OLYMPUS®

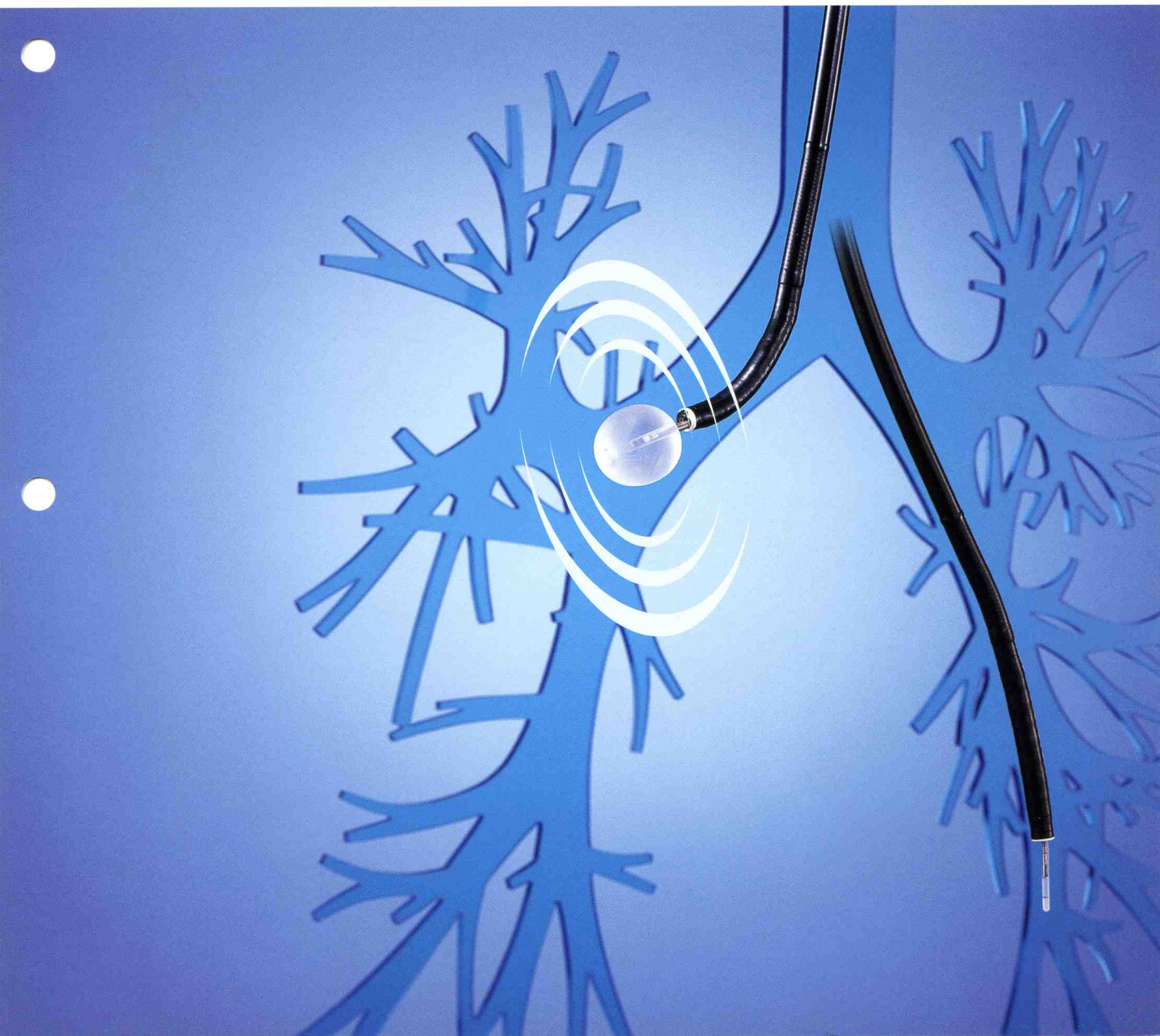
Your Vision, Our Future

EUS
ENDOSCOPIC ULTRASOUND SYSTEM

ULTRASONIC BRONCHOFIBERSCOPE

UM-BS20-26R
UM-S20-20R
UM-2R/UM-3R

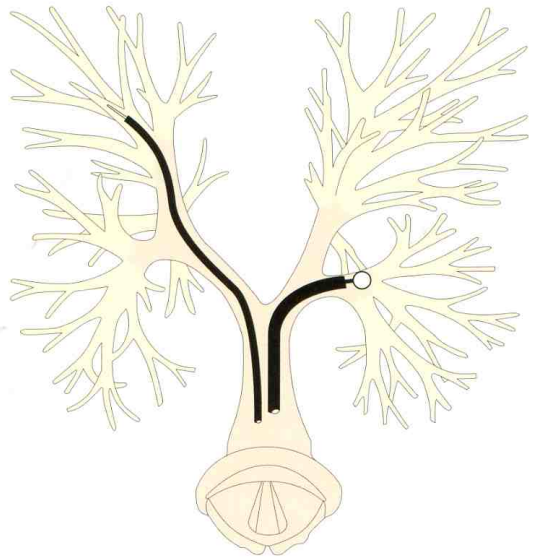
Ultrasound Imaging Brings a New Level of Efficiency to Airway Examinations



Olympus Expands the Range of Endobronchial Ultrasonography with a New Lineup of Ultrasonic Probes Compatible with 2.0mm and 2.8mm Channel Bronchoscopes

Traditional methods for observing the presence and progress of lung disease such as CT and MRI pose certain limitations. More physicians are turning to the promising technique of endobronchial ultrasonography.
By adding ultrasonic capability to a bronchoscope, this technique makes it possible to view lesions and tumors around the bronchi as well as on the luminal surfaces of the airway.
Now Olympus is making this powerful technique applicable to an even wider range of bronchial applications with a new line of ultrasonic probes; including a model that combines an ultrasonic probe and conventional balloon sheath for easier examination of the airway.

Probe Applicable Range



Central (with Balloon)

- UM-BS20-26R + Bronchoscope (Ch.ø2.8mm min.)
- UM-2R/3R + MH-246R + Rigid Scope (Ch.12Fr. min.)

Peripheral (without Balloon)

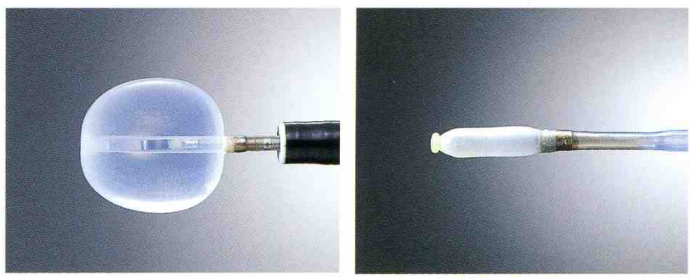
- UM-2R/3R + Bronchoscope (Ch.ø2.8mm min.)
- UM-S20-20R + Bronchoscope (Ch.ø2.0mm min.)

Main Features of the UM-BS20-26R

- Insertable into a bronchoscope with 2.8mm or larger diameter channel.
- Incorporates a balloon with a unique distal end design. Ultrasonography can be performed using the balloon method; that is, the balloon is inflated at the distal end of the probe after the probe has been inserted into the instrument channel.
