

# PRECISION-GI™ EUS-FNB

Precise control. Predictable quality. Shorter procedures.




**LIMACO**  
MEDICAL

# THE CHALLENGES ASSOCIATED WITH CURRENTLY AVAILABLE EUS-FNB DEVICES

Conventional fine needle biopsy (FNB) represents the traditional standard of endoscopic biopsy devices; however, the limitations of current biopsy needles leave endoscopists looking for better alternatives.

 **LOW STANDARDIZATION**  
results in variable diagnostic yield

 **FRAGMENTED, BLOODY, AND INCONSISTENT SAMPLE QUALITY**  
results in higher rates of nondiagnostic biopsy, inadequate tissue for testing, or suboptimal tissue for histology

 **TIME-CONSUMING TISSUE CAPTURE AND COLLECTION PROCESS**  
requires multiple passes through the endoscope and dozens of stabs

## In precision medicine, 'indeterminant' is unacceptable

Matching each patient to the best available treatment offers the opportunity to reach new standards of care in cancer therapy. The testing to identify each patient's unique genetic profile requires **better-quality** and **higher-quantity** biopsy specimens than is frequently offered by the current standard of care.



### The importance of sample quality

For busy cancer centers and patients anxiously waiting for a possible diagnosis of GI cancer, time is of the essence. Obtaining a definitive diagnosis is critical to getting patients the treatment they need.

When a nondiagnostic biopsy fails to provide answers, patients are put under the additional stress of scheduling and undergoing additional procedures—while also shouldering the mental burden of an unknown diagnosis—and practices must divert valuable time and resources to performing repeat procedures.

# DISCOVER THE HIGHER STANDARD IN ENDOSCOPIC BIOPSY

With a familiar technique that requires minimal training, PRECISION-GI™'s motorized core biopsy mechanism allows endoscopists to collect more high-quality tissue with less blood using fewer needle stabs to achieve a definitive diagnosis for histological and molecular profiling.

 **FAMILIAR CONTROLS WITH ADVANCED PRECISION**  
for consistent results across skill and experience levels

 **SUPERIOR VOLUME AND QUALITY OF TISSUE**  
as needed for histopathologic and molecular analysis



Extract large-quantity, high-quality samples in one pass

 **REDUCED PROCEDURE TIME**  
with faster, more efficient biopsy yields



**PRECISION-GI's activations are less than 1/10 of the stabs used with manual needles<sup>1</sup>**

# CLINICAL COMPARISON DEMONSTRATES SUPERIOR EFFICIENCY WITH PRECISION-GI VS STANDARD OF CARE

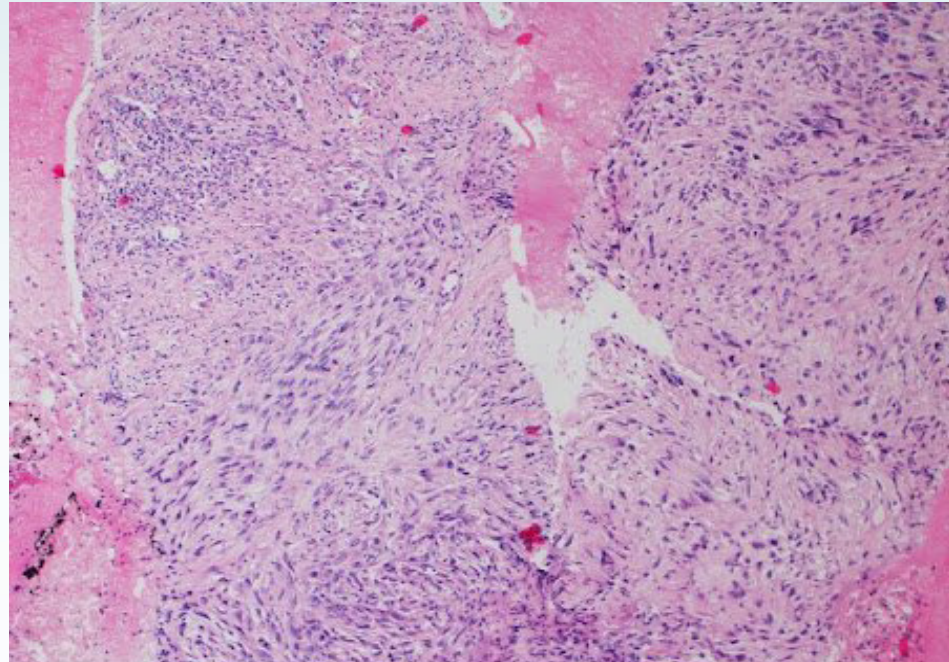
When compared to a standard FNB needle, the PRECISION-GI procedure took less time, required significantly fewer throws, and provided tissue samples of superior or equivalent histologic scores.

