



NAVICAM[®] VISION

Converging Robotics & AI... a new vision of GI diagnostic & therapeutic excellence



CEO'S MESSAGE

Welcome to the first issue of our new and improved NaviCam[®] Vision quarterly newsletter. The aim of the NaviCam[®] Vision is to keep you up to date with our latest innovations, clinical data and most importantly, our vision.

We are excited to have received a De Novo Classification from FDA for our first to market NaviCam[®] Stomach System, which utilizes advanced robotic technologies combined with innovative and intelligent software to give medical practitioners external robotic control of the capsule inside the human body. This technology has transformed the identification of gastric cancer to a minimally invasive, non-sedated test. Our NaviCam[®] SB, available in Europe, incorporates a deep-learning algorithm, which significantly reduces reading time for the accurate identification of small bowel diseases.

With our current products and technologies in the pipeline, we are poised to make a difference...for both clinicians and patients alike.

Thank you and stay tuned!

Joe Xiao, President & CEO

WHAT'S NEW

AnX Robotica is proud to announce the launch of our updated website, www.anxrobotics.com. The site is formatted to allow easy navigation with up-to-date information on our latest products, technology, and clinical publications. A brand-new section is in the works called AnX Academy. This new initiative is focused on providing relevant materials to help users get the most from our products.

USE OF ARTIFICIAL INTELLIGENCE FOR DETECTION OF GASTRIC LESIONS BY MAGNETICALLY-CONTROLLED CAPSULE

Xia J et al. GIE 2021 Jan;93(1):133-139.e4.

Prof. Liao and his team from China developed a novel automatic gastric lesion detection system based on a convolutional neural network (CNN) and a faster region-based convolutional neural network (RCNN). A total of 1,023,955 MCE images from 797 patients were used to train and test the system. These images were divided into 7 categories, showing very good specificity and a high NPV. Authors conclude "The CNN faster-RCNN-based diagnostic program system showed good performance in diagnosing gastric focal lesions in MCE images."

Diagnostic performance of the system detection of erosion, polyp, ulcer, submucosal tumor, xanthoma, normal, and invalid images in the per image analysis

Lesions	Sensitivity (%), (95% CI)	Specificity (%), (95% CI)	PPV (%), (95% CI)	NPV (%), (95% CI)	Accuracy (%), (95% CI)
Erosion	99.3 (98.99-99.5)	96.8 (96.7-96.9)	44.3 (43.3-45.2)	99.98 (99.9-99.9)	96.8 (96.8-96.9)
Polyp	96.5 (95.5-97.3)	94.8 (94.7-94.9)	14.1 (13.5-14.7)	99.97 (99.9-99.9)	94.9 (94.8-94.95)
Ulcer	89.3 (87.2-91.2)	93.7 (93.6-93.8)	6.5 (6.1-6.9)	99.94 (99.9-99.9)	93.7 (93.6-93.8)
Submucosal tumor	87.2 (84.6-89.5)	95.3 (95.2-95.4)	6.38 (5.9-6.9)	99.95 (99.9-99.9)	95.2 (95.1-95.3)
Xanthoma	90.6 (87.9-92.9)	96.9 (96.9-97.0)	7.38 (6.8-8.0)	99.97 (99.9-99.9)	96.9 (96.8-96.98)
Normal	67.7 (67.5-70.0)	98.1 (98.0-98.2)	98.7 (98.6-98.8)	59.7 (59.4-60.0)	77.7 (77.5-77.9)
Invalid Image	96.1 (96.0-96.3)	99.95 (99.9-99.96)	99.9 (99.8-99.9)	98.5 (98.4-98.6)	98.9 (98.8-98.9)

CI, Confidence interval; PPV, positive predictive value; NPV, negative predictive value.

US REIMBURSEMENT NEWS

AnX Robotica is pleased to offer reimbursement guidance and educational materials related to claims submission for the NaviCam[®] Stomach Endoscopy MCCE procedure. We are available to answer your questions about coding, coverage and payment for our products and procedures, including:

- General reimbursement and coverage questions
- Payer policy and any prerequisite requirements
- Procedural Billing and Coding Guidelines

Contact reimbursement@anxrobotics.com or go to www.anxrobotics.com to download the New 2021 Procedural Reimbursement Guide for the NaviCam[®] Stomach Capsule Endoscopy MCCE Procedure.

ANX ROBOTICA

AnX Robotica Corporation, founded in 2018 is an advanced technology medical device company integrating innovative research and development with the mission of providing the medical community with patient-friendly devices for diagnostic and therapeutic applications. AnX products include the NaviCam[®] Stomach Capsule Endoscopy MCCE Procedure, which is the first ever (Magnetically-Controlled Robotic Capsule Endoscopy System).

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