

Draft

Pancreatitis

Search strategies appendix

NICE guideline

Appendices

15 January 2018

Draft

*Commissioned by the National Institute for
Health and Care Excellence*

Disclaimer

Healthcare professionals are expected to take NICE guidelines fully into account when exercising their clinical judgement. However, the guidance does not override the responsibility of healthcare professionals to make decisions appropriate to the circumstances of each patient, in consultation with the patient and, where appropriate, their guardian or carer.

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Appendix A: Literature search strategies

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Search strategies used for the pancreatitis guideline are outlined below and were run in accordance with the methodology in the NICE guidelines manual 2014, available from <https://www.nice.org.uk/article/pmg20/>. All searches were run up to 28 September 2017 unless otherwise stated. Any studies added to the databases after this date (even those published prior to

this date) were not included unless specifically stated in the text. Where possible searches were limited to retrieve material published in English.

Table 1: Database date parameters

Database	Dates searched
Medline	1990 – 28 September 2017
Embase	1990 – 28 September 2017
The Cochrane Library	Cochrane Reviews from 1990 to 2017 Issue 10 of 12 CENTRAL from 1990 to 2017 Issue 9 of 12 DARE and NHSEED to from 1990 to 2015 Issue 2 of 4 HTA from 1990 to 2016 Issue 4 of 4
CINAHL	1990– 28 September 2017
PsycINFO	1990– 28 September 2017

Searches for the **clinical reviews** were run in Medline (OVID), Embase (OVID) and the Cochrane Library (Wiley). Additional searches were run in CINAHL, Current Nursing and Allied Health Literature (EBSCO)and PsycINFO (ProQuest). Searches for **intervention and diagnostic studies** were usually constructed using a PICO format where population (P) terms were combined with Intervention (I) and sometimes Comparison (C) terms. An intervention can be a drug, a procedure or a diagnostic test. Outcomes (O) are rarely used in search strategies for interventions. Search filters were also added to the search where appropriate.

Searches for **patient views** were run in Medline, Embase, CINAHL and PsycINFO. Searches were constructed by adding a patient views search filter to the population terms.

Table 2: Databases searched

Question	Question number	Databases
Acute aetiology	0	Medline, Embase, The Cochrane Library, PsycINFO
Antimicrobial prophylaxis	0	Medline, Embase, The Cochrane Library, PsycINFO
Biliary obstruction	0	Medline, Embase, The Cochrane Library, PsycINFO
Chronic aetiology	0	Medline, Embase, The Cochrane Library, PsycINFO
Chronic diagnosis	0	Medline, Embase, The Cochrane Library, PsycINFO
Diabetes	0	Medline, Embase, The Cochrane Library, PsycINFO
Follow up: pancreatic cancer	0	Medline, Embase, The Cochrane Library, PsycINFO
Follow up: pancreatic function	0	Medline, Embase, The Cochrane Library, PsycINFO
Information and support	A.4.1	Medline, Embase, CINAHL, PsycINFO
IV fluid management	A.4.6	Medline, Embase, The Cochrane Library, PsycINFO
Lifestyle: alcohol	0	Medline, Embase, The Cochrane Library, PsycINFO
Necrosis	0	Medline, Embase, The Cochrane

Question	Question number	Databases
		Library, PsycINFO
Nutrition support	0	Medline, Embase, The Cochrane Library, PsycINFO
Pain management	0	Medline, Embase, The Cochrane Library, PsycINFO
Pancreatic ascites and pleural effusion	0	Medline, Embase, The Cochrane Library, PsycINFO
Specialist assessment	0	