

Endocyto



ID:
Name:

Sex: Age:
D.O.B.:

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Ex:AB Ce:0
Comment:

GIF-H290EC
Scope size: 9.7/9.6
Channel: 2.2
Serial No.

SW1: Freeze
SW2: Enhancement
SW3: Image size
SW4: Release 1
SW5: Dual FOCUS

OLYMPUS

OLY

EVIS LUCERA
DU-290

Beyond Imagination

Introducing Endocyto, Olympus has broken new ground in endoscopy.

Ultra-high magnification of up to 520x
enables observation at the microscopic level and
helps to improve diagnostic accuracy.

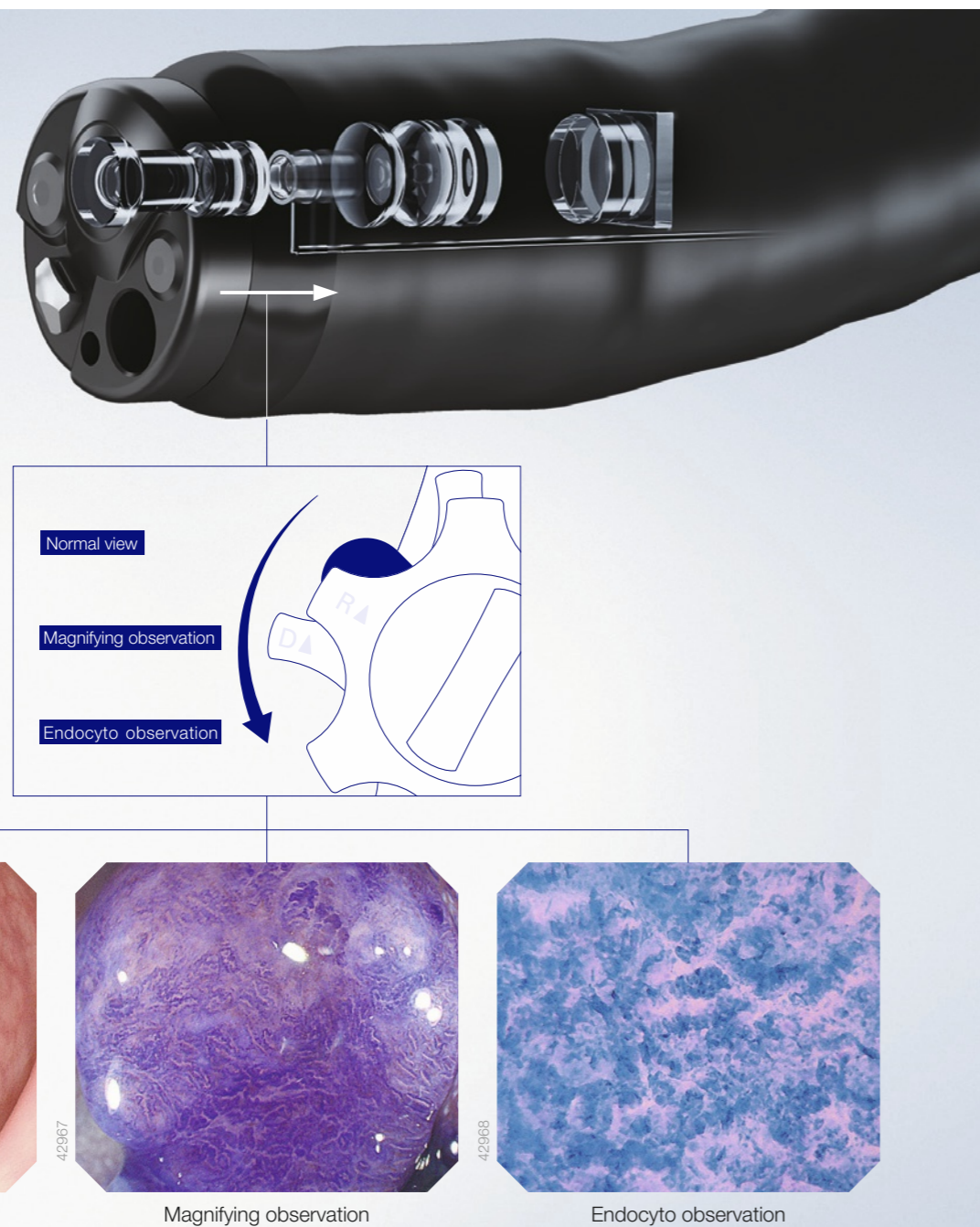
Endocyto presents a new era of diagnostic endoscopy.



