

*Information Resources:

Ovid Medline, NCBI PubMed, National Guideline Clearinghouse, Guidelines International Network, TRIP Database, Choosing Wisely, Cochrane Database, Agency for Healthcare Research and Quality, and numerous specialty society websites
Additional Internet and bibliographic searches were performed for all phases of research

For use only in connection with development of AUC by the CDI Quality Institute's Multidisciplinary Committee

Systematic Literature Research – Ovid Medline Database**Combined Evidence Tables References**

46 Observational Studies
9 Systematic Reviews and Meta-Analyses
8 Physician reviews

*Note: due to overlapping search results, a number of abstracts screened were duplicated across PICOs but only appear once in the Evidence Table to avoid repetition. See specific research process flowcharts for detailed search logic and results

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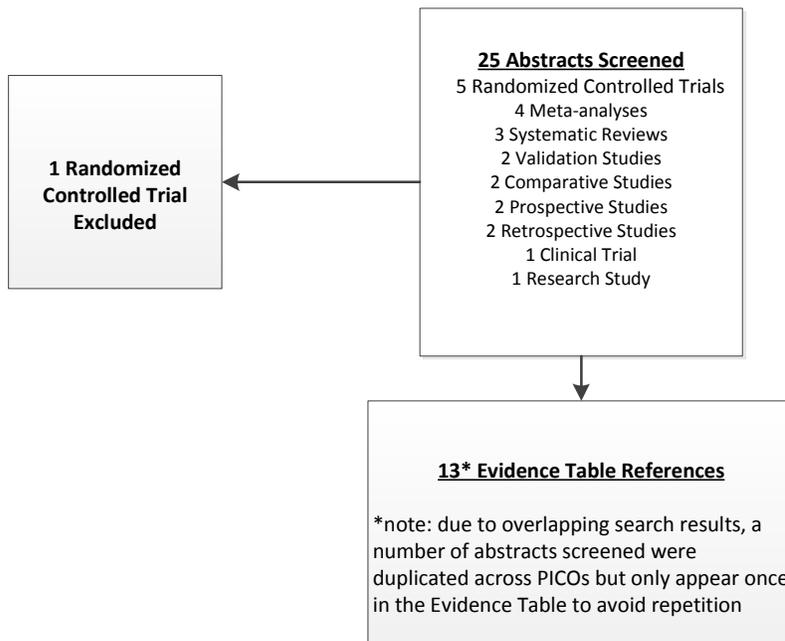
Systematic Literature Research – Ovid Medline Database (01/01/2010 – 11/9/2017)

PICO: Diffuse or poorly localized abdominal pain with or without fever (including clinical suspicion for bowel perforation, abscess, incarcerated hernia, post-surgical complication and symptomatic abdominal aortic aneurysm)

High-Level Search Strategy:

1. Abdominal Pain/ or Visceral Pain/
2. Abdomen/ or (abdomen or abdominal or intraabdominal or stomach* or viscera* or gut or mesogastr* or splanchn* or gastric or intestin* or enteric or enteron or belly or periton* or "douglass' pouch" or mesenter* or omentum or retroperiton* or digestive tract).mp.
3. Pain/ or (pain* or ache* or discomfort or guarding).mp.
4. Intestinal Perforation/ or ((intestin* or bowel) and (perforation* or perforat* or ruptur*)).mp.
5. Abdominal Abscess/ or ((abdominal or intraabdominal) and abscess*).mp.
6. ((incarcerated or strangulated) and hernia).mp.
7. Postoperative complications/ or (("post surgical" or "post-surgical" or postsurgical or postoperative or "post operative" or "post-operative") and complication*).mp.
8. 2 and 7
9. Aortic Aneurysm, Abdominal/ or (abdominal aortic and (aneurism or aneurysm)).mp.
10. (symptomatic or symptom* or indication* or sign or manifestation*).mp.
11. 9 and 10
12. Tomography, X-Ray Computed/ or Magnetic Resonance Imaging/ or ("CT scan" or computed tomography or CTA or MRI or MRA or magnetic resonance or imaging or bone scan or scintigraphy or HDP or MDP or 99mTc or PET or SPECT or enteroclysis or enterography or nuclear medicine or hepatobiliary or Ga-67 or Tc-99m WBC or In-111 WBC).mp.
13. (guideline or meta-analysis or practice guideline or systematic reviews or validation studies).pt. or (systemati* or randomiz* or guidance or guideline or recommendation or meta-analysis or metaanalysis).mp.
14. 2 and 3
15. 1 or 4 or 5 or 6 or 8 or 11 or 14
16. 12 and 13 and 15
17. limit 16 to (english language and humans)
18. limit 17 to "all adult (19 plus years)"
19. limit 18 to yr="2010 -Current"

