

# Navicam® UGI - Clinical Evidence

N=

Total Number of Patients according to published data (status: 2020-04-30)

**6.621**

Reference	Indication	N=
<b>Navicam® UGI vs EGD (prospective trials)</b>		<b>527</b>
<i>Chen Y-Z et al. Endoscopy 2019;51(4):360-364</i> Detachable string MCCE for complete viewing of esophagus and stomach	4 healthy, 21 pts with suspected esophageal disease. Accuracy DS-MCCE vs EGD	25
<i>Liao Z et al. CGH 2016; 14:1266–1273</i> Accuracy of MCCE vs conventional gastroscopy, in detection of gastric diseases	Upper abdominal complaints (first MCE, 2 hours later EGD)	350
<i>Qian Y-Y et al. DLD 2018; 50(10):1041-1046</i> Preliminary study of MCCE for diagnosing superficial gastric neoplasia	Pts scheduled for ESD were prospectively invited to MCE exam	10
<i>Tai D. Gut 2019; 68; A53-4 ABSTRACT</i> Robot controlled MAC gastroscopy is better tolerated and accepted vs flexible gastroscopy.	Dyspepsia Route of EGD: 33 oral, 5 trans-nasal	38
<i>Tai D. Gut 2019; 68; A54-5 ABSTRACT</i> Robot controlled MAC gastroscopy provides non-inferior views to conventional EGD. A pilot study.	Dyspepsia Route of EGD: 15 oral, 2 trans-nasal	16
<i>Wang S et al. J Hepatol 2019; e154 ABSTRACT</i> MCCE for risk stratification of gastroesophageal varices in compensated cirrhosis. A prospective multicenter study	Risk stratification of gastroesophageal varices (GOV)	20
<i>Zou W-B, et al. Endoscopy 2015; 47(6):525-528</i> MCCE vs. gastroscopy for gastric diseases: a two-center self-controlled comparative trial	Upper abdominal complaints, suitable for EGD	68
<b>Feasibility, Preparation, safety, tolerance, transit times, technical aspects</b>		<b>812</b>
<i>Ching H-L et al. Gut 2017;66(S2);A230 ABSTRACT</i> MCCE - first reported experience outside China	Dyspepsia; Image quality, tolerance	8
<i>Jiang B et al. GIE 2020 Jan 22. (Epub ahead of print)</i> 2 <sup>nd</sup> generation MCCE with improved image resolution and frame rate: MCCE-1 vs MCCE-2 (RCT)	Abdominal pain, distention, reflux, chronic diarrhea, physical examination	80
<i>Jiang X et al. GIE 2018; 88(4):746-754</i> Impact of magnetic steering on GTT of CE	GI symptoms / patients scheduled for MCE (22-81 yrs)	200
<i>Liao Z et al. J Interv Gastroenterol. 2012;2(4):155-160.</i> Feasibility and safety of MCE in examination of human stomach: a pilot study in healthy subjects	Healthy volunteers	34
<i>Luo Y-Y et al. Dig Dis Sci 2019</i> Magnetic Steering of CE Improves SB CE completion rate.	UGI symptoms; 107 prospectively vs 120 historical control group	227
<i>Qian Y et al. Gastroenterol Res Pract 2016; 6471945;1-7</i> Combination of 5 body positions can effectively improve rate of gastric mucosa's complete visualization by MGCE	UGI symptoms, IDA, healthy (50%)	60
<i>Wang Y-C et al. Dig Dis Sci 2018; 64(5):1297-1304</i> Repetitive Position Change Improves Gastric Cleanliness in MCCE	Upper abdominal complaints. Position change vs conventional group (RCT)	83
<i>Zhu S-G et al. DLD 2018; 50(1):42-47</i> Gastric preparation for MCCE: A prospective, randomized single-blinded controlled trial	Upper abdominal complaints. 3 groups (clear water/ Simethicone/ Simethicone and Pronase)	120

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<b>Navicam® UGI in gastric cancer screening</b>		<b>3.182</b>
<i>Zhao A-J et al. GIE 2018; 88(3):466-474</i> Screening for gastric cancer with MCCE in asymptomatic individuals	Asymptomatic, >18yrs, family history or personal concerns	3.182
<b>Children and elderly</b>		<b>461</b>
<i>Gu Z et al. J Pediatr Gastroenterol Nutr. 2019 Feb 7. [Epub]</i> MCE in Children: A Single Center, Retrospective Cohort Study	GI symptoms requiring EGD, but not accepting or fit for EGD in children 6-14 yrs	129
<i>Qian Y, et al. Gastroenterol Res Pract 2018: 4248792</i> MCCE in the diagnosis of GI disease in minors	CD, GI bleeding, abdominal pain. DY in children 6-18 yrs	84
<i>Tang Y et al. GIE 2016;83;5S; AB299 ABSTRACT</i> The clinical utility of MCCE in pediatric patients	Abdominal complaints Children 6-17 yrs	30
<i>Xie M et al. Gastroenterol Res Pract. 2019:7172930.</i> Magnetically Guided Capsule Endoscopy in Pediatric Patients with Abdominal Pain.	Patients with abdominal pain, 6-18 years	48
<i>Zhang S, et al. Dig Dis Sci 2019 [Epub]</i> Clinical efficiency and safety of MCE for Gastric Diseases in Aging Patients	Elderly >65yrs with poor physic condition, heart failure, etc. (98), middle-aged 40-65yrs (72)	170
<b>Other</b>		<b>1.639</b>
<i>Chen X et al. Gastroenterol Res Pract 2018</i> Screening for gastric and SB mucosal injury with MCCE in asymptomatic patients taking enteric-coated aspirin	DY of MCCE in asymptomatic patients with aspirin vs healthy subjects	52
<i>Finta A et al. Digestive Endoscopy 2020; 32 (Suppl. 1): 23 ABSTRACT</i> First European experiences with a new magnetically controlled robotic CE system	Patients with conventional small bowel capsule endoscopy indications	394
<i>Jiang X, et al. VideoGIE 2019; 4(6):239-243</i> Standardized examination procedure of MCE	52-year-old woman with recurrent upper abdominal pain for 3 months	1
<i>Lai H. et al. Saudi J Gastro 2018; 24(3):189-195</i> Association between patient characteristics and MCCE findings	GI symptoms In-patient vs out-patients	580
<i>Schmiedt P et al. Endoscopy 2019;51(04):S7 ABSTRACT</i> A new preparation method for improving gastric mucosal visibility and cleanliness during MCCE: a prospective study	Group A: Simethicone, Pronase B, Sodium bicarbonate Group B: Simethicone only	60
<i>Song J et al. Dis Esophagus. 2020</i> Better view by detachable string MCCE for esophageal observation: a retrospective comparative study.	Upper gastrointestinal symptoms	238
<i>Xiang X, et al. GIE 2019; 89(6S): AB550-551 ABSTRACT</i> Does MCCE have diagnostic value in patients with reflux or heartburn	Reflux or heartburn (146) Asymptomatic (168)	314