

Appendix 1 – Zoekstrategie

1.1. Uitgangsvraag 1 – Diagnostiek

Database(s): Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R) 1946 to Present

Search Strategy:

#	Searches	Results
1	exp Gastroesophageal Reflux/ or esophagitis/ or esophagitis, peptic/ or (gastroesophageal adj reflux).ti,ab. or (gastrooesophageal adj reflux).ti,ab. or (gastro esophageal adj reflux).ti,ab. or (gastro oesophageal adj reflux).ti,ab. or (GORD or GOR or GERD or GER).ti,ab. or (esophagitis or oesophagitis).ti,ab,kw. or (gastric adj3 (acid or reflux)).ti,ab. or (reflux adj (oesophagitis or esophagitis)).ti,ab. or (erosive adj3 (oesophag* or esophag*)).ti,ab.	50237
2	adolescent/ or child/ or child, preschool/ or infant/ or infant, newborn/ or infant, low birth weight/ or infant, postmature/ or infant, premature/ or exp Pediatrics/ or (child* or infant* or infancy or newborn* or neonat* or baby or babies or preschool or pre school or pubescen* or teen* or adolescen* or puber* or prepubert* or juvenil* or p?ediatric* or youth* or schoolchild* or school age* or schoolage* or preschool or pre-school or elementary school or high school* or highschool* or kindergar* or boy or boys or girl* or minor* or underag* or under ag* or kid or kids or toddler*).ti,ab.	3669364
3	*diagnostic techniques, digestive system/ or *Gastroesophageal Reflux/di or *Gastroesophageal Reflux/ra or esophageal ph monitoring/ or Barium Sulfate/ or esophagoscopy/ or gastroscopy/ or exp Biopsy/ or exp Proton Pump Inhibitors/du or Electric Impedance/ or exp Ultrasonography/ or Manometry/ or exp Radionuclide Imaging/ or endoscopy, digestive system/ or exp endoscopy, gastrointestinal/ or (barium or proton pump inhibitor* or PPI or PPIs or oesophagogastroduodenoscop* or esophagogastroduodenoscop* or esophagogastroscoop* or oesophagogastroscoop* or oesophago-gastroduodenoscop* or esophago-gastroduodenoscop* or esophago-gastroscoop* or oesophago-gastroscoop* or oesophago-gastro-duodenoscop* or esophago-gastro-duodenoscop* or gastroscoop* or esophagoscoop* or oesophagoscoop* or biops* or pH-metry or pH-MII or impedance or manometr* or motility or HRM or HRIM or scintigraph* or ultraso*).ti,ab. or ((oesophag* or esophagi* or PH) adj1 (monitoring* or recording* or measure*)).ti,ab,kw.	1179018
4	"Sensitivity and Specificity"/ or *diagnosis/ or diagnosis, differential/ or *Diagnostic Techniques, Digestive System/ or Gastric Acidity Determination/ or *Gastroesophageal Reflux/di or Gastrointestinal Motility/ or Reproducibility of Results/ or (sensitiv* or specific* or value* or diagnos* or accura*).ti,ab.	6078599
5	Animals/ not Humans/	3963496
6	exp Animals, Laboratory/ or exp Animal Experimentation/ or exp Models, Animal/ or exp Rodentia/ or (rat or rats or mouse or mice).ti. or editorial/ or letter/ or news/ or Comment/ or exp historical article/ or Anecdotes as Topic/ or Case Reports/ or (letter* or comment* or abstracts).ti.	6414567
7	(1 and 2 and 3 and 4) not 5 not 6	2703

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8	limit 7 to yr="2008 -Current"	856
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Database(s): **Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R) 1946 to Present**

Search Strategy:

#	Searches	Results
1	exp Gastroesophageal Reflux/ or esophagitis/ or esophagitis, peptic/ or (gastroesophageal adj reflux).ti,ab. or (gastroesophageal adj reflux).ti,ab. or (gastro esophageal adj reflux).ti,ab. or (gastro oesophageal adj reflux).ti,ab. or (GORD or GOR or GERD or GER).ti,ab. or (esophagitis or oesophagitis).ti,ab,kw. or (gastric adj3 (acid or reflux)).ti,ab. or (reflux adj (oesophagitis or esophagitis)).ti,ab. or (erosive adj3 (oesophag* or esophag*)).ti,ab.	50237
2	adolescent/ or child/ or child, preschool/ or infant/ or infant, newborn/ or infant, low birth weight/ or infant, postmature/ or infant, premature/ or exp Pediatrics/ or (child* or infant* or infancy or newborn* or neonat* or baby or babies or preschool or pre school or pubescen* or teen* or adolescen* or puber* or prepubert* or juvenil* or p?ediatric* or youth* or schoolchild* or school age* or schoolage* or preschool or pre-school or elementary school or high school* or highschool* or kindergar* or boy or boys or girl* or minor* or underag* or under ag* or kid or kids or toddler*).ti,ab.	3669364
3	exp Biological Markers/ or (biomarker* or biological marker* or transpyloric feed* or transpyloric food* or pyloric feed* or pyloric food*).ti,ab. or saliva/ or sputum/ or (saliva* or sputum).ti,ab,kw. or ((esophag* or oesophag* or ear or trachea* or gastr* or pulmon*) and (fluid* or juice* or effusion)).ti,ab,kw.	882966
4	"Sensitivity and Specificity"/ or *diagnosis/ or diagnosis, differential/ or *Diagnostic Techniques, Digestive System/ or Gastric Acidity Determination/ or *Gastroesophageal Reflux/di or Gastrointestinal Motility/ or Reproducibility of Results/ or (sensitiv* or specific* or value* or diagnos* or accura*).ti,ab.	6078599
5	Animals/ not Humans/	3963496
6	exp Animals, Laboratory/ or exp Animal Experimentation/ or exp Models, Animal/ or exp Rodentia/ or (rat or rats or mouse or mice).ti. or editorial/ or letter/ or news/ or Comment/ or exp historical article/ or Anecdotes as Topic/ or Case Reports/ or (letter* or comment* or abstracts).ti.	6414567
7	(1 and 2 and 3 and 4) not 5 not 6	270

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1.2. Uitgangsvraag 2 – Niet-farmacologische therapie

Database(s): Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R) 1946 to Present

Search Strategy:

#	Searches	Results
1	exp Gastroesophageal Reflux/ or esophagitis/ or esophagitis, peptic/ or (gastroesophageal adj reflux).ti,ab. or (gastroesophageal adj reflux).ti,ab. or (gastro esophageal adj reflux).ti,ab. or (gastro oesophageal adj reflux).ti,ab. or (GORD or GOR or GERD or GER).ti,ab. or (esophagitis or oesophagitis).ti,ab,kw. or (gastric adj3 (acid or reflux)).ti,ab. or (reflux adj (oesophagitis or esophagitis)).ti,ab. or (erosive adj3 (oesophag* or esophag*)).ti,ab.	50180
2	adolescent/ or child/ or child, preschool/ or infant/ or infant, newborn/ or infant, low birth weight/ or infant, postmature/ or infant, premature/ or exp Pediatrics/ or (child* or infant* or infancy or newborn* or neonat* or baby or babies or preschool or pre school or pubescen* or teen* or adolescen* or puber* or prepubert* or juvenil* or p?ediatric* or youth* or schoolchild* or school age* or schoolage* or preschool or pre-school or elementary school or high school* or highschool* or kindergar* or boy or boys or girl* or minor* or underag* or under ag* or kid or kids or toddler*).ti,ab.	3665581
3	exp Complementary Therapies/ or exp Food/ or exp Food Additives/ or food, formulated/ or infant formula/ or Milk/ or Diet/ or exp Posture/ or Muscle Relaxation/ or exp dietary supplements/ or Smoking/ae, pc or Tobacco Smoke Pollution/ae, pc or exp Life Style/ or weight gain/ or weight loss/ or exp Parents/ed	1559140
4	(non-pharmacologic* or nonpharmacologic* or position* or postur* or alcohol or overweight or life style* or lifestyle* or diet* or milk* or soy* or smok* or tobacco* or weight loss* or weight gain or homeopath* or massag* or oil* or acupunctur* or hypnother*).ti,ab,kw.	1626093
5	(parent* adj3 (guid* or support* or educ* or teaching)).ti,ab,kw.	14950
6	((complementary or alternative) adj3 (therap* or treatment* or option* or intervention* or medicin*)).ti,ab,kw.	52247
7	((food or feed*) adj3 (modification* or advice* or intervention* or thicke* or alteration*)).ti,ab,kw.	3483
8	3 or 4 or 5 or 6 or 7	2768606
9	1 and 2 and 8	2236
10	Animals/ not Humans/	3961836
11	exp Animals, Laboratory/ or exp Animal Experimentation/ or exp Models, Animal/ or exp Rodentia/ or (rat or rats or mouse or mice).ti. or editorial/ or letter/ or news/ or Comment/ or exp historical article/ or Anecdotes as Topic/ or Case Reports/ or (letter* or comment* or abstracts).ti.	6408977
12	9 not 10 not 11	1930
13	limit 12 to yr="2008 -Current"	713