495 results; after duplicates removed, 421 results



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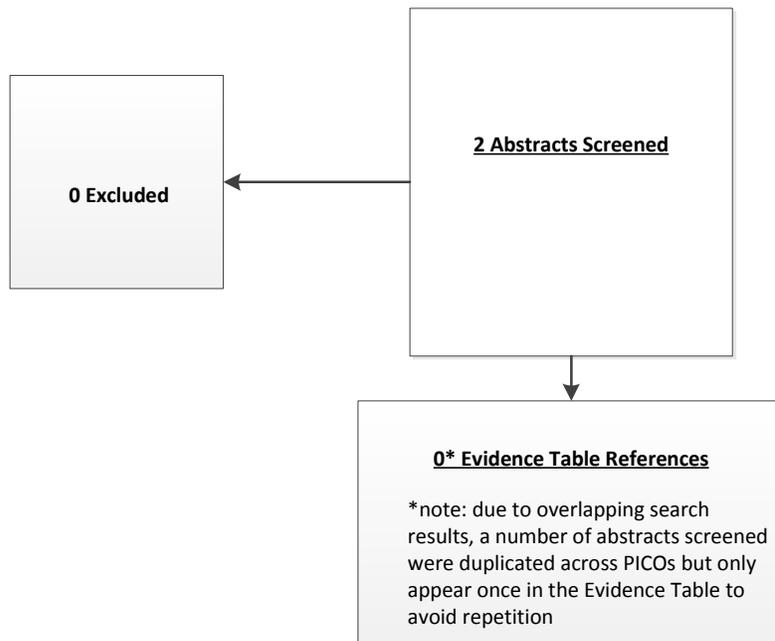
Systematic Literature Research – Ovid Medline Database (01/01/2012 – 11/10/2017)

PICO: Abdominal/Epigastric pain with suspected peptic ulcer disease

High-Level Search Strategy:

1. exp Peptic Ulcer/ or "gastric ulcer".mp. or ((peptic or stomach or duodenal or curling or antral) and (ulcer* or ulcerat*)).mp.
2. (epigastric or epigastrium).mp. and (Pain/ or pain*.mp. or discomfort.mp.)
3. 1 or 2
4. Tomography, X-Ray Computed/ or Magnetic Resonance Imaging/ or ("CT scan" or computed tomography or CTA or MRI or MRA or magnetic resonance or imaging or bone scan or scintigraphy or HDP or MDP or 99mTc or PET or SPECT or enteroclysis or enterography or nuclear medicine or hepatobiliary or Ga-67 or Tc-99m WBC or In-111 WBC).mp.
5. (guideline or meta-analysis or practice guideline or systematic reviews or validation studies).pt. or (systemati* or randomiz* or guidance or guideline or recommendation or meta-analysis or metaanalysis).mp.
6. 3 and 4 and 5
7. limit 6 to (english language and humans and "all adult (19 plus years)")
8. limit 7 to yr="2012 -Current"

