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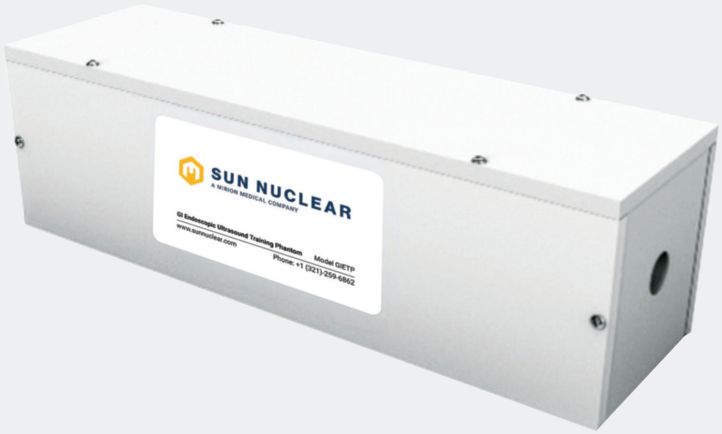
GI Endoscopic Ultrasound Training Phantom

ATS GIETP



- Enables skill development and demonstration of endoscopic ultrasound applications
- Supports testing and demonstration of new devices
- Provides a low-stress educational environment for hands-on training without needing live patients

The GI Endoscopic Ultrasound Training Phantom supports the development of core competencies in endoscopic ultrasound (EUS)-guided diagnostic and interventional procedures. It enables users to advance and manipulate a flexible echoendoscope through a tissue-mimicking luminal channel, perform EUS-guided fine needle aspiration or biopsy procedures on target lesions, and identify and characterize simulated structures.

Multiple spherical target lesions are embedded within a soft, rubber-based tissue-mimicking material. The number, spatial distribution, and echogenic contrast of the lesions vary to provide progressive training scenarios in lesion localization and needle targeting.

The phantom is semi-disposable because each needle pass creates a tract within the material. With repeated, localized punctures, accumulated needle tracks may reduce image quality and usable lifespan.

Key Benefits

- Supports teaching, training, and clinical competency assessment in a non-stressful environment
- Enables realistic target identification and intervention practice using a tissue-mimicking channel and lesions
- Cleaning is simple using warm tap water or alcohol. Covering both ends of the phantom during transport or storage supports phantom longevity

Specifications

Dimensions	40 x 10 x 10 cm (15.75" x 4" x 4")
Weight	5.9 kg (13 lbs)
Materials	Urethane elastomer PVC plastic housing
Scan Channel Diameter	25 mm (1")
Echogenic and Anechoic Lesions	Diameter: 10 and 20 mm Pattern: 360° about the scan channel

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