Innovative EUS for a new era of excellence
Enter a new era of excellence with EUS EXERA - The revolutionary new endoscopic ultrasonography system from Olympus whose leading-edge features, high-quality ultrasound images, crystal-clear video images, and advanced scope design are setting tomorrow's standards today.

Compact mobile unit takes up less space in your endoscopy suite
In the size and shape of a standard keyboard, the simple EU-C60 features a full set of easy-to-access keys on its top panel and includes a built-in trackball. Weighing less than 6.5 kg with a foot switch unit and AC adapter included, the EU-C60 is only 313 mm wide and has just 93 mm high. As a result, it takes up minimal space in your endoscopy suite and can easily be moved wherever it's needed.

Advanced ultrasound imaging capability makes fine-needle aspiration easier
Notwithstanding its simple design, the EU-C60 has all the advanced ultrasound imaging features you need for maximum accuracy and efficiency. These include highly sensitive Color Power Doppler for easier recognition of blood flow, even through the smallest vessels at the touch of a single key, and a wider scanning 150° angle for comprehensive observation of adjacent organs. These capabilities can provide you with the information supporting FNA procedures.

Streamlined design improves operability and enhances efficiency
The EU-C60's streamlined top panel features an intuitive, ergonomic layout that takes little time to learn. You can easily fine-tune image adjustments without complex operations. The Cine Image and Store Image modes are memory functions available for effective management of examination data.

System versatility with enhanced flexibility as part of your expanded system
If you already use Olympus mechanical radial scanning systems, you can incorporate the EU-C60 and/or endoscopy. This means an EUS radial, EUS convex (CLA) and video endoscopy system can all be configured on a single cart with a single monitor, giving you increased flexibility in EUS including fine-needle aspiration and endoscopy.
Clear, Accurate EUS EXERA Visualization

Aspiration Needle

**NA-10J-1**

Excellent Targeting Capability, Outstanding Tip Visibility and Unique Adjustable Sheath

**Features**

- Built for use with all the Olympus ultrasonic scopes designed for EUS-guided FNA, the NA-10J-1 allows for accurate manual aspiration.
- Handle mounts onto the ultrasonic endoscope’s channel port for added stability.
- An adjustable-length sheath guides the needle to the target area and provides support during puncture, minimizing the need to reposition the endoscope.
- Excellent needle tip visibility, due to a highly echogenic dimpled tip design.
- Sheath and handle are autoclavable for quick, easy sterilization.
- Needle and stylet are single-use disposable and packaged sterile.
Scanning method and display modes
The EU-C60 is a completely digital system providing B-mode, Color Power Doppler mode to choose from.

Image quality and display direction selection
Image quality can be adjusted in eight steps. Images can be zoomed in and out and can also be inverted and reversed.

Measurement functions
The EU-C60 offers a variety of measurement functions. The Distance mode measures a distance defined by the "+" and "x" calipers. The Area/Circumference mode measures the area and its circumference enclosed by the caliper tracing. Obstetrics Calculations mode measures fetal age, estimated delivery date, and estimated fetal weight. Various extracorporeal probes are also available improving the versatility of the EU-C60 to include such applications as transabdominal imaging.

Image adjustment functions
Three gain settings - GAIN, NEAR GAIN, and FAR GAIN - are available. The OPTIMIZE function allows the B-mode and Color Power Doppler images to be adjusted in three steps: PEN (penetration), RES (resolution), and GEN (general).

Memory functions
The Store Image mode allows for storage of as many as 120 images in the built-in RAM. The Cine Image mode provides you with a series of sequential several images taken just before FREEZE is active, so that you will not miss the exact image requested.
Incorporating Ultra-Compact Transducers and High-Resolution CCDs, Our EUS EXERA Gastrovideoscopes Achieve Outstanding Insertion Capability and Superior Image Quality

**Major Applications**

- Assistance in the staging and tissue acquisition of malignant disease:
  Gastrointestinal tract cancer including esophageal pancreatic, gastric, colo-rectal and lung cancer through mediastinal nodal involvement

- Assessment of Benign Disease:
  Such as chronic pancreatitis, choledocholithiasis (common bile duct stones), gall stones

- Interventional applications:
  Celiac plexus block, or neurolysis, and pseudocyst drainage

**EUS EXERA ULTRASONIC GASTROVIDEOSCOPE**

*GF TYPE UC160P-OL5 / GF TYPE UCT160-OL5*

**Features**

- Ultra-compact transducer incorporated into the distal end has a 5 mm radius of curvature, offering outstanding maneuverability inside the upper digestive tract.