### PRECISION-GI vs Endoscopic Ultrasound (EUS) Fine Needle Biopsy

N=9	PRECISION-GI EUS Biopsy (Automated)	EUS Fine Needle Biopsy (Manual)
Sampling Time (Minutes)	3.87 (p=0.001)	5.64
Total Procedure Average Throws/Activations	5 (p=0.00002)	55
Histology Scores Average (Scale of 1-5; 5 being the best)	4.6 (p=0.002)	3.2

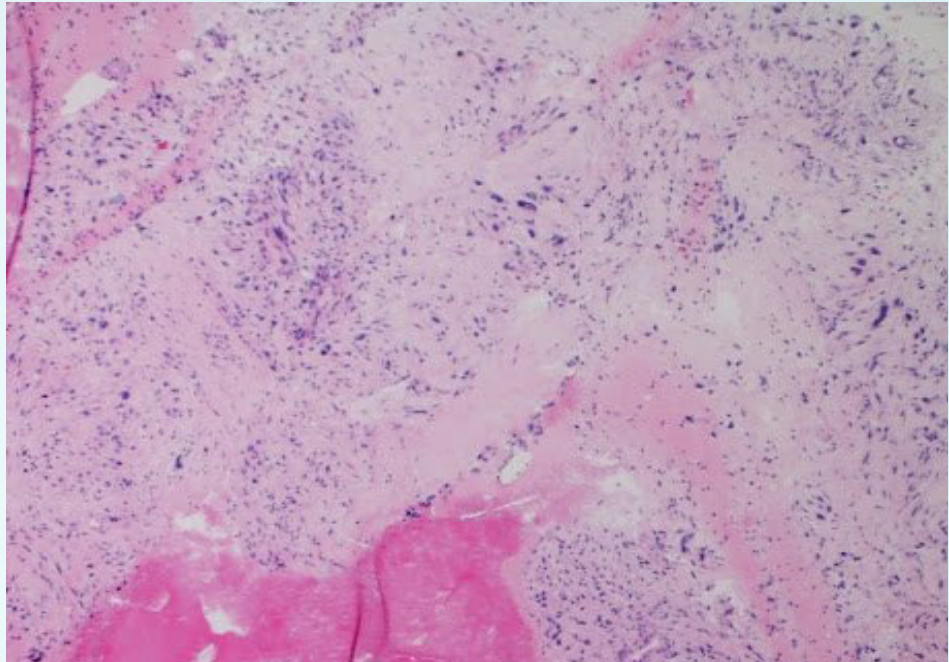
### VISIBLY IMPROVED SAMPLE QUALITY

PRECISION-GI



Intact, voluminous, well-preserved tissue samples

Manual FNB



Fragmented tissue, detached epithelial strips, with admixed blood

### KEY TAKEAWAYS

- 1 Preliminary outcomes of this first series of comparative cases demonstrate increased procedural efficiency when compared to conventional FNB.<sup>1</sup>
- 2 Comparing sample quality, histology scores, and total number of throws, the PRECISION-GI EUS-FNB demonstrates significantly better results than standard needles.
- 3 PRECISION-GI provides visibly improved sample quality when compared to manual FNB, delivering tissue samples that are intact, voluminous, and well-preserved.

# YOU CONTROL. PRECISION-GI DELIVERS.

It's time to put the power of PRECISION-GI in your hands. Watch the videos below to see how the system extracts more tissue in a single automated pass. Then, schedule a demo to experience the new standard of controlled tissue capture for yourself.

[▶ WATCH DEMO VIDEO](#)

[▶ WATCH PROCEDURE VIDEO](#)



# EMBRACE THE NEW STANDARD IN EUS-FNB

At Limaca Medical, we are committed to applying our technology to make a significant impact on EUS-FNB tissue acquisition quality and yield for the diagnosis of pancreatic and other GI malignancies.

 **ADVANCED PRECISION**  
for maximum procedural standardization

 **SUPERIOR VOLUME AND QUALITY**  
to obtain a definitive diagnosis earlier

 **REDUCED PROCEDURE TIME**  
to preserve valuable time, resources, and cost



Learn more about how PRECISION-GI is advancing the EUS-FNB platform.

**REQUEST A LIVE PRODUCT DEMO TODAY.**

**Reference: 1.** Dornblaser DW, Khamaysi I, Gross SA. Pilot study comparing a novel EUS-guided motorized biopsy needle technique with traditional sampling. *iGIE*. 2023;2(2):126-130. doi:10.1016/j.igie.2023.03.005

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