18 results; after duplicates removed, 14 results



***Information Resources:**

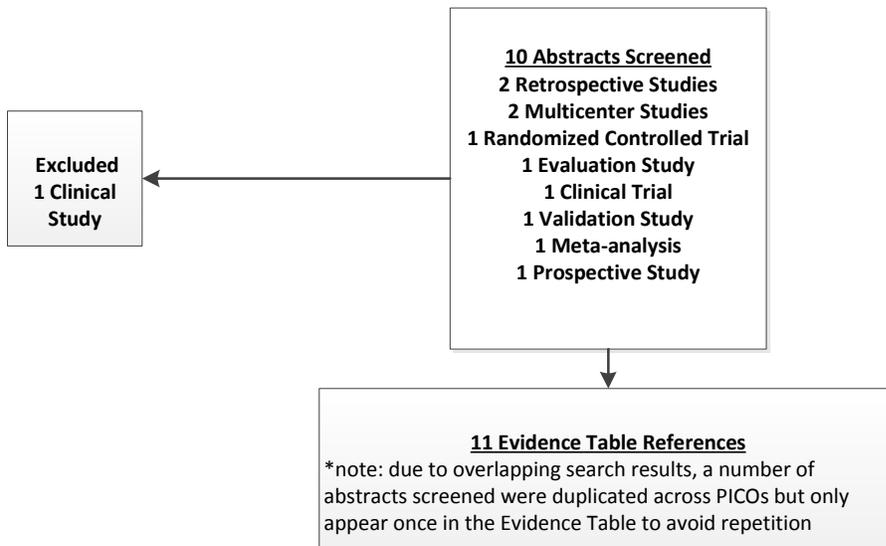
Ovid EmBase and Medline, NCBI PubMed, National Guideline Clearinghouse, Guidelines International Network, TRIP Database, Choosing Wisely, Cochrane Database, Agency for Healthcare Research and Quality, and numerous specialty society websites
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Systematic Literature Research – Ovid Medline Database (01/01/2012 – 11/10/2017)

PICO: Right lower quadrant pain with suspected appendicitis

High-Level Search Strategy:

1. Appendicitis/ or appendicitis.mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]
 2. (RLQ or (right lower and (quadrant or abdomen or abdominal))).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]
 3. Pain/ or pain*.mp. or tenderness.mp. or guarding.mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]
 4. 2 and 3
 5. Appendix/ or appendix.mp. or appendiceal.mp. or appendicular.mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]
 6. (perforat* or ruptur* or burst or inflammat* or inflam*).mp. or Inflammation/ or infect*.mp. or Infection/ [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]
 7. 5 and 6
 8. 1 or 4 or 7
 9. Tomography, X-Ray Computed/ or Magnetic Resonance Imaging/ or ("CT scan" or computed tomography or CTA or MRI or MRA or magnetic resonance or imaging or bone scan or scintigraphy or HDP or MDP or 99mTc or PET or SPECT or enteroclysis or enterography or nuclear medicine or hepatobiliary or Ga-67 or Tc-99m WBC or In-111 WBC).mp.
 10. (guideline or meta-analysis or practice guideline or systematic reviews or validation studies).pt. or (systemati* or randomiz* or guidance or guideline or recommendation or meta-analysis or metaanalysis).mp.
 11. 8 and 9 and 10
 12. limit 11 to (english language and humans and yr="2014 -Current" and "all adult (19 plus years)")
- 42 results, after duplicates removed, 33 results



***Information Resources:**

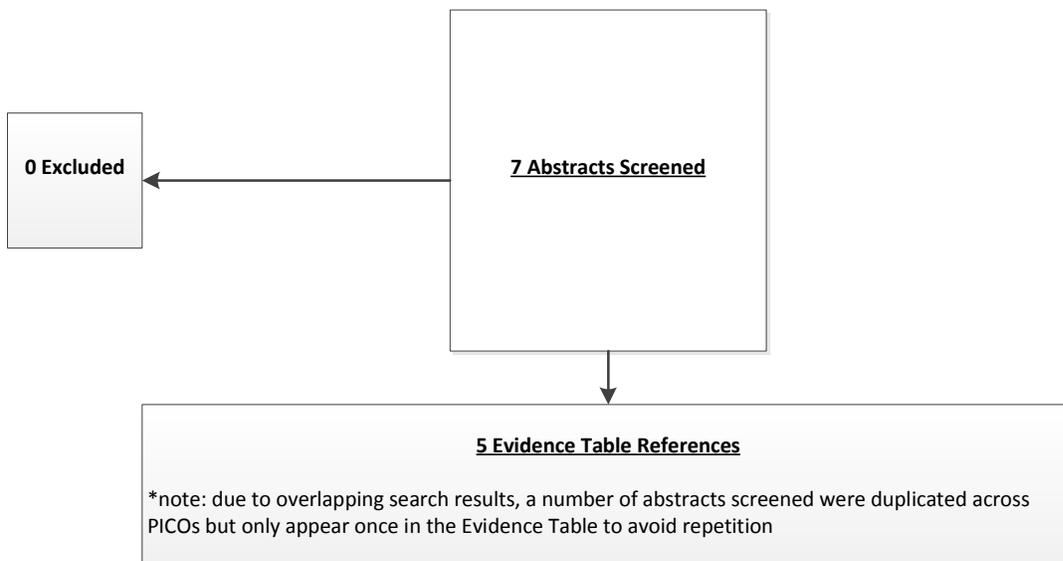
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Systematic Literature Research – Ovid Medline Database (01/01/2015 – 11/12/2017)

