

PRACTICE OF SINGLE BALLOON ENTEROSCOPY

Japanese Enteroscope Insertion Technique Study Group

■ Introduction ■



Until only a few years ago, the small bowel region was somewhat mysterious and impenetrable, sometimes likened to a “Dark Continent” of the human body. However, as recent technological advances in endoscopy have made total enteroscopy possible, it is expected that enteroscopy will become more widely used in the future.

In consideration of this trend, we reviewed the use of Single Balloon Endoscope in total enteroscopic observation. By making the preparation and clinical procedure easier and simpler, we hope to encourage more hospitals to conduct small intestinal enteroscopic examinations. This in turn will, we believe, lead to overall improvement in diagnosis and treatment of small bowel diseases.

The purpose of this booklet is to assist physicians performing Single Balloon Endoscope for the first time by providing tips on practical insertion methods applicable to various clinical settings. Accordingly, we describe various techniques and other insights we have gained through our own clinical experience in this field that will make it easy even for beginners to understand our tips on insertion. We hope this booklet can help increase understanding of small intestinal enteroscopic insertion using the Single Balloon Endoscope and to improve diagnosis and treatment of small bowel diseases.

Note: This booklet was edited based on Japanese situation, therefore the practice should be adjusted according to each country's circumstances.

Japanese Endoscope Insertion Technique Study Group

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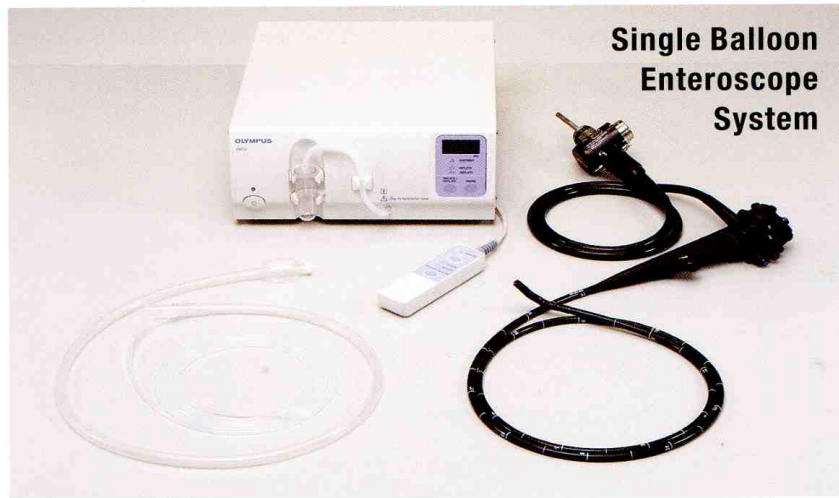
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1 Instruments



**Single Balloon
Enteroscope
System**



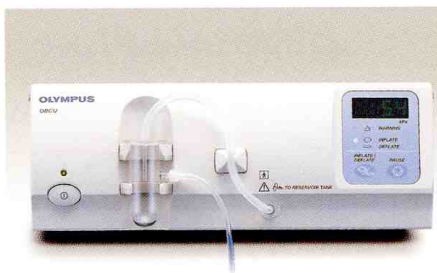
EVIS LUCERA Small Intestinal Videoscope OLYMPUS SIF Type Q260

Optical System	Field of view	140°
	Direction of view	Forward viewing
	Depth of field	5-100 mm
	Illumination method	Light guide system
Distal End	Outer diameter	9.2 mm
Insertion Tube	Outer diameter	9.2 mm
Bending Section	Angulation range	Up 180°, Down 180°, Right 160°, Left 160°
Working Length		2,000 mm
Total Length		2,345 mm
Instrument Channel	Inner diameter	2.8 mm
	Minimum visible distance	3 mm from distal end
	Endotherapy accessory entrance/exit position in field of view	8 o'clock direction



Single Use Splinting Tube ST-SB1

Insertion tube	Outer diameter	13.2 mm
	Inner diameter	11 mm
Working length		1,320 mm
Total length		1,400 mm
Material	Tube	Silicone rubber
	Balloon	Silicone rubber
Hydrophilic lubrication coating		YES



Balloon Control Unit OBCU

Power supply	100-240 V AC, 50/60 Hz
Power consumption	150 VA
Balloon setting pressure	5.4 kPa +2.6 kPa - 0.0 kPa
Dimensions (W x H x D)	374 x 151 x 486 mm (Maximum)
Weight	11 kg (Balloon Control Unit)
	0.4 kg (OBCU Remote Controller)

2 Operator Qualifications

- Ability to perform upper gastrointestinal endoscopic procedures.
- Ability to perform lower gastrointestinal endoscopic (total colonoscopic) procedures.