Real-Time *in vivo* Observation of Cells and Nuclei Opens New Possibilities for Diagnostic Endoscopy

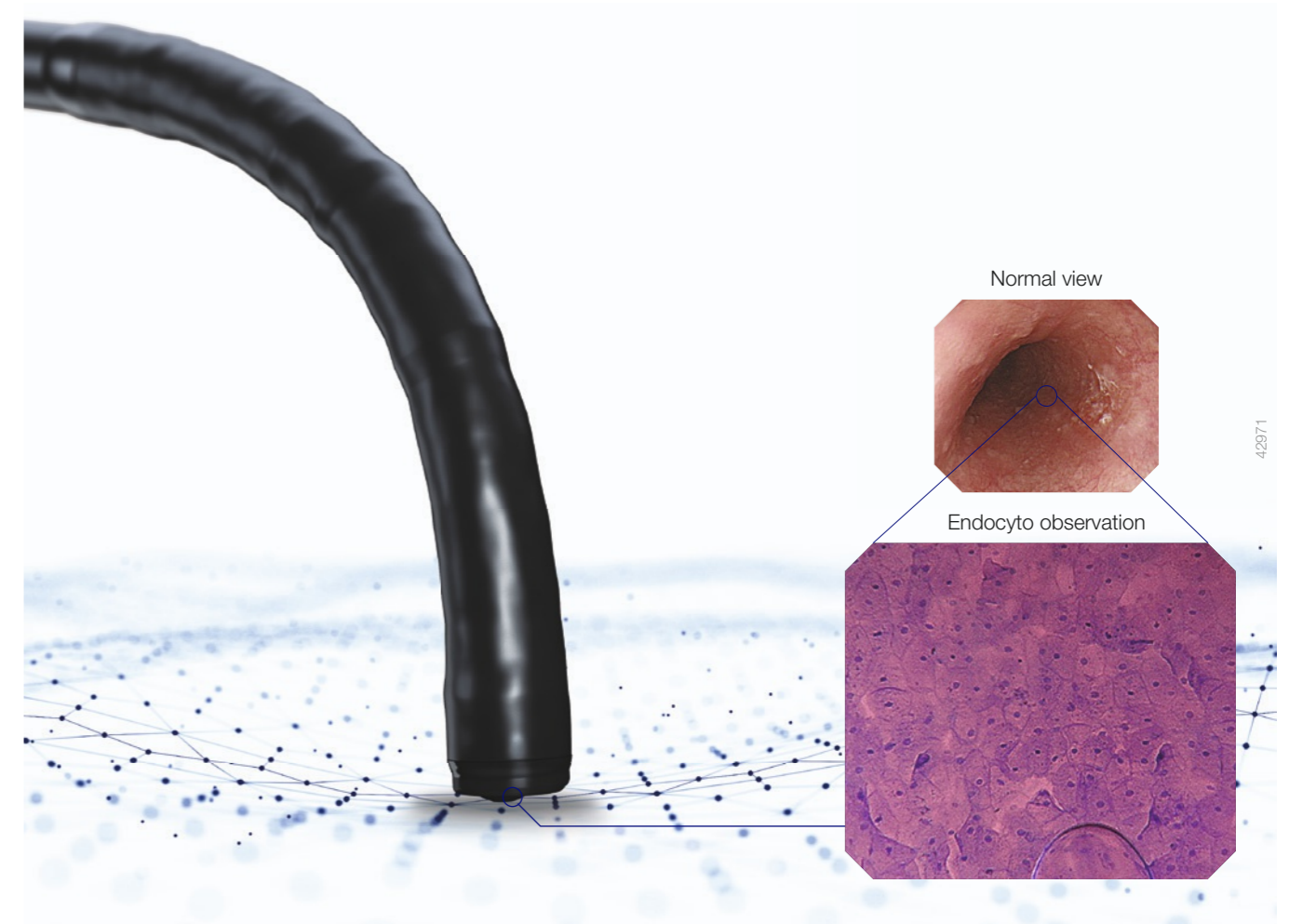
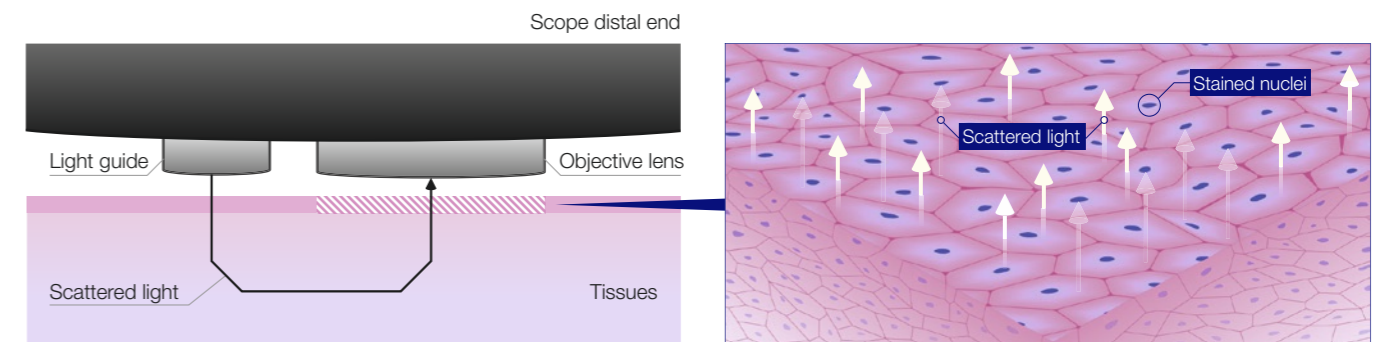
Operation of the Zoom Lever to Change Magnification Levels

