

「海外留学生として」

消化器内科

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IN-VIVO DIAGNOSIS OF EARLY GASTRIC CANCER WITH FOURTH-GENERATION ENDOSCOPIC COPY AND THE NEWLY-RECOGNIZED "ENLARGED NUCLEAR SIGN"

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Background and Aim
Since originally developed, fourth-generation endoscopic copy (EC), a novel ultra-high magnification endoscopic technique, has been to provide excellent quality in-vivo assessment of lesions found in the distal tract. This study aims to evaluate the utility of EC to discern early gastric cancer (EGC) and non-neoplastic lesions.

EC Classification
EC diagnosis was based on the EC classification originally created for colorectal lesions (Kudo SE, Inoue H et al. Endoscopy 2011; 41: 869-875). In summary, EC1 is interpreted as non-neoplastic, EC2 as adenoma, and EC3 as carcinoma.

Results
The sensitivity, specificity, and accuracy of EC for the diagnosis of early gastric cancer were as follows:

Test	Endoscopy A	Endoscopy B
Sensitivity	83.3%	83.3%
Specificity	83.3%	83.3%
Accuracy	83.3%	83.3%

Results
The sensitivity, specificity, and accuracy of ENS for the diagnosis of early gastric cancer were as follows:

Test	Results
Sensitivity	83.3%
Specificity	83.3%
Accuracy	83.3%

Conclusion
Through a real-time, in vivo tissue observation as well as identification of the "enlarged nuclear sign", fourth-generation endoscopic copy may optimize endoscopic diagnosis of early gastric cancer, representing another step towards the holy grail of the so-called optical biopsy.

I am a medical doctor from the Philippines. I came to Showa University Koto Toyosu Hospital in 2018 to do my fellowship training, after which, I continued to be part of the team as a clinical researcher. The Digestive Diseases Center is comprised of both gastroenterologists and GI surgeons, something that impressed me since this is a great opportunity to learn medical perspectives from both sides. Another great feature is the center's international environment. Every year, many international doctors come and visit the center to do observership, fellowship training, or live demonstrations. Since joining, I was able to greatly improve my theoretical knowledge and clinical eye, witness and learn cutting-edge techniques and treatments, develop skills through various hands-on workshops, and participate in conferences and live demonstrations locally and internationally. This experience is something I will not gain if I did not come to Showa University Koto Toyosu Hospital Digestive Diseases Center. If you are especially interested in gaining more knowledge and skills while experiencing an international environment, please come and visit the center. I look forward to seeing you.