- The maximum inflation diameter of the balloon is approximately 20mm. The entire circumference can be brought into contact with the bronchial wall.
- Allows you to easily perform ultrasonography during routine examinations when combined with the Endoscopic Ultrasound Center.

Note: A three-way stopcock, syringe, and extension tube are required when the balloon is inflated.

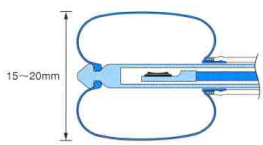
Caution: This product contains natural rubber latex which may cause allergic reactions.



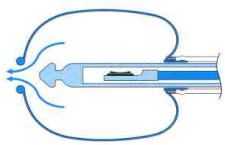
MAJ-643R (Sterile, Single use only)

Distal End Mechanism of the UM-BS20-26R

Balloon drop prevention mechanism



- After the probe is passed through the instrument channel, deaerated sterile water is injected into the balloon to facilitate ultrasonography.



- As soon as the amount of the injected sterile water exceeds the inflation limit of the balloon, the Balloon O-ring Section at the distal end is released and sterile water is discharged from the balloon.

Versatile Selection of Ultrasonic Probes

In addition to the UM-BS20-26R, the lineup includes the UM-S20-20R, UM-2R, and UM-3R. Each is specifically designed to meet the specific requirements of various endobronchial ultrasonography techniques and target sites.

Two Types of Imaging Method

Balloon method: The ultrasonic probe is brought into contact with the target site via the balloon.
(Applicable ultrasonic probe — UM-BS20-26R)

Direct contact method: The ultrasonic probe is brought directly into contact with the target site.
(Applicable probes — UM-S20-20R, UM-2R/3R)