First Portuguese Prototype for Colorectal Cancer Diagnosis using AI

Visual Computing & Machine Intelligence - VCMI

Pathologists remain one of the most important elements during the workflow for colorectal cancer diagnosis. However, their time is expensive, limited and they cannot reach underdeveloped countries. As such, we have developed the first AI algorithm, trained on 10,000 Whole Slide Images (~13 million 512x512 images) to automatically diagnose colorectal cancer samples. The deep learning algorithm has been integrated within a web prototype that allows for diagnosis correction and the visualization of the important tissue highlighted by the system.

INESCTEC

CTM
MAY OPENDAY COMMUNICATIONS
10th 2023 AND MACHINE PERCEPTION