- High-resolution CCD delivers crystal-clear, true-to-life video endoscopic images to accurately visualize the region of interest and the tract the FNA needle will take.

- Convex scanning allows for various imaging features including B-mode and advanced Color Power Doppler mode which facilitates the detection of blood vessels.

- Wide 150° scanning angle ensures comprehensive imaging of all structures surrounding the region of interest.

- GF-UC160P-OL5 is equipped with a slim 11.8 mm insertion tube diameter and ample 2.8 mm channel diameter for FNA with a 22G needle.

- GF-UCT160-OL5 incorporates an exceptionally large 3.7 mm diameter channel for FNA using a 22G or larger needle. Also suitable for pancreatic cyst drainage under fluoroscopic imaging guidance.
EU-C60 Specifications

Power Supply
- Voltage: 120VAC / 240VAC
- Input current: 0.6A

Size
- Dimensions (main unit): 313 mm (W) × 220 mm (D) × 93 mm (H)
- Weight (main unit): 2.4 kg

Classification
- Type of protection: Class I
- Degree of protection against electric shock of applied part: TYPE BF applied part
- Where no classification mark appears, the device is a TYPE BF applied part.

EMC Compliance
- Class I
- IEC60601-1-2
- CISPR11 Group1, Class A

Type BF Applied Part
- The instrument can safely be applied to any part of the body except the heart.

Monitor Observation
- Display mode: B-Mode, Color Power Doppler Mode
- Display polarity: Positive display only
- Convex, Linear
- Display range: 2 - 24 cm

Signal Processing
- Beam forming: Digital beamformer
- STC: Near, Far
- Phased array: STC

Measurement
- Distance: Measures distance defined by the "*" and "*" calipers.
- Area / circumference: Measures area / circumference enclosed by caliper tracing.
- Volume calculation: Calculates volume by three sets of distance measurement.
- OB calculation: Fetal age, estimated delivery date, estimated fetal weight
- Cardiac calculation: Ejection fraction, cardiac output

Display
- Calculator: Displays date and time
- Display setting: Displays optimize setting
- Display characters: Alphanumeric and symbols

Ancillary Equipment
- Photographing and recording units: Video printer (color / monochrome), VTR
- Remote controller: Foot switch
- Other: Current image selection

Other
- The monitor display can be switched between external input image and ultrasonic image.

GF-UC160P-OL5 / GF-UCT160-OL5 Specifications

<table>
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<tr>
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<th>Direction of view</th>
<th>Depth of field</th>
<th>Distal and outer diameter</th>
<th>Insertion tube outer diameter</th>
<th>Working length</th>
<th>Channel inner diameter</th>
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<td>GF-UC160P-OL5</td>
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<td>3 to 100 mm</td>
<td>014.2 mm</td>
<td>011.6 mm</td>
<td>1250 mm</td>
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</tbody>
</table>

Ultrasonic Functions
- Display Mode: B-mode, Color Power Doppler mode
- Scanning Method: Curved linear array
- Scanning Direction: Parallel to the insertion direction
- Frequency: 7.5 MHz
- Scanning Range: 15°
- Contacting Method: Balloon method, Stellite de-crawler immersion method

NA-10J-1 Specifications

Maximum insertion portion diameter: ø2.35 mm
Working length: 1450 mm
Needle width: 22 G
Needle length: 95 mm

Other
- The monitor display can be switched between internal input image and ultrasonic image.

Any product in our brochures that features this is part of the lineup of Olympus fine-needle aspiration biopsy products.

FOCUS ON LIFE

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