PICO: Right upper quadrant pain with suspected hepatobiliary disease with or without jaundice, with or without known gallbladder calculi

High-Level Search Strategy:

1. exp biliary tract diseases/
 2. cholangiocarcinoma.mp. or Cholangiocarcinoma/
 3. ("porcelain gallbladder" or gallstone* or (gall adj2 stone*) or jaundice*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]
 4. ((biliary or hepatobiliary or bile duct or gallbladder) and (stricture or stenosis or obstruction or mass or calcul* or stone* or staghorn)).mp.
 5. 1 or 2 or 3 or 4
 6. (RUQ or (right upper and (quadrant or abdomen or abdominal))).mp. and (Pain/ or pain*.mp. or discomfort.mp. or tenderness.mp. or guarding.mp.) [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]
 7. 5 or 6
 8. Tomography, X-Ray Computed/ or Magnetic Resonance Imaging/ or ("CT scan" or computed tomography or CTA or MRI or MRA or magnetic resonance or imaging or bone scan or scintigraphy or HDP or MDP or 99mTc or PET or SPECT or enteroclysis or enterography or nuclear medicine or hepatobiliary or Ga-67 or Tc-99m WBC or In-111 WBC).mp.
 9. (guideline or meta-analysis or practice guideline or systematic reviews or validation studies).pt. or (systemati* or randomiz* or guidance or guideline or recommendation or meta-analysis or metaanalysis).mp.
 10. 7 and 8 and 9
 11. limit 10 to (english language and humans and yr="2015 -Current" and "all adult (19 plus years)")
- 84 results, after duplicates removed 62 results



***Information Resources:**

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Additional Internet and bibliographic searches were performed for all phases of research

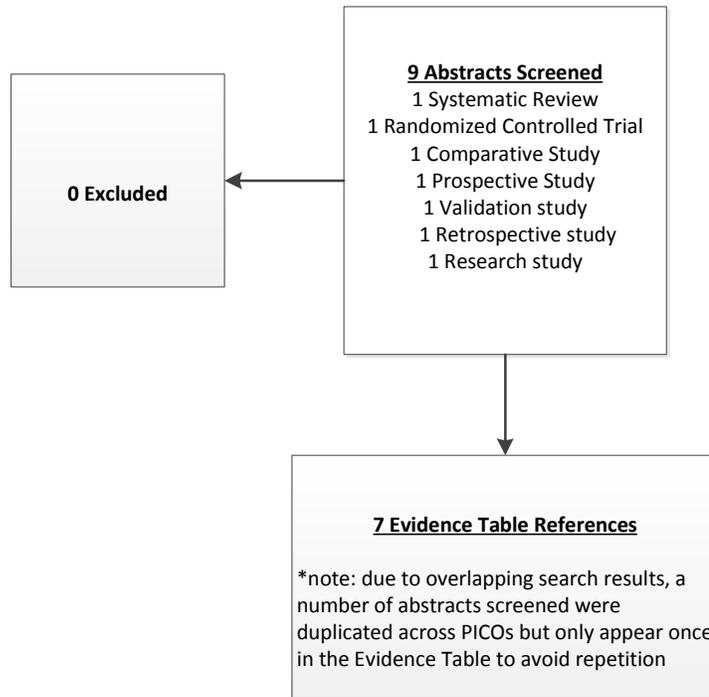
Systematic Literature Research – Ovid Medline Database (01/01/2013 – 11/12/2017)

