

Barrett's Esophagus Surveillance

Guiding Disease Characterization

Problem statement

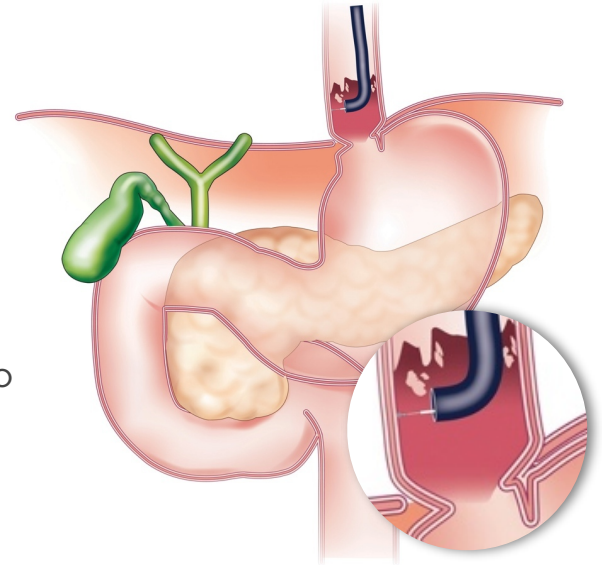
- Esophageal adenocarcinoma is one of the fastest growing cancers worldwide
- Barrett's Esophagus is the only known precursor to esophageal adenocarcinoma

Current solution and limitations

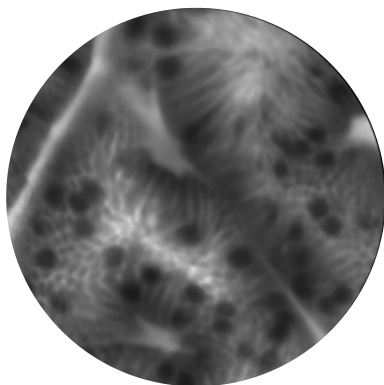
Systematic biopsy sampling is intended to detect malignant changes, however:

- Adherence to guidelines is very limited leading to inefficient cancer detection¹
- Treatment can be delayed until next endoscopy procedure
- Repeat biopsies can alter treatment (fibrosis)

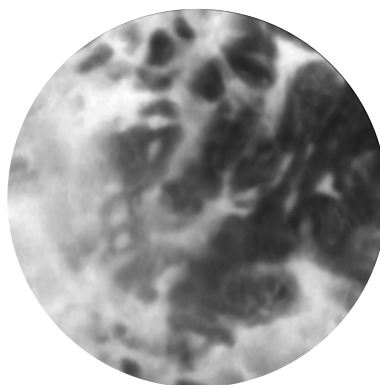
Cellvizio®



Cellvizio images²

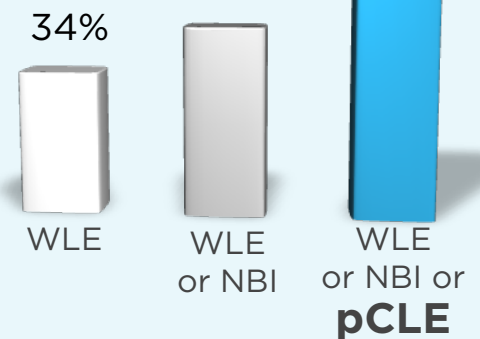


non dysplastic
Barrett's Esophagus



dysplastic
Barrett's Esophagus

Sensitivity for Dysplastic Lesion Detection ²



Cellvizio advantages

Clinical studies have demonstrated that Cellvizio can facilitate ^{2,3}

- **Comprehensive disease characterization**
- **Smarter, more efficient surveillance**
- **Immediate response and real-time treatment**
- **Decision-making in ruling out “on the spot”**

Cellvizio®

Designed to combine the most advanced imaging technology with ergonomics for ease of use and patient comfort.

Better patient care is our aim



References

1. Abrams J. et al., Adherence to Biopsy Guidelines for Barrett's Esophagus Surveillance in the Community Setting in the United States, Clinical Gastroenterology and Hepatology, 2009.
2. Sharma P. et al., Real-time Increased Detection of Neoplastic Tissue in Barrett's Esophagus with probe-based Confocal Laser Endomicroscopy: Final Results of a Multi-center Prospective International Randomized Controlled Trial. Gastrointest Endosc, 2011
3. Pohl H et al., Miniprobe Confocal Laser Microscopy for the Detection of Invisible Neoplasia in Patients with Barrett's Oesophagus. Gut, 2008.

The Cellvizio System with Confocal Miniprobes is a confocal laser system with fiber optic probes that is intended to allow imaging of the internal microstructure of tissues in gastrointestinal tracts, accessed by an endoscope or endoscopic accessories.

The Cellvizio System is a regulated Medical Device CE marked (Class IIa - NB : LNE/G-MED) and FDA cleared. Please consult labels and instructions for use.