

<b>Table 1: Key search terms</b>		
Crohn's Disease (MeSH)	Small Bowel	Ultrasound (MeSH)
Crohn's Disease	ileal	Ultrasound
Crohn's	Ileum	US
CD	Ileitis	Sonography
Crohn*		Echography
Inflammatory bowel disease		Point of care ultrasound
IBD		POCUS
		ultrasonography

<b>Table 2: Included sources</b>				
Authors	Location of Source	Year of publication	Title of Source	Type of source
Allocca,M., Furfaro,F., Fiorino,G., et al.	Italy, France	2020	Point-of-care ultrasound in inflammatory bowel disease	Literature review article
Smith, R., Taylor, K., Friedman, A., et al	Australia	2020	Inter-rater reliability of gastrointestinal ultrasound in the assessment of disease activity in patients with inflammatory bowel disease prior to commencing medical therapy	Abstract (poster presentation)
Bollegala, N., Griller, N., Bannerman, h., et al	Canada	2019	Ultrasound vs Endoscopy, Surgery, or Pathology for the Diagnosis of Small Bowel Crohn's Disease and its Complications	Literature review article
Fraquelli, M., Castiglione, F. Calabrese, E., et al	Italy	2019	Impact of intestinal ultrasound on the management of patients with inflammatory bowel disease: how to apply scientific evidence to clinical practice	Literature review article
Grunshaw, N.D	UK	2019	Initial experience of a rapid-access ultrasound imaging service for inflammatory bowel disease	Clinical practice review article
Lamb, C., Kennedy, N., Raine, T., et al	UK	2019	British Society of Gastroenterology consensus guidelines on the management of inflammatory bowel disease in adults	Clinical Practice Guidelines
Maaser, C., Sturm, A., Vavricka, S.R., et al	Europe wide	2019	ECCO-ESGAR Guideline for Diagnostic Assessment in IBD Part 1: Initial diagnosis, monitoring of known IBD, detection of complications	Clinical practice guidelines
Panaccione,R., Steinhart, A.H, Bressler,B. et al	Canada	2019	Canadian Association of Gastroenterology Clinical Practice Guideline for the Management of Luminal Crohn's Disease	Clinical Practice Guidelines