PICO: Left lower quadrant pain with suspected diverticulitis

High-Level Search Strategy:

1. exp Diverticulitis, Colonic/ or exp Diverticulitis/ or diverticulitis.mp. or (diverticul* adj1 disease*).mp.
2. (LLQ or (left lower and (quadrant or abdomen or abdominal)))mp. and (Pain/ or pain*.mp. or discomfort.mp. or tenderness.mp. or guarding.mp.)
3. Tomography, X-Ray Computed/ or Magnetic Resonance Imaging/ or ("CT scan" or computed tomography or CTA or MRI or MRA or magnetic resonance or imaging or bone scan or scintigraphy or HDP or MDP or 99mTc or PET or SPECT or enteroclysis or enterography or nuclear medicine or hepatobiliary or Ga-67 or Tc-99m WBC or In-111 WBC).mp.
4. (guideline or meta-analysis or practice guideline or systematic reviews or validation studies).pt. or (systemati* or randomiz* or guidance or guideline or recommendation or meta-analysis or metaanalysis).mp.
5. 1 or 2
6. 3 and 4 and 5
7. limit 6 to (english language and humans and yr="2013 -Current" and "all adult (19 plus years)")

33 results; after duplicates removed 25 results



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Systematic Literature Research – Ovid Medline Database (01/01/2014 – 11/12/2017)

PICO: Pancreatitis

High-Level Search Strategy:

Pancreatitis/cl, di, dg, pa, su [Classification, Diagnosis, Diagnostic Imaging, Pathology, Surgery]

AND

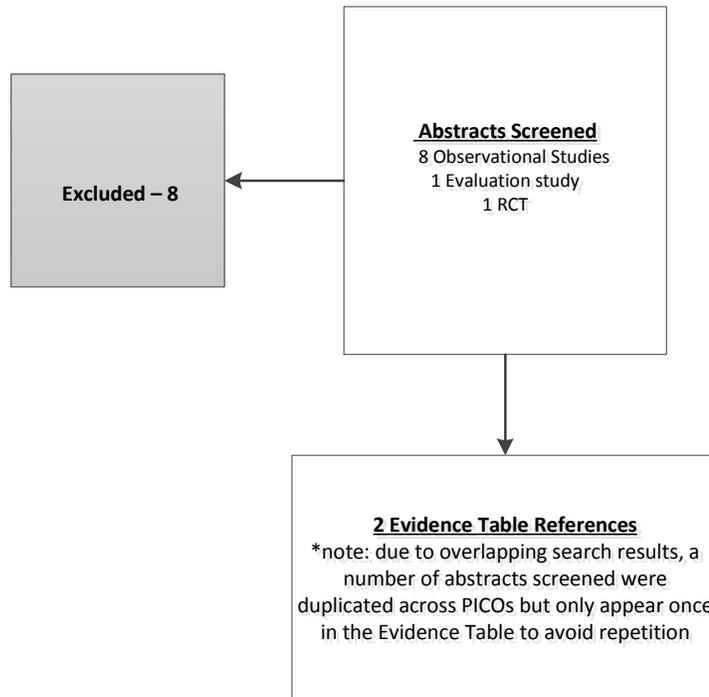
(mri or mra or magnetic resonance or CT or computed tomography or cta or spect or bone scan or PET or imaging).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]

NOT

(case adj2 (report or study or reports or studies)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]

limit to (english language and humans and yr="2014 -Current" and "all adult (19 plus years)

