obtain a gradient feature fusion map of the colorectal site image;  
and calling a pre-constructed classification model of colorectal polyp typing based on an  
attention splitting module ResNeSt Block, and recognizing the gradient feature fusion  
10 map of the colorectal site image. According to the present application, a recognition  
sample is constructed by performing color equalization processing and edge feature map  
fusion processing on the colorectal site image, so that image features can be effectively  
unified and enhanced; feature extraction is performed by means of a feature extraction  
network constructed on the basis of ResNeSt Block, so that a colorectal polyp typing  
15 result can be predicted more accurately, and a doctor is assisted to complete the  
inference of the pathological property of the colorectal polyp.

Drawing accompanying the abstract: FIG. 1