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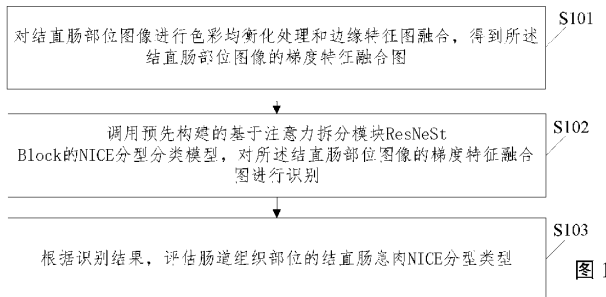
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(54) Title: COLORECTAL POLYP IMAGE RECOGNITION METHOD, APPARATUS, AND STORAGE MEDIUM

(54) 发明名称: 结直肠息肉图像的识别方法、装置及存储介质



- S101 Perform 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
- S102 Call a pre-constructed classification model of NICE typing based on an attention splitting module ResNeSt Block, and recognize the gradient feature fusion map of the colorectal site image
- S103 Assess the type of the colorectal polyp NICE typing at an intestinal tissue site according to the recognition result

(57) Abstract: 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

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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.

(57) 摘要: 本申请涉及一种结直肠息肉图像的识别方法、装置及存储介质。所述结直肠息肉图像的识别方法包括: 对结直肠部位图像进行色彩均衡化处理和边缘特征图融合, 得到所述结直肠部位图像的梯度特征融合图; 调用预先构建的基于注意力拆分模块ResNeSt Block的结直肠息肉分型的分类模型, 对所述结直肠部位图像的梯度特征融合图进行识别。本申请通过对结直肠部位图像进行色彩均衡化处理和边缘特征图融合处理构建识别样本, 可有效的统一及加强图像特征, 并通过基于ResNeSt Block构建的特征提取网络进行特征提取, 能更准确预测结直肠息肉分型结果, 辅助医生完成对结直肠息肉的病理性质推断。