143 results; after duplicates removed 102 results



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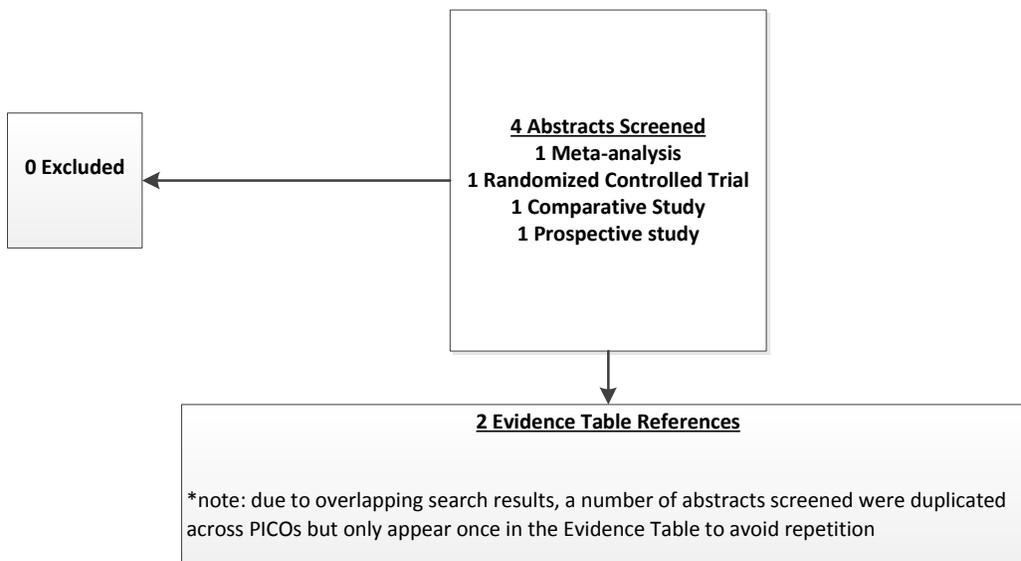
Systematic Literature Research – Ovid Medline Database (01/01/2012 – 11/9/2017)

PICO: Abdominal Pain with nausea, obstipation, vomiting, and/or distention with suspected small bowel obstruction (high grade, low-grade or intermittent), large bowel obstruction, pseudoobstruction, ileus and gastric outlet obstruction

High-Level Search Strategy:

1. (((intestin* or bowel or pseudointestin* or colon* or gastric outlet or sigmoid or duoden*) and (obstruction or pseudoobstruction or volvulus or adhesion or bezoar)) or (Ogilvie* and (syndrome or disease)) or ileus or intussusception).mp.
2. intestinal obstruction/ or afferent loop syndrome/ or duodenal obstruction/ or ileus/ or intestinal pseudo-obstruction/ or colonic pseudo-obstruction/ or intestinal volvulus/ or intussusception/
3. 1 or 2
4. Tomography, X-Ray Computed/ or Magnetic Resonance Imaging/ or ("CT scan" or computed tomography or CTA or MRI or MRA or magnetic resonance or imaging or bone scan or scintigraphy or HDP or MDP or 99mTc or PET or SPECT or enteroclysis or enterography or nuclear medicine or hepatobiliary or Ga-67 or Tc-99m WBC or In-111 WBC).mp.
5. (guideline or meta-analysis or practice guideline or systematic reviews or validation studies).pt. or (systemati* or randomiz* or guidance or guideline or recommendation or meta-analysis or metaanalysis).mp.
6. 3 and 4 and 5
7. limit 6 to (english language and humans and yr="2012 -Current" and "all adult (19 plus years)")

55 results; after duplicates removed, 41 results



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Systematic Literature Research – Ovid Medline Databases (01/01/2010 – 11/02/2017)

51 Results

Inflammatory Bowel Disease (IBD) & Irritable Bowel syndrome (IBS) combined search strategy: Search run on 11/02/2017

((Crohn* or Crohn* Disease) or (Colitis, Ulcerative) or (Inflammatory Bowel Disease*) or (Regional Enteritis) or (Crohn* Enteritis) or Ileocolitis or (Granulomatous Colitis)) OR ((irritable bowel syndrome) or IBS or (functional bowel disease) or (functional bowel disorder) or (functional bowel syndrome) or (irritable colon) or (mucous colitis))

