Abstract

Colorectal polyp image recognition method, apparatus, and storage medium

The present application relates to a colorectal polyp image recognition method, an 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 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 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