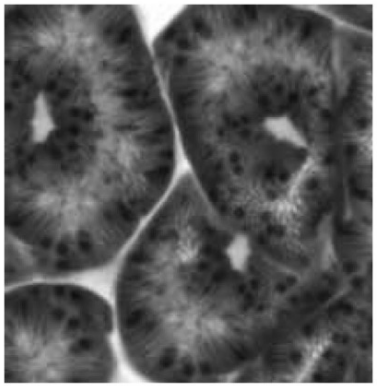
Cellvizio®

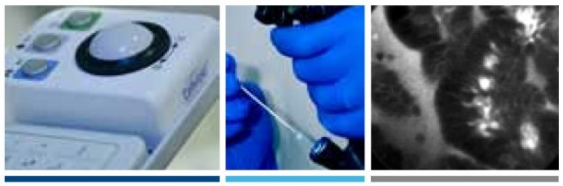
SEE WHAT MATTERS. NOW!



Cellvizio® ENDOMICROSCOPY

What is Cellvizio®?

Gaining better knowledge about your patient's condition...



All patients need their physicians to be able to diagnose and rule out problems during diagnostic exams and treat potential problems as quickly as possible so that they do not need to come back for a separate procedure. Until now, this has not always been possible with traditional endoscopic imaging technologies. Cancerous and precancerous tissue is often indistinguishable from benign tissue unless viewed under a microscope.

See what matters. Now!

...by providing real-time microscopic information of tissue

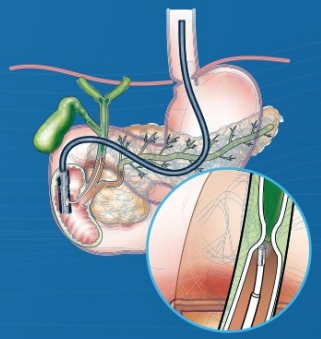
Cellvizio® is the only probe-based microscope that provides real-time microscopic visualization of tissue during endoscopy.

Cellvizio in the Gastrointestinal Tract

Clinical studies have demonstrated that Cellvizio can be helpful for the following applications[1-10] :

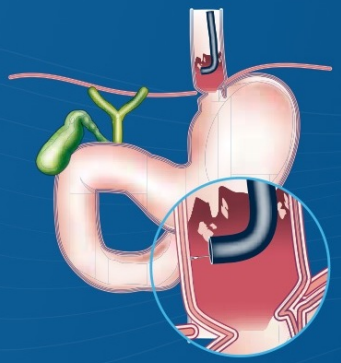
Bilio-pancreatic Strictures characterization

- Detect more malignant strictures during ERCP procedures[1, 2, 3]
- Tell patients "on the spot" that the stricture appears non malignant[2]

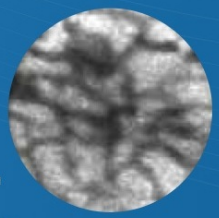


Barrett's Esophagus surveillance and treatment

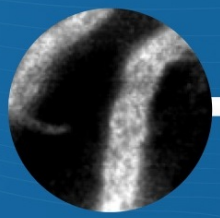
- Identify malignant tissue[4, 5]
- Guide therapeutic decision making[4]



Healthy Bile Duct[1]

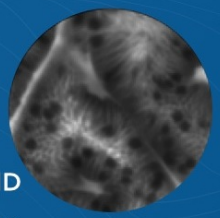


Malignant Stricture[1]

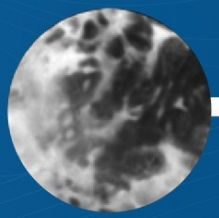


CholangioFlex™
Length: 4 m
Compatible operating channel: ≥ 1.2 mm

Intestinal Metaplasia[4]

