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Artificial Intelligence-Based Classification of Multiple Gastrointestinal Diseases Using Endoscopy Videos for Clinical Diagnosis

DOI: 10.3390/jcm8070986
Journal of Clinical Medicine, 2019, 8, .

Source: <https://exaly.com/paper-pdf/72075672/citation-report.pdf>

Version: 2024-04-23

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#	Paper	IF	Citations
40	Aiding the Diagnosis of Diabetic and Hypertensive Retinopathy Using Artificial Intelligence-Based Semantic Segmentation. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	30
39	Improving Temporal Stability and Accuracy for Endoscopic Video Tissue Classification Using Recurrent Neural Networks. <i>Sensors</i> , 2020 , 20,	3.8	2
38	HyperKvasir, a comprehensive multi-class image and video dataset for gastrointestinal endoscopy. <i>Scientific Data</i> , 2020 , 7, 283	8.2	71
37	Artificial Intelligence-Based Diagnosis of Cardiac and Related Diseases. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	18
36	Deep Learning-Based Detection of Pigment Signs for Analysis and Diagnosis of Retinitis Pigmentosa. <i>Sensors</i> , 2020 , 20,	3.8	6
35	An Open-Source Computer Vision Tool for Automated Vocal Fold Tracking From Videoendoscopy. <i>Laryngoscope</i> , 2021 , 131, E219-E225	3.6	4
34	Intelligent detection endoscopic assistant: An artificial intelligence-based system for monitoring blind spots during esophagogastroduodenoscopy in real-time. <i>Digestive and Liver Disease</i> , 2021 , 53, 216-223	3.3	4
33	Residual LSTM layered CNN for classification of gastrointestinal tract diseases. <i>Journal of Biomedical Informatics</i> , 2021 , 113, 103638	10.2	15
32	Deep Learning-Based Hookworm Detection in Wireless Capsule Endoscopic Image Using AdaBoost Classifier. <i>Computers, Materials and Continua</i> , 2021 , 67, 3045-3055	3.9	1
31	Smart and intelligent energy monitoring systems: A comprehensive literature survey and future research guidelines. <i>International Journal of Energy Research</i> , 2021 , 45, 3590-3614	4.5	12
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29	A novel machine learning-based algorithm to identify and classify lesions and anatomical landmarks in colonoscopy images. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2021 , 1	5.2	6
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24	Tooth and Bone Parameters in the Assessment of the Chronological Age of Children and Adolescents Using Neural Modelling Methods. <i>Sensors</i> , 2021 , 21,	3.8	2

23	Automated Diagnosis of Various Gastrointestinal Lesions Using a Deep Learning-Based Classification and Retrieval Framework With a Large Endoscopic Database: Model Development and Validation. <i>Journal of Medical Internet Research</i> , 2020 , 22, e18563	7.6	9
22	Artificial Intelligence-based Segmentation of Nuclei in Multi-organ Histopathology Images: Model Development and Validation (Preprint).		
21	Automated Diagnosis of Various Gastrointestinal Lesions Using a Deep Learning-Based Classification and Retrieval Framework With a Large Endoscopic Database: Model Development and Validation (Preprint).		
20	Artificial Intelligence-based Segmentation of Nuclei in Multi-organ Histopathology Images: Model Development and Validation (Preprint). <i>JMIR Medical Informatics</i> ,	3.6	
19	Gastrointestinal Disease Classification in Endoscopic Images Using Attention-Guided Convolutional Neural Networks. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 11136	2.6	3
18	Deep Learning Neural Modelling as a Precise Method in the Assessment of the Chronological Age of Children and Adolescents Using Tooth and Bone Parameters.. <i>Sensors</i> , 2022 , 22,	3.8	3
17	Artificial intelligence in disease diagnosis: a systematic literature review, synthesizing framework and future research agenda.. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2022 , 1-28	3.7	12
16	Attention-based residual improved U-Net model for continuous blood pressure monitoring by using photoplethysmography signal. <i>Biomedical Signal Processing and Control</i> , 2022 , 75, 103581	4.9	1
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- 2 Artificial Intelligence Its Uses and Application in Pediatric Dentistry: A Review. **2023**, 11, 788 ○
- 1 Comparative study of convolutional neural network architectures for gastrointestinal lesions classification. 11, e14806 ○