

OLYMPUS[®]

Your Vision, Our Future

OLYMPUS

Endo**Therapy**
BEYOND THE SCOPE

**Expanded Line of Transbronchial Aspiration Needles
Provides Comprehensive Scope Compatibility,
Exceptional Puncture Performance, and Improved Operability**

Single Use Aspiration Needle

Smooth Shot



Improved handle design and puncture performance can improve operability, safety and TBNA procedures

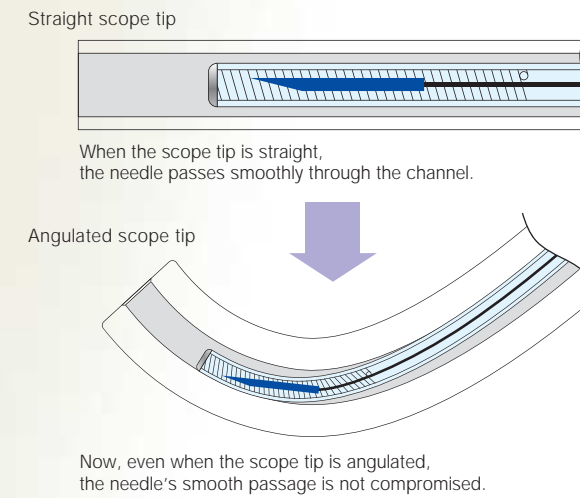


Olympus SmoothShot needles have been optimized to enable pulmonologists to perform TBNA procedures as smoothly as possible. The sophisticated design both reduces damage inside the scope channel while ensuring the smoothest possible passage of the needle through the channel. Outstanding puncture performance and a redesigned handle further enhance operability, while greater versatility is provided by an expanded lineup of needles that can meet your surgical needs.



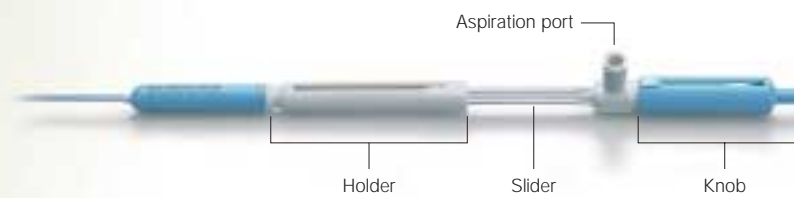
Full compatibility with endoscopes

Carefully designed to minimize the risk of damaging the endoscope, the SmoothShot's needle tip never extends from the sheath while it is being moved forward or backward in the endoscope channel. As a result of the short rigid section at the sheath tip, the needle moves smoothly even when the scope tip is angulated.



Improved handle design

The NA-601D-1519 features an ergonomic new handle design that makes it easier to use. Now punctures can be executed more easily and reliably, making TBNA procedures smoother.



Exceptional puncture performance

In order to quickly and efficiently obtain tissue, our SmoothShot needles offer excellent puncture performance for transbronchial biopsies.

Unique side-hole design

NA-411D models are provided with a hole on the side of the needle shaft to draw specimens from tissues in contact with the side of the needle, as well as those at the tip.



NA-401D without side-hole

NA-411D with side-hole

Integrated needle and sheath

The needle and sheath are integrated for easy handling. For added convenience, all SmoothShot needles are single-use only and are disposed of after use.



Puncture procedure — operation is a breeze

- To extend the outer needle from the sheath, push the slider slowly along the holder until it clicks into position.
- To extend the inner needle from the outer needle, push the knob slowly along the slider until it clicks into position.
- After depressing the syringe's plunger completely, attach the syringe to the aspiration port and pierce the target tissue with the needle.
- Pull the knob gently to retract the inner needle.
- After aspirating the tissue or cell sample by drawing the syringe's plunger, detach the syringe from the aspiration port and withdraw the needle from the target tissue by holding the sheath.
- Pull the slider to retract the outer needle into the sheath.

Specifications

	NA-401D-1321	NA-401D-1521	NA-411D-1321	NA-411D-1521	NA-601D-1519
Working Length	1150 mm				
Endoscope	BF (exclude UC160F,UC260F)				
Channel Diameter	ø2.0 mm				
Maximum Insertion Portion Diameter	ø1.95 mm				
Needle Outer Diameter	21G				Inner needle: 21G Outer needle: 19G
Needle Length	13 mm	15 mm	13 mm	15 mm	Total needle length: 18 mm Outer needle length: 15 mm
Side-hole	Without side-hole		With side-hole		Without side-hole
Description	Single Use				

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

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