AND

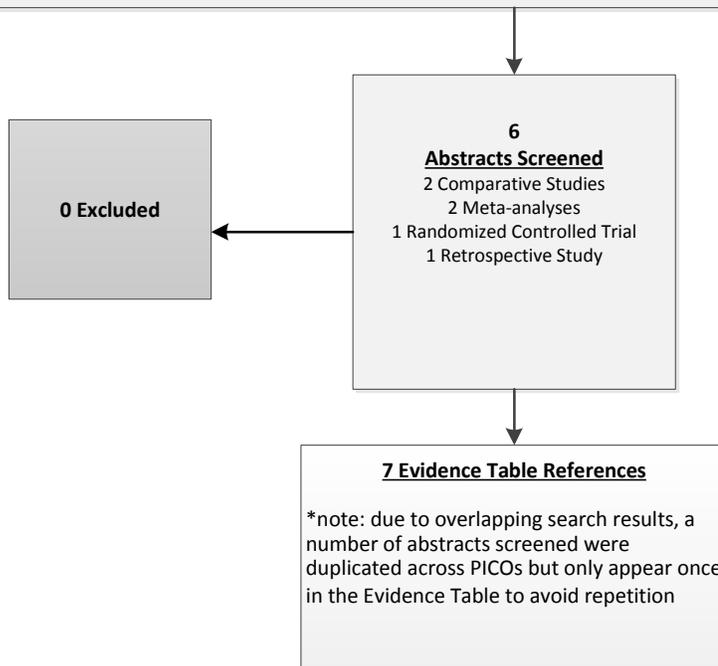
(CT or CTA or (computed tomography) or (computed tomography angio*) or MRI or MRA or (magnetic resonance) or (magnetic resonance imaging) or (CT entero*) or (MR entero*) or cholescintigraphy or (hepatobiliary scintigraphy) or (hepatobiliary scan) or HIDA or (Gallium 67 scintigraphy) or (Gallium scan) or (Ga-67) or (99mTc WBC) or (Tc-99m WBC) or (indium scan) or (Indium 111) or (111In WBC) or PET or (PET scan*))

AND

((systemati* review) or (randomiz* control*) or RCT or (randomize* control* trial*) or guidance or guideline or recommendation or (meta analysis) or (meta-analysis))

AND

Limit: English, Human, Adult
Limit: year= (2010 to present)



7 Evidence Table References
*note: due to overlapping search results, a number of abstracts screened were duplicated across PICO's but only appear once in the Evidence Table to avoid repetition

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Systematic Literature Research – Ovid Medline Database (01/01/2016 – 11/2/2017)

PICO: Mesenteric Ischemia

High-Level Search Strategy:

mesenteric ischemia.mp. or Mesenteric Ischemia/ OR ischemic colitis OR (mesenteric and (bowel or intestinal or gastrointestinal)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]

AND

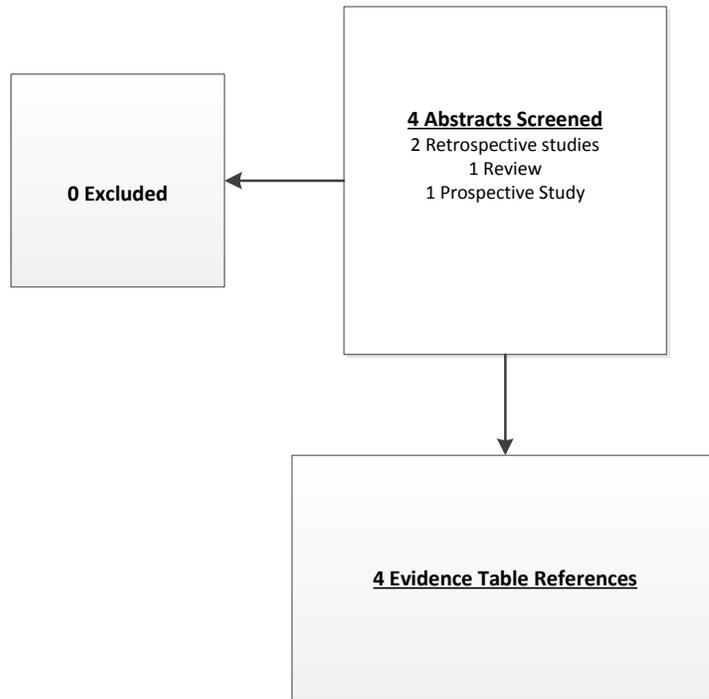
(mri or mra or magnetic resonance or CT or computed tomography or cta or spect or bone scan or PET or imaging).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]

NOT

(case adj2 (report or study or reports or atudies)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]

Limit to (english language and humans and yr="2016 -Current")

59 results



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