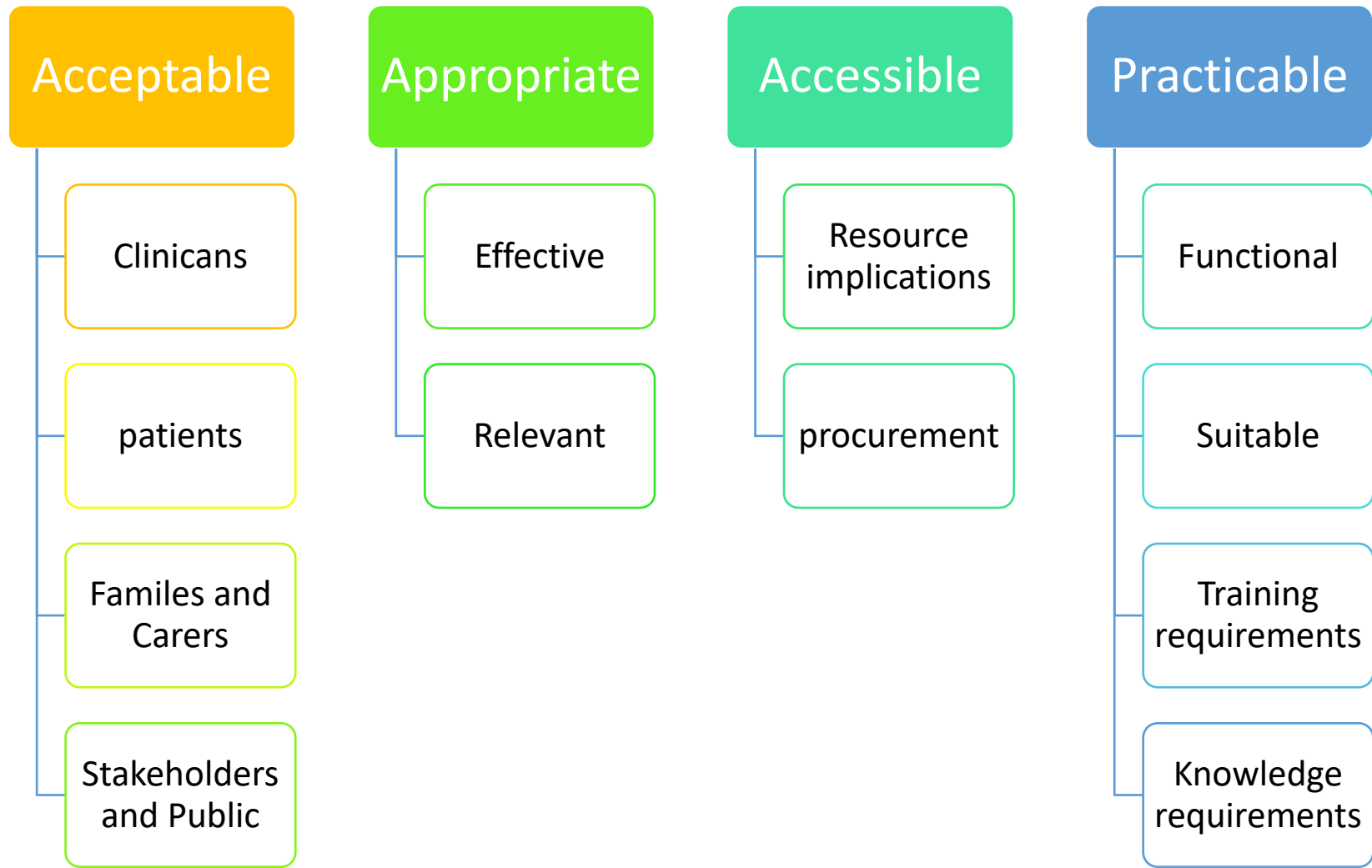
Yuksel, I., Kilincalp, S., Coskun, Y., et al	Turkey	2019	Diagnostic accuracy of intestinal ultrasound and magnetic resonance enterography for the detection of endoscopy-based disease activity in ileocolonic Crohn's disease	Cross sectional study
Bots, S., Nylund, K., Lowenberg, M., et al	Norway, The Netherlands	2018	Ultrasound for assessing disease activity in IBD patients: a systematic review of activity scores	Literature review article
Bryant, R.V., Friedman, A.B., Wright, E.K., et al	Australia	2018	Gastrointestinal ultrasound in inflammatory bowel disease: an underused resource with potential paradigm-changing application	Clinical practice review article
Kucharzik, T. and Maaser, C.	Germany	2018	Intestinal ultrasound and management of small bowel Crohn's disease	Clinical practice review article
Lichtenstein, G., Loftus, E., Isaacs, K. et al	USA	2018	ACG Clinical Guideline: Management of Crohn's Disease in Adults	Clinical Practice Guidelines
Miles, A., Bhatnagar, G., Halligam, S. et al	UK	2018	Magnetic resonance enterography, small bowel ultrasound and colonoscopy to diagnose and stage Crohn's disease: patient acceptability and perceived burden	Cross sectional study
Taylor, S., Mallett, S., Bhatnagar, G., et al	UK	2018	Diagnostic accuracy of magnetic resonance enterography and small bowel ultrasound for the extent and activity of newly diagnosed and relapsed Crohn's disease (METRIC): a multicentre trial	Cross sectional study
Conti, C.B., Giunta, M., Gridavilla, D., et al	Italy	2017	Role of bowel ultrasound in the diagnosis and follow up of patients with Crohn's Disease.	Literature review article
Kucharzik, T., Kannengiesser, K. and Petersen, F.	Germany	2017	The use of ultrasound in inflammatory bowel disease	Literature review article

