



SUPERIORITY OF ENDOMICROSCOPY FOR THE DIAGNOSIS OF GASTRIC CANCER HIGHLIGHTED IN A PEER-REVIEWED PUBLICATION COMPARING ADVANCED IMAGING TECHNOLOGIES

Meta-Analysis Shows Superiority Compared to Other Imaging Modalities

Paris, March 2, 2017 – Mauna Kea Technologies (Euronext: MKEA, OTCQX: MKEAY) inventor of Cellvizio®, the multidisciplinary confocal laser endomicroscopy (CLE) platform, today announced a new peer-reviewed [publication](#) from the Singapore Gastric Cancer Consortium¹ highlighting the excellent results utilizing Cellvizio in improving diagnostic yield in gastric cancer, including the need for two-thirds fewer biopsies to confirm the presence of disease. The publication includes a meta-analysis of studies utilizing CLE with Cellvizio in gastric diseases, demonstrating superior results compared to conventional imaging modalities also evaluated in the study, including chromoendoscopy and narrow band imaging.

Sacha Loiseau, Ph.D., Founder and Chief Executive Officer of Mauna Kea Technologies, said, “This publication highlights a compelling opportunity to utilize Cellvizio to reduce uncertainties in the diagnosis, treatment and monitoring of patients with gastric cancer and disease. It clearly demonstrates the improved diagnostic performances, both in terms of identifying disease and guiding biopsies, when utilizing CLE in gastric cancer as compared to standard imaging technologies. Gastric cancer is the third leading cause of cancer death worldwide and is the most prevalent cancer in the Asia-Pacific region. We look forward to raising awareness of these powerful results and to expanding Cellvizio adoption to benefit more patients around the world.”

Key data from the meta-analysis performed on CLE and gastric diseases include:

- 85% sensitivity and 99% specificity in detecting and diagnosing polyps and neoplastic lesions
- 94% sensitivity and 95% specificity in detecting and diagnosing gastritis and gastric metaplasia
- 86% sensitivity and 93% specificity in detecting and diagnosing H. pylori-related gastritis

In this same paper, the authors reminded their local experience resulting in following results:

- Two-third fewer biopsies required to confirm gastric intestinal metaplasia compared to conventional imaging
- Higher diagnostic yield of 65.7% for gastric intestinal metaplasia, compared to 15.7% with conventional imaging (p<0.001)

Almost one million new cases of stomach cancer were estimated to have occurred in 2012, making it the fifth most common malignancy in the world, after cancers of the lung, breast, colorectum and prostate. Half the world total occurs in Eastern Asia (mainly in China). Stomach cancer is the third leading cause of cancer death in both sexes worldwide (723,000 deaths, 8.8% of the total). The highest estimated mortality rates are in Eastern Asia (24 per 100,000 in men, 9.8 per 100,000 in women)².

In their summary table, the authors considered CLE as a mature technology and not necessitating additional clinical evidence in this application, and highlighted the importance of adequate training for accurate CLE diagnosis.

About Mauna Kea Technologies

Mauna Kea Technologies is a global medical device company focused on eliminating uncertainties related to the diagnosis and treatment of cancer and other diseases thanks to real time in vivo microscopic visualization. The Company's flagship product, Cellvizio, has received clearance to sell a wide range of applications in more than 40 countries, including the United States, Europe, Japan, China, Canada, Brazil and Mexico. For more information on Mauna Kea Technologies, visit www.maunakeatech.com

¹ Publication by JWJ Lee, LG Lim and KG Yeoh. Advanced endoscopic imaging in gastric neoplasia and preneoplasia, BMJ Open Gastro, 2017

² World Health Organization, Globocan 2012: <http://globocan.iarc.fr/old/FactSheets/cancers/stomach-new.asp>



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