OLYMPUS

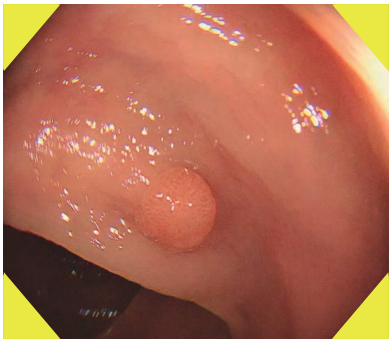
Endoscopic Image Detection and Diagnostic Support Software

EndoBRAIN

This is Where the Future of Endoscopic AI Begins

Supporting Realtime Diagnosis and Creating a New AI-Based Endoscopic Environment, EndoBRAIN Provides Total Support for Colonoscopic Examinations.

EndoBRAIN-EYE



Realtime Support for Lesion Detection

Images captured during a colonoscopic examination are analyzed in real time with AI technology. Whenever a potential lesion such as a polyp or cancer is detected, the unit immediately sounds an alert and flashes a warning color on the display.

Powerful machine learning based on endoscopic images extracted from movie data achieves colon lesion detection with 98.3% sensitivity and 93.0% specificity[*1], supporting highly accurate diagnosis.

*1: Results based on reverse performance evaluation testing.

EndoBRAIN

Realtime Support for Neoplastic/Non-Neoplastic Identification

Images captured using the Endocyto endocytoscope are analyzed using AI to determine their potential for being neoplastic or non-neoplastic. Results are displayed in numerical values.

About 100,000 Endocyto images were used to train the AI, enabling correct achieves a neoplastic/non-neoplastic identification at a rate of 96.0% with 96.9% sensitivity[*2], supporting highly accurate diagnosis.

*2: Results based on reverse performance evaluation testing (EndoBRAIN STUDY) at several hospitals in Japan.

WMP-19K-MXM

The Foundation of an AI-Based Endoscopic Environment

A touchscreen computer featuring high congruency with EndoBRAIN and endoscopic systems. This model complies with international standards for medical applications, making it ideal for use in medical environments.

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