



EndoCore Flexible Core Biopsy Needle for Endoscopic Ultrasound (EUS)

EndoCore's proprietary technology brings TruCut's unmatched coring ability to flexible applications such as EUS

Objective

Licensing opportunities or industry partner to fund development builds and testing.

Research and IP Status

Patented

Proprietary IP includes enabling technology for flexible TruCut as well as needle stick prevention feature for a TruCut handle.

Patents

European Patent Application no. 178832069.3
PCT/EP217/084243



Background

Existing EUS sampling needles are designed to suction cytologic material only. However, recent medical advances have driven the need to acquire solid biopsy cores with preserved tissue architecture for histologic analysis. Needles that have been developed to address this need typically yield small biopsy fragments or macerated tissue of limited histological value. The ability to consistently acquire a solid-core biopsy sample provides clinicians with increased diagnostic accuracy, improves patient outcomes and reduces procedural time and risk.

Tech Overview

The EndoCore device leverages existing 'TruCut' biopsy technology – the proven Gold Standard for percutaneous core biopsy – to consistently obtain a continuous core of solid tissue by stabilising and supporting the tissue prior to it being severed for retrieval. TruCut mechanisms are inherently rigid, but EndoCore's proprietary technology brings its unmatched coring ability to flexible applications such as EUS.

Applications

- Endoscopic Ultrasound (EUS)
- Endobronchial Ultrasound (EBUS)
- Biopsy procedures requiring flexible sample acquisition

Benefits

- Consistently reliable acquisition of a contiguous tissue core
- Intuitive, easy to use technology based on the proven gold standard for percutaneous core biopsy
- Highly flexible device capable of biopsying core samples from the head of the pancreas and other highly tortuous anatomies

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