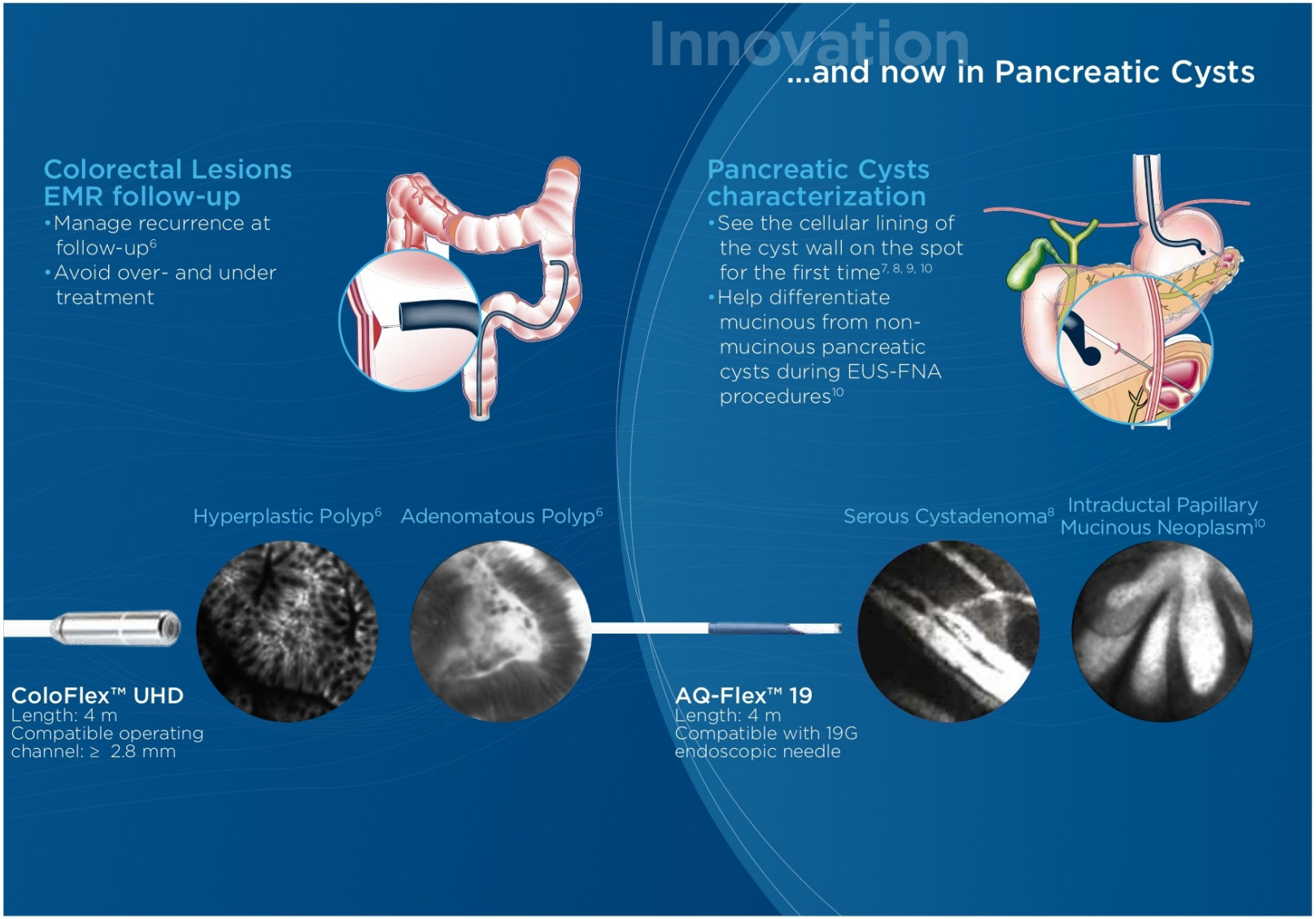


Adenocarcinoma[4]



GastroFlex™ UHD
Length: 3 m
Compatible operating channel: ≥ 2.8 mm

This technology has the potential to help physicians diagnose gastrointestinal disorders, leading to better informed decisions.



...using a probe-based endomicroscopy system during endoscopic procedures.

Dr. Helga Bertani and Dr. Michel Kahaleh performing a pCLE procedure with Cellvizio

- Real-time microscopic visualization of tissues at the cellular level
- Access the entire GI tract
- Different probe types for different indications
- Compatible with existing endoscopes

1. Area of interest identified during endoscopic procedure. A Cellvizio® miniprobe is introduced into the working channel of an endoscope
2. The miniprobe appears on an endoscopic image and is positioned in contact with the mucosa
3. A Cellvizio® video is displayed in real-time

Cellvizio®

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

Better patient care is our aim.

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References

1. Meining A. et al., Detection of Cholangiocarcinoma In Vivo Using Miniprobe based confocal Fluorescence Microscopy, Clinical Gastroenterology and Hepatology, 2008.

2. Meining A, Chen YK. et al., Direct visualization of indeterminate pancreaticobiliary strictures using probe based Confocal Laser Endomicroscopy - A multi- center experience. Gastrointestinal Endoscopy, 2011.

3. Giovannini M. et al., Results of Phase I-II study on Intraductal Confocal Microscopy in Patients with Common Bile Duct Stenosis, Surgical Endoscopy, 2011.

4. 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. Gastrointestinal Endoscopy, 2011.

5. Pohl H et al., Miniprobe Confocal Lase Microscopy for the Detection of Invisible Neoplasia in Patients with Barrett's Esophagus. Gut, 2008.

6. Shahid MW, Buchner AM, Coron E, Woodward TA, Raimondo M, Dekker E, Fockens P, Wallace MB. Diagnosis accuracy of probe-based Confocal Laser Endomicroscopy (pCLE) in detecting recurrence of colorectal neoplasia after endoscopic mucosal resection. Gastrointestinal Endoscopy, 2012

7. Aslanian, H.R.,Chhieng, D.C.,Cai, G.,Siddiqui, U.D. EUS Guided Confocal Laser Endomicroscopy of the Pancreas. Gastrointestinal Endoscopy. 2010; 71(5): AB101 AB102 http://daveproject.org/ViewFilms.cfm?film_id=901.

8. Waxman, I.,Aslanian, H.R.,Konda,V.J.,Siddiqui, U.D.,Wallace, M.B. First Assessment of Needle- based Confocal Laser Endomicroscopy (nCLE) During EUS-FNA Procedures of the Pancreas. Gastrointestinal Endoscopy, 2011.

9. Giovannini, M.,Monges, G.M.,Caillol, F.,Bories, E.,Pesenti C. Feasibility of Intra Tumoral Confocal Microscopy Under EUS Guidance (EUS-CM). Presented at DDW 2011.

10. Meining, A.,Lo, S.K.,Jamil, L.H.,Wallace, M.B,Aslanian, H.R.,Siddiqui, U.D.,Giovannini, M.,Chang, K.J.,Hwang, J.H.,Saunders, M.D.,Konda, V.J.,Waxman,I. An International, Multi-center Trial on Needle-based Confocal Laser Endomicroscopy (nCLE): Results from the In vivo NCLE Study in the Pancreas with Endosonography of Cystic Tumors (INSPECT). Accepted at DDW 2012

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