LITERATURE REVIEW
Medtronic provides the following synopsis of a clinical publication involving capsule endoscopy.

COMPARISON OF CAPSULE ENDOSCOPY AND MAGNETIC RESONANCE ENTEROGRAPHY FOR THE ASSESSMENT OF SMALL BOWEL LESIONS IN CROHN'S DISEASE

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1. Retrospective review of 32 established and 15 suspected Crohn’s disease (CD) patients who underwent magnetic resonance enterography (MRE), followed by capsule endoscopy (CE) (26 patients had PillCam™ SB 2 capsule [SBCE], 21 patients had PillCam™ COLON 2 capsule [CCE]) within 3 months of each other, with no change of management between the two studies. If there was a suspected stricture on MRE, patients (10) underwent PillCam™ patency capsule prior to capsule endoscopy. The aim was to compare MRE to CE for the assessment of CD in the small bowel (SB).

2. The entire SB could be examined in 91% of CE examinations, and quality of CE images were considered good or excellent in 100% of patients with CCE and 98% of patients with SBCE.

3. CE and MRE findings agreed in 44.7% of patients (21/47 patients). CE detected significantly more patients with lesions in the entire SB than MRE (76.6% vs 44.7%, p=0.001).

4. CE identified more lesions than MRE in each segment of SB: jejunum (31.9% vs 6.4% of patients), ileum (57.4% vs 21.3% of patients), terminal ileum (68.1% vs 38.3% of patients).

5. MRE did not identify patients with mild lesions (0/6 patients) and only 64% of patients with moderate lesions (16/25 patients), which were all identified on CE.

6. Subgroup analysis of only established CD patients showed similar results that CE identified significantly more lesions than MRE (87.5% vs 56.2% of patients).

7. Enhanced detection by CE led to changes in Montreal classification of disease in 48.9% of patients, which may influence therapeutic management of CD.

8. No capsule retention occurred.

9. CE was significantly superior to MRE for detecting superficial and proximal SB lesions in patients with known or suspected CD.

Full article: https://www.ncbi.nlm.nih.gov/pubmed/29506048