Endocyto is equipped with a manual zoom mechanism resembling a conventional magnifying scope. With just a single endoscope, switching from normal view to magnifying observation and Endocyto observation is possible.



Principle of Endocyto Observation

Cell nuclei are stained with an appropriate dye. The objective lens is then brought into contact with the mucosa to observe the cells of the superficial mucosal layer. Light emitted by the light guide is sent into the cells and partially returned as scattered light, facilitating cytological observation of the superficial mucosal layer.



Endocytoscopes Feature HDTV, NBI and Endocytoscopy Observation in a Small-Diameter Endoscope

Gastroscope GIF-H290EC

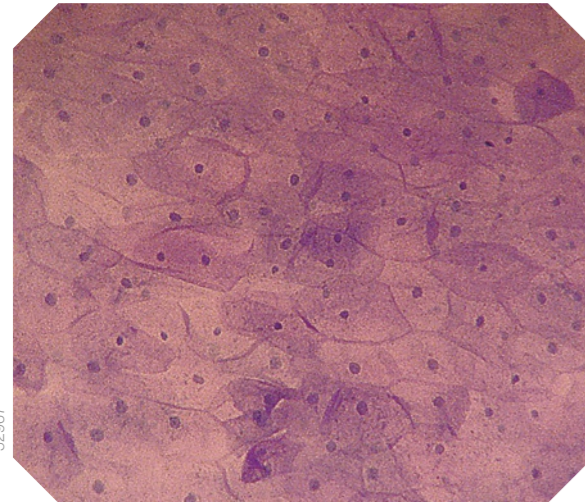


The Endocyto gastroscope incorporates a broad range of observation modalities including magnifying NBI and Endocytoscopy observation with 520x magnification for lesion assessment. Combined with a slim diameter of 9.7 mm, this versatile endoscope can be used in all different kinds of diagnostic gastroscopies from routine examinations to cutting-edge diagnosis.