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Database(s): **Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R) 1946 to Present**
 Search Strategy:

#	Searches	Results
1	exp Gastroesophageal Reflux/ or esophagitis/ or esophagitis, peptic/ or (gastroesophageal adj reflux).ti,ab. or (gastrooesophageal adj reflux).ti,ab. or (gastro esophageal adj reflux).ti,ab. or (gastro oesophageal adj reflux).ti,ab. or (GORD or GOR or GERD or GER).ti,ab. or (esophagitis or oesophagitis).ti,ab,kw. or (gastric adj3 (acid or reflux)).ti,ab. or (reflux adj (oesophagitis or esophagitis)).ti,ab. or (erosive adj3 (oesophag* or esophag*)).ti,ab.	50180
2	adolescent/ or child/ or child, preschool/ or infant/ or infant, newborn/ or infant, low birth weight/ or infant, postmature/ or infant, premature/ or exp Pediatrics/ or (child* or infant* or infancy or newborn* or neonat* or baby or babies or preschool or pre school or pubescen* or teen* or adolescen* or puber* or prepubert* or juvenil* or p?ediatric* or youth* or schoolchild* or school age* or schoolage* or preschool or pre-school or elementary school or high school* or highschool* or kindergar* or boy or boys or girl* or minor* or underag* or under ag* or kid or kids or toddler*).ti,ab.	3665581
3	probiotics/ or prebiotics/ or (probiotic* or prebiotic* or pro-biotic* or pre-biotic*).ti,ab,kw.	17368
4	Animals/ not Humans/	3961836
5	exp Animals, Laboratory/ or exp Animal Experimentation/ or exp Models, Animal/ or exp Rodentia/ or (rat or rats or mouse or mice).ti. or editorial/ or letter/ or news/ or Comment/ or exp historical article/ or Anecdotes as Topic/ or Case Reports/ or (letter* or comment* or abstracts).ti.	6408977
6	1 and 2 and 3	27
7	6 not 4 not 5	17

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1.3. Uitgangsvraag 3 – Farmacologische therapie

Database(s): Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R) 1946 to Present

Search Strategy:

#	Searches	Results
1	exp Gastroesophageal Reflux/ or esophagitis/ or esophagitis, peptic/ or (gastroesophageal adj reflux).ti,ab. or (gastrooesophageal adj reflux).ti,ab. or (gastro esophageal adj reflux).ti,ab. or (gastro oesophageal adj reflux).ti,ab. or (GORD or GOR or GERD or GER).ti,ab. or (esophagitis or oesophagitis).ti,ab,kw. or (gastric adj3 (acid or reflux)).ti,ab. or (reflux adj (oesophagitis or esophagitis)).ti,ab. or (erosive adj3 (oesophag* or esophag*)).ti,ab.	50185
2	adolescent/ or child/ or child, preschool/ or infant/ or infant, newborn/ or infant, low birth weight/ or infant, postmature/ or infant, premature/ or exp Pediatrics/ or (child* or infant* or infancy or newborn* or neonat* or baby or babies or preschool or pre school or pubescen* or teen* or adolescen* or puber* or prepubert* or juvenil* or p?ediatric* or youth* or schoolchild* or school age* or schoolage* or preschool or pre-school or elementary school or high school* or highschool* or kindergar* or boy or boys or girl* or minor* or underag* or under ag* or kid or kids or toddler*).ti,ab.	3666035
3	Antacids/ or Alginates/ or exp Proton Pump Inhibitors/ or Ranitidine/ or Nizatidine/ or Cimetidine/ or Famotidine/ or lansoprazole/ or omeprazole/ or esomeprazole/ or rabeprazole/ or cisapride/ or domperidone/ or Metoclopramide/ or erythromycin/ or azithromycin/ or clarithromycin/ or exp Histamine H2 Antagonists/ or Aluminum Hydroxide/ or sodium bicarbonate/ or calcium carbonate/ or (alginate* or gaviscon or almagate or almax or tisacid or magnesium hydroxide or brucite or magnesium hydrate or milk of magnesia or aluminum hydroxide or aldrex or algeldrate or alhydrogel or aloh-gel or alternagel or alu-cap or alu-tab or alugel or amphojel or andursil or brasivil or dialume or hydrated alumina or rocgel or maalox* or co-magaldrox or alucol or (alumina and magnesia) or aluminum hydroxide-magnesium hydroxide or aluminum magnesium hydroxide or co-magaldrox or magnesium aluminum hydroxide or maldroxal or mintox or novalucol or supralox or H2 antagonist* or ranitidin* or bicitridin or pylorid or raniberl or ranisen or rantec or sostril or tritec or zantac or cimetidine or altramet or biomet or histodil or tagamet or zita or famotidine or pepcid or ym 11170 or PPI or PPIs or proton pump inhibitor* or lansoprazol* or dexlansoprazole or agopton or lanzoprazol* or lanzor or prevacid or takepron or zoton or pantoprazole or protonix or pantozol or pantoloc or controloc or omeprazole or losec or nexium or prilosec or rapinex or zegerid or OMEZ or antra or mopral or rabeprazole or aciphex or dexrabeprazole or pariet or esomeprazol* or nexium or nexiam or metoclopramide or cerucal or degan or gastrobid continus or gastromax or maxolon or maxeran or metaclopramide or octamide or primperan or reglan or rimetin or domperidon* or motilium or kw 5338 or erythromycin or aknemycin or T stat or e-base or emycin or emgel or eryc or eryderm or erythro or erythroped or gallimycin or ilosone or ilotycin or monomycin or romycin or staticin or stiemycin or theramycin or	125965

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	wyamycin or bethanechol or bethanecol or myotonine or urecholine or sucralfate or aluminum sucrose sulfate or antepsin or carafate or sutra or sulcrate or ulcogant or ulsanic or nizatidine or cisapride or azithromycin or clarithromycin or prokinetic agent* or prokinetic* or hydrotalcite or asilone or gastrocote or topal or sodium alginate* or altacite or sodium bicarbonate).ti,ab,kw. or (sodium adj alginate*).ti,ab,kw.	
4	exp clinical trial/ or exp randomized controlled trial/ or controlled clinical trial/ or exp clinical trials as topic/ or exp randomized controlled trials as topic/ or Random Allocation/ or double-blind method/ or single-blind method/ or multicenter study/ or (random* or placebo).ti,ab,kw. or trial.ti.	1517636
5	Animals/ not Humans/	3961836
6	exp Animals, Laboratory/ or exp Animal Experimentation/ or exp Models, Animal/ or exp Rodentia/ or (rat or rats or mouse or mice).ti. or editorial/ or letter/ or news/ or Comment/ or exp historical article/ or Anecdotes as Topic/ or Case Reports/ or (letter* or comment* or abstracts).ti.	6409431
7	(1 and 2 and 3 and 4) not 5 not 6	669
8	limit 7 to yr="2008 -Current"	202

Database(s): **Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R)** 1946 to Present

Search Strategy:

#	Searches	Results
1	exp Gastroesophageal Reflux/ or esophagitis/ or esophagitis, peptic/ or (gastroesophageal adj reflux).ti,ab. or (gastrooesophageal adj reflux).ti,ab. or (gastro esophageal adj reflux).ti,ab. or (gastro oesophageal adj reflux).ti,ab. or (GORD or GOR or GERD or GER).ti,ab. or (esophagitis or oesophagitis).ti,ab,kw. or (gastric adj3 (acid or reflux)).ti,ab. or (reflux adj (oesophagitis or esophagitis)).ti,ab. or (erosive adj3 (oesophag* or esophag*)).ti,ab.	50185
2	adolescent/ or child/ or child, preschool/ or infant/ or infant, newborn/ or infant, low birth weight/ or infant, postmature/ or infant, premature/ or exp Pediatrics/ or (child* or infant* or infancy or newborn* or neonat* or baby or babies or preschool or pre school or pubescen* or teen* or adolescen* or puber* or prepubert* or juvenil* or p?ediatric* or youth* or schoolchild* or school age* or schoolage* or preschool or pre-school or elementary school or high school* or highschool* or kindergar* or boy or boys or girl* or minor* or underag* or under ag* or kid or kids or toddler*).ti,ab.	3666035
3	Antacids/ or Alginates/ or exp Proton Pump Inhibitors/ or Ranitidine/ or Nizatidine/ or Cimetidine/ or Famotidine/ or lansoprazole/ or omeprazole/ or esomeprazole/ or rabeprazole/ or cisapride/ or domperidone/ or Metoclopramide/ or erythromycin/ or azithromycin/ or clarithromycin/ or exp Histamine H2 Antagonists/ or Aluminum Hydroxide/ or sodium bicarbonate/ or calcium carbonate/ or (alginate* or gaviscon or almagate or almax or tisacid or magnesium hydroxide or brucite or magnesium hydrate or milk of magnesia or aluminum hydroxide or aldrex or algedrate or alhydrogel or aloh-gel or alternagel or alu-cap or alu-tab or alugel or amphojel or andursil or	125965

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	brasivil or dialume or hydrated alumina or rocgel or maalox* or co-magaldrox or alucol or (alumina and magnesia) or aluminum hydroxide-magnesium hydroxide or aluminum magnesium hydroxide or co-magaldrox or magnesium aluminum hydroxide or maldroxal or mintox or novalucol or supralox or H2 antagonist* or ranitidin* or biotidin or pylorid or raniberl or ranisen or rantec or sostril or tritec or zantac or cimetidine or altramet or biomet or histodil or tagamet or zita or famotidine or pepcid or ym 11170 or PPI or PPIs or proton pump inhibitor* or lansoprazol* or dexlansoprazole or agopton or lanzoprazol* or lanzor or prevacid or takepron or zoton or pantoprazole or protonix or pantozol or pantoloc or controloc or omeprazole or losec or nexium or prilosec or rapinex or zegerid or OMEZ or antra or mopral or rabeprazole or aciphex or dexrabeprazole or pariet or esomeprazol* or nexium or nexiam or metoclopramide or cerucal or degan or gastrobid continus or gastromax or maxolon or maxeran or metaclopramide or octamide or primperan or reglan or rimetin or domperidon* or motilium or kw 5338 or erythromycin or aknemycin or T stat or e-base or emycin or emgel or eryc or eryderm or erythro or erythroped or gallimycin or ilosone or ilotycin or monomycin or romycin or staticin or stiemycin or theramycin or wyamycin or bethanecol or bethanecol or myotonine or urecholine or sucralfate or aluminum sucrose sulfate or antepsin or carafate or sutra or sulcrate or ulcogant or ulsanic or nizatidine or cisapride or azithromycin or clarithromycin or prokinetic agent* or prokinetic* or hydrotalcite or asilone or gastrocote or topal or sodium alginate* or altacite or sodium bicarbonate).ti,ab,kw. or (sodium adj alginate*).ti,ab,kw.	
4	meta-analysis as topic/ or Meta-Analysis/ or meta analy\$.tw. or metaanaly\$.tw. or (systematic adj (review\$1 or overview\$1)).tw. or exp Review Literature as Topic/ or cochrane.ab. or embase.ab. or (psychlit or psyclit).ab. or (psychinfo or psycinfo).ab. or (cinahl or cinhal).ab. or science citation index.ab. or bids.ab. or cancerlit.ab. or reference list\$.ab. or bibliograph\$.ab. or hand-search\$.ab. or relevant journals.ab. or manual search\$.ab. or ((selection criteria or data extraction).ab. and Review/)	175717
5	Animals/ not Humans/	3961836
6	exp Animals, Laboratory/ or exp Animal Experimentation/ or exp Models, Animal/ or exp Rodentia/ or (rat or rats or mouse or mice).ti. or editorial/ or letter/ or news/ or Comment/ or exp historical article/ or Anecdotes as Topic/ or Case Reports/ or (letter* or comment* or abstracts).ti.	6409431
7	(1 and 2 and 3 and 4) not 5 not 6	64
8	(1 and 2 and 3) not 5 not 6	1624
9	limit 8 to systematic reviews	88
10	7 or 9	100
11	limit 10 to yr="2008 -Current"	48