OLYMPUS

EVIS EUS

EVIS EUS Ultrasound Gastrointestinal Videoscope

GF-UE290

The Next Level in Ultrasound Endoscopy

Making A Difference in Radial EUS Scopes

Improved Maneuverability and Insertability with Enhanced Ultrasound Image Quality

As the inventor of the first 360° electronic radial scanning EUS scope, Olympus has developed the new GF-UE290. With advanced features, GF-UE290 scope is a versatile instrument that offers improved image quality, greater safety and enhanced ease of use. Olympus continues to support more efficient EUS observation and diagnosis by improving maneuverability, insertability and usability.

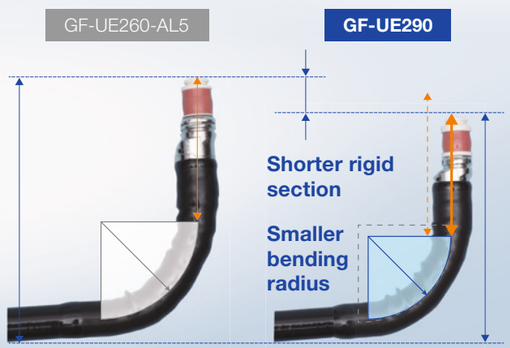
Realizes shorter distal end and slimmer scope outer diameter

Improved Maneuverability

Shorter rigid section + Smaller bending radius → Pursuit of improved maneuverability in duodenum

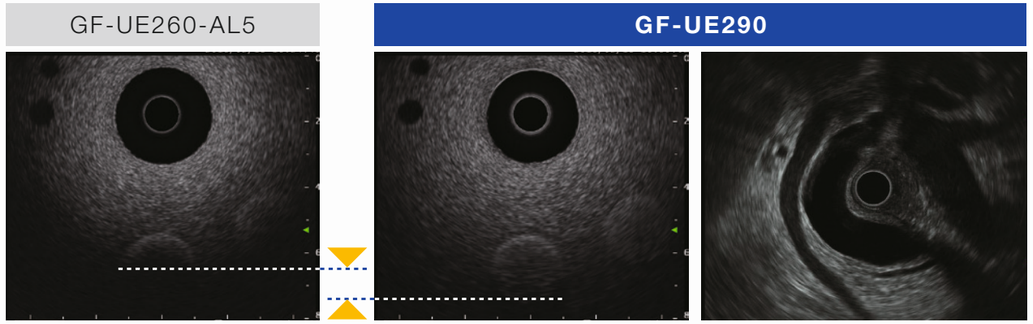
Improved Insertability

Slimmer distal end + Thinner insertion tube → Support for inserting into throat or P-ring



Improved Ultrasound Image Quality to Support EUS Observation

With its increased penetration depth and higher resolution, the GF-UE290 scope provides improved ultrasound images. The oblique endoscopic view supports pancreaticobiliary exploration and allows close examinations of small lesions.



THE-P mode, phantom image comparison

Clinical image (THE-P mode)

Easy Handling and Reprocessing

Distal End Design

D-Cut design allows easy removal of the balloon band, helping to prevent damage to the distal end. Straight balloon suction channel allows better access for reprocessing accessories.

Detachable Cable

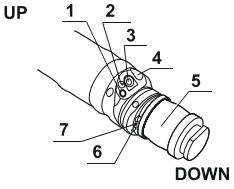
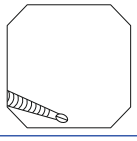
Detachable ultrasound cable (MAJ-2056) for easier handling, reprocessing and storage.

GF-UE290

EVIS EUS Endoscopic Ultrasound Center
OLYMPUS EU-ME2 PREMIER PLUS

Detachable Cable **MAJ-2056**
Cable 1,500 mm

Specifications

Endoscope Function		
Optical System	Field of view	100°
	Direction of view	Forward oblique viewing 50°
	Depth of field	3-100 mm
Insertion Section	Distal end outer diameter	ø 13.4 mm
	Distal end enlarged	 1 Light guide lens 2 Air/water nozzle 3 Objective lens 4 Instrument channel outlet 5 Ultrasound transducer 6 Balloon aspiration port 7 Balloon water feeding port
	Insertion tube outer diameter	ø 10.9 mm
	Insertion section working length	1,250 mm
Instrument Channel	Channel inner diameter	ø 2.2 mm
	Minimum visible distance[1]	5 mm
	Direction from which EndoTherapy accessories enter and exit the endoscopic image	
Airflow Rate[2]		20 cm^3/s
Bending Section	Angulation range	UP 130° DOWN 90° RIGHT 90° LEFT 90°
Total Length		1,563 mm

1 Distance from the distal end of the endoscope.
2 Standard when CLV-290 (high air pressure) is used.
3 This mode may not be available in some areas.

Ultrasound Function	
Transducer Surface Maximum Temperature	<43°C
Ultrasound Method	Electronic radial array
Ultrasound Direction	Perpendicular to the insertion direction
Frequency	5/6/7.5/10/12 MHz
Scanning Range	360°
Contact Method	Balloon method, sterile deaerated water immersion method
Ultrasound Function with EU-ME1	
Operation Mode	B mode, FLOW mode (COLOR, POWER)
Ultrasound Function with EU-ME2 Premier Plus, EU-ME2 Premier	
Operation Mode	B mode, FLOW mode (COLOR, POWER. H-FLOW), PW mode,THE mode, CH-EUS mode[3], ELST mode
Ultrasound Function with EU-ME2	
Operation Mode	B mode, FLOW mode (COLOR, POWER. H-FLOW), PW mode
Ultrasound Function with ProSound F75	
Operation Mode	B mode, M mode, D mode, FLOW mode (COLOR, POWER, eFlow), THE mode, PW mode, CH-EUS mode[3], ELST mode

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Olympus reserves the right of errors, modification and changes of the service and/or product offerings.

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