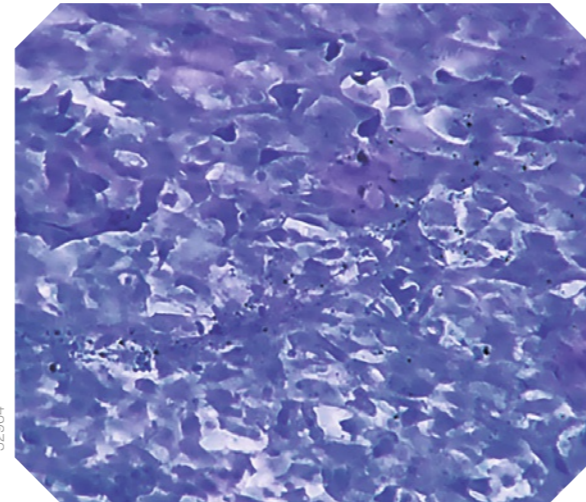
Stomach



Endocytoscopy Observation

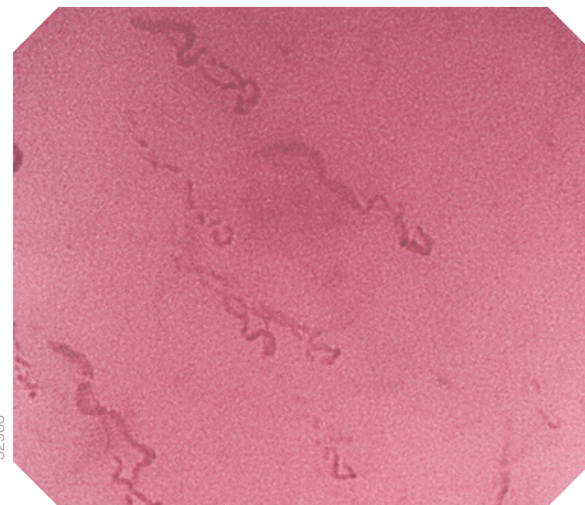


Nontumor (esophagus)

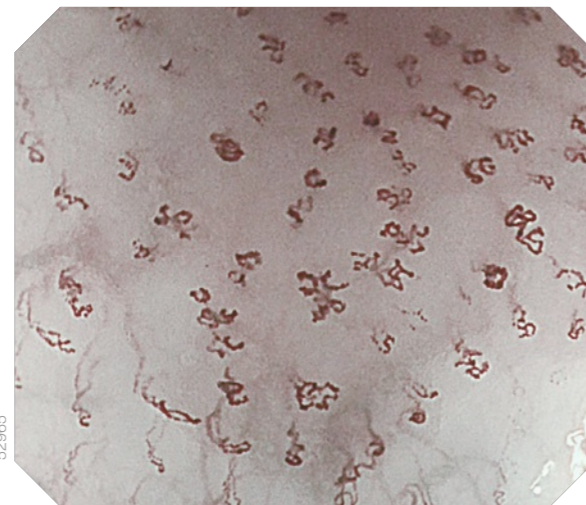


Tumor (esophagus)

Endocytoscopy-NBI Observation



Nontumor (esophagus)



Tumor (esophagus)
Intermediate zoom-focus image with high NBI contrast

Colonoscope CF-H290ECI

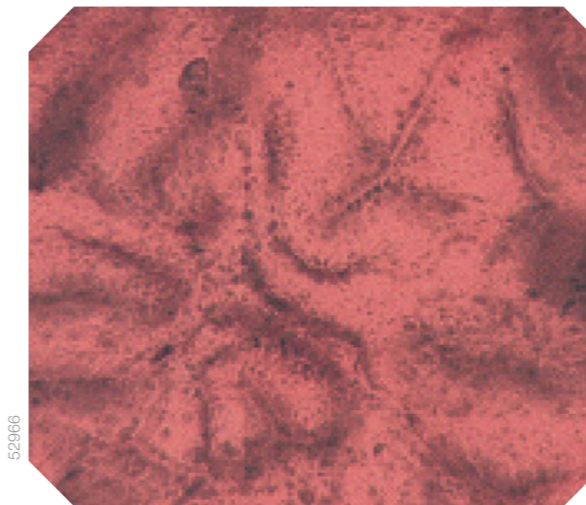


The Endocyto colonoscope combines cutting-edge observation with proven insertion technologies to support patient-friendly high-quality colonoscopy. Magnified NBI and Endocytoscopy observation with 520x magnification support precise diagnosis of colorectal lesions to streamline therapeutic intervention. High Force Transmission and Variable Stiffness facilitate smooth maneuverability in this 12.8 mm slim-caliber colonoscope.