Kucharzik, T., Wittig, B., Helwig, U., et al	Germany	2017	Use of intestinal ultrasound to monitor Crohn's Disease Activity.	Cross sectional study
Novak, K.L., Kaplan, G.G, Panaccione, R.	Canada	2017	A simple ultrasound score for the accurate detection of inflammatory activity in Crohn's disease	Cross sectional study
Taylor, S.A., Avni, F., Cronin, C.G. et al	Europe Wide	2017	The first joint ESGAR/ ESPR consensus statement on the technical performance of cross-sectional small bowel and colonic imaging	Delphi survey study
Calabrese, E., Maaser, C., Zorzi, F., et al	International: Canada, USA, Europe	2016	Bowel Ultrasonography in the Management of Crohn's Disease. A Review with Recommendations of an International Panel of Experts	Literature review article
Ripolles, T., Paredes, J.M, Martininez-Perez, M.J., et al	Spain	2016	Ultrasonographic changes at 12 weeks of anti-TNF drugs predict 1-year sonographic response and clinical outcome in Crohn's disease: a multicentre study	Cohort study
Wilkens, R., Novak, K.L., Lebuf-Taylor, E., et al	Canada/Denmark	2016	Impact of Intestinal Ultrasound on Classification and Management of Crohn's Disease Patients with Inconclusive Colonoscopy	Cross sectional
Calabrese, E., Zorzi, F., Lilli, E., et al	Italy	2015	Positioning Ultrasonography Into Clinical Practice for the Management of Crohn's Disease	Clinical practice review article
Novak, K., Tanyingoh, D., Petersen, F., et al	Canada	2015	Clinic-based Point of Care Transabdominal Ultrasound for Monitoring Crohn's Disease: Impact on Clinical Decision Making	Cross sectional study
Castiglione, F., Mainenti, P., De Palma, G.D., et al	Italy	2013	Non-invasive Diagnosis of Small Bowel Crohn's Disease: Direct Comparison of Bowel Sonography and Magnetic Resonance Enterography	Cross sectional study
Castiglione, F., Testa, A., Rea, M., et al	Italy	2013	Transmural healing evaluated by bowel sonography in patients with Crohn's disease on maintenance treatment with biologics	Cohort study

Novak, K.L. and Wilson, S.R.	Canada	2012	Sonography for surveillance of patients with Crohn Disease	Case report and clinical practice review
Calabrese, E., Zorzi, F. and Pallone, F.	Italy	2011	Ultrasound of the small bowel in Crohn's Disease	Literature review article
Hafeez, R., Greenhalgh, R., Rajan, J., et al	UK	2011	Use of small bowel imaging for the diagnosis and staging of Crohn's disease – a survey of current UK practice	Survey study
Girlich, C., Ott, C., Strauch, U., et al	Germany	2010	Clinical feature and bowel ultrasound in Crohn's disease - does additional information from magnetic resonance imaging affect therapeutic approach and when does extended diagnostic investigation make sense?	Cross sectional study
Calabrese, E., Kucharzik, T., Maaser, C., et al	International: Italy, Germany, USA, Canada, Japan.	2006	Real-time Interobserver Agreement in Bowel Ultrasonography for Diagnostic Assessment in Patients With Crohn's Disease: An International Multicenter Study	Cross sectional study
Maconi, G., Radice, E., Greco, S., et al	Italy	2006	Bowel ultrasound in Crohn's disease	Clinical practice review article
Calabrese, E., La Seta, F., Buccellato, A., et al	Italy	2005	Crohn's Disease: A Comparative Prospective Study of Transabdominal Ultrasonography, Small Intestine Contrast Ultrasonography, and Small Bowel Enema	Cross sectional study
Pascu, M., Roznowski, A.B., Muller, H.P., et al	Germany	2004	Clinical Relevance of Transabdominal Ultrasonography and Magnetic Resonance Imaging in Patients With	Cross sectional study

			Inflammatory Bowel Disease of the Terminal Ileum and Large Bowel	
Sturm, E.J.C., Cobben, L.P.J., Meijssen, M.A.C., et al	Netherlands	2004	Detection of ileocecal Crohn's disease using ultrasound as the primary imaging modality	Cross sectional study
Maconi, G., Carsana, L., Fociani, P., et al	Italy	2003	Small bowel stenosis in Crohn's disease: clinical, biochemical and ultrasonographic evaluation of histological features	Cross sectional study
Parente, F., Maconi, G., Bollani, S., et al	Italy	2002	Bowel ultrasound in assessment of Crohn's disease and detection of related small bowel strictures: a prospective comparative study versus x-ray and intraoperative findings	Cross sectional study
Potthast, S., Rieber, A., Von Tirpitz, C., Et al	Denmark	2001	Ultrasound and magnetic resonance imaging in Crohn's disease: a comparison	Cross sectional study
Valette, P.J., Rioux, M., Pilleul, F., et al	France	2001	Ultrasonography of chronic inflammatory bowel diseases	Literature review article
Tarjan, Z., Toth, G., Gyorke, T., et al	Hungary	2000	Ultrasound in Crohn's disease of the small bowel	Case series study
Hollerbach, S., Geissler, H., Schiegl, H., et al	Germany	1998	The accuracy of abdominal ultrasound in the assessment of bowel disorders	Cross sectional study

**Figure 1: Factors of Clinical utility from Smart<sup>27</sup>**



**Figure 2: PRISMA<sup>31</sup> flow diagram.**

