Endoscopic ultrasonography — setting a new standard in mediastinal diagnostics.
THE INNOVATIVE ENDOSCOPE WITH SUPERIOR ULTRASOUND IMAGING FOR EBUS-TBNA

Compatible with Olympus’ universal endoscopic ultrasound centre EU-ME1 as well as Hitachi Aloka’s ProSound a5, a7 and a10, this new EBUS-TBNA system offers the application of advanced ultrasound features to clearly visualise the dedicated echogenic aspiration needles. With the introduction of the second generation EBUS-TBNA system, Olympus is making an important contribution to improve diagnostics in lung cancer.

**Wide 2.2 mm diameter channel and innovative detachable ultrasound cable**

**Features**

- Channel diameter enlarged to 2.2 mm for compatibility with 21G and 22G EBUS-TBNA needle.
- Detachable cable concept allows connection of this new scope with Hitachi Aloka’s ProSound a5, a7 and a10, Olympus’ EU-ME1 or EU-C60.
- Increased ultrasound scanning area and higher sensitivity Doppler functions available.
- Detachable cable facilitates easier placement into automatic endoscope reprocessors.
- Innovative ‘hybrid’ design combines video and fibre-optic technologies in a single scope, offering the same functionality as videoscopes yet with a slim insertion tube diameter of 6.3mm*, even with an incorporated ultrasound transducer.

*Distal tip diameter measures 6.9 mm
NOW A CHOICE OF THREE HIGH-PERFORMANCE ULTRASOUND PROCESSORS

Hitachi Aloka diagnostic ultrasound system
**ProSound α10**
- eFLOW
- Tissue Harmonic Echo (THE)
- 4 ultrasound frequencies
- Colour Doppler, Power Doppler and Spectral Doppler
- Dual Dynamic Display
- Compatible with extra-corporal probes
- DICOM compatible digital data output

Hitachi Aloka diagnostic ultrasound system
**ProSound α7**
- eFLOW
- Tissue Harmonic Echo (THE)
- 4 ultrasound frequencies
- Colour Doppler, Power Doppler and Spectral Doppler
- Dual Dynamic Display
- Compatible with extra-corporal probes
- DICOM compatible digital data output

Olympus universal endoscopic ultrasound center
**EU-ME1**
- 5 ultrasound frequencies
- Colour and Power Doppler in normal and high resolution flow mode
- Compatible with radial ultrasound miniature probes
- One keyboard to control ultrasound and endoscopic functions
- Built-in picture-in-picture function
- Digital data output
- Compact design to fit in your endoscopy tower

**Single use aspiration needle ViziShot:** Echogenic dimpled needle tip for improved visibility on ultrasound images

**Features**
- Specifically designed for use with EBUS-TBNA scopes
- 21-gauge and 22-gauge outer diameter
- Adjustable needle length
- Pre-sterilized and single-use
FURTHER INFORMATION

E0429587
Training software
Light and sound in bronchoscopy

E0429665
Training software
Endoscopic ultrasound in lung cancer

ED429849
Laminated A4 reference chart
N-staging (IASLC 7th edition)

E0429934
Poster
N-staging nomenclature
IASLC (7th edition)

iPad and Android applet
Staging Matrix (IASLC 7th edition)
Compatible with iPad and Android tablet PC. Not compatible with smartphones.

Scan the QR code with your tablet to download the app!
CLINICAL CASES

Enlarged paratracheal lymph node. Power flow-mode confirms a vessel in close vicinity to the lymph node.

A patient suspected of having mediastinal lymphoma was referred for EBUS-TBNA and diagnosed as sarcoidosis.

Dual Dynamic Display (DDD) of Hitachi Aloka ProSound a7 allows real-time observation of needle insertion and blood flow simultaneously.
Specifications

**Endoscopic functions**

- **Model**: BF-UC180F
- **Optical system**
  - Field of view: 80 degree
  - Direction of view: 35 degree forward oblique
  - Depth of field: 2 to 50 mm
- **Insertion tube**
  - Distal end outer diameter: 6.9 mm
  - Insertion tube outer diameter: 6.3 mm
  - Working length: 600 mm
- **Instrument channel**
  - Channel inner diameter: 2.2 mm
  - Direction from which EndoTherapy accessories enter and exit the endoscopic image
- **Bending section**
  - Angulation range: UP 120, DOWN 90
  - Total length: 890 mm

**Ultrasonic functions**

- **Ultrasonic cable**: MAJ-1597 (1,500 mm)
- **Display mode**: B-mode, M-mode, D-mode, flow-mode, powerflow-mode, eFLOW
- **Scanning method**: Electronic curved linear array
- **Scanning direction**: Parallel to the insertion direction
- **Frequency**: 5.00M, 7.50M, 10.00M, 12.00M / 5.00M / 5.00MHz / 6.67MHz / 8.00MHz
- **Tissue Harmonic Echo (THE)**
  - 5.00MP / 5.00MS / 6.67MR / 8.00MHz
  - 4.44MP / 5.00MS / 6.67MR / 8.00MHz
- **extended Pure Harmonic Detection (exPHD)**
  - 5.00MP / 6.00MS / 6.70MR / 7.50MHz
  - 4.44MP / 5.00MS / 6.67MR / 8.00MHz
- **Scanning range**: 60 degree
- **Focusing Point**: A maximum of 4 focusing points are available
- **Contacting method**: Balloon method, direct contacting method

**NA-201SX-4022 and NA-201SX-4021 Specifications**

<table>
<thead>
<tr>
<th>Model</th>
<th>NA-201SX-4022</th>
<th>NA-201SX-4021</th>
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</thead>
<tbody>
<tr>
<td>Maximum insertion portion diameter</td>
<td>1.8 mm</td>
<td>1.9 mm</td>
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<tr>
<td>Working length</td>
<td>700 mm</td>
<td>700 mm</td>
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<tr>
<td>Needle width</td>
<td>22 G</td>
<td>21 G</td>
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<tr>
<td>Needle length</td>
<td>40 mm</td>
<td>40 mm</td>
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</table>

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