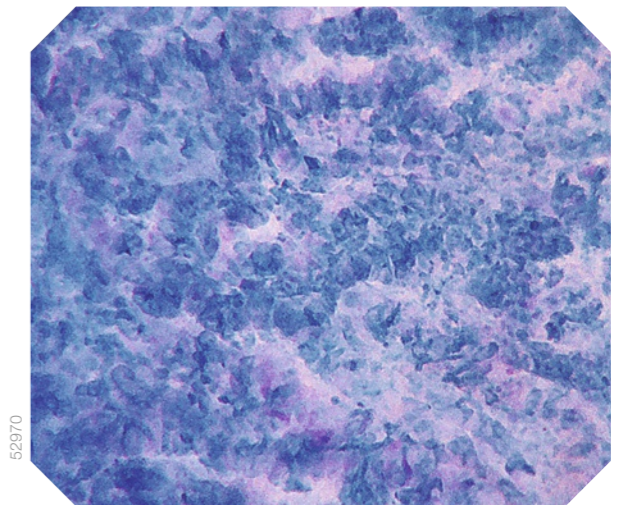
Colon



Endocytoscopy Observation



Nontumor (colon)

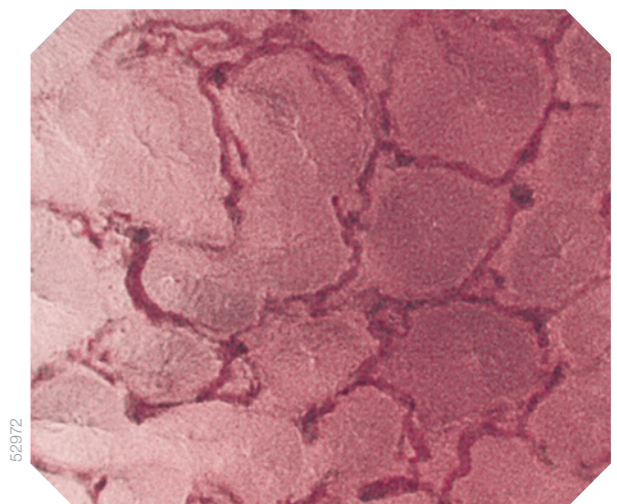


Tumor (colon)

Endocytoscopy-NBI Observation



Nontumor (colon)



Tumor (colon)

Endocyto Can be Connected to the EVIS LUCERA ELITE System

Endocyto can be used as soon as you connect it to your EVIS LUCERA ELITE system. The one-touch connector minimizes the effort required for setup prior to and in between cases and eliminates the need for a water-resistant cap and the associated risk of an expensive repair due to accidental immersion.



Specifications

	Gastrointestinal Videoscope GIF-H290EC		Colonovideoscope CF-H290ECI
Optical System	Field of view	140°	140°
	Direction of view	0° (forward viewing)	0° (forward viewing)
	Depth of field	7–100 mm	7–100 mm
	Magnification ratio	520x (In combination with OEV262H)	520x (In combination with OEV262H)
Insertion Section	Distal end outer diameter	9.7 mm	12.8 mm
	Enlarged distal end		
	Insertion tube outer diameter	9.6 mm	12.8 mm
	Working length	1,030 mm	1,330 mm
Instrument Channel	Channel inner diameter	2.2 mm	3.2 mm
	Minimum visible distance	4 mm	4 mm
	Direction from which EndoTherapy accessories enter and exit the endoscopic image		
Auxiliary Water Feeding	Direction from which the auxiliary water feed enters and exits the field of view		
Bending Section	Angulation range	Up: 210° ; Down: 90°	Up: 180° ; Down: 180°
		Right: 100° ; Left: 100°	Right: 160° ; Left: 160°
Total Length		1,350 mm	1,665 mm

The monitor images are simulations.

Endoscopic image on cover page: modified reproduction of the endoscopic images found on pp. 100-105 in Endocytoscopy by Haruhiro Inoue, "NBI/BLI/LCI Endoscopic Atlas Based on New Criteria and Classifications," edited by Hisao Tajiri, Nihon Medical Center Ltd. 2016.

Specifications, design and accessories are subject to change without any notice or obligation on the part of the manufacturer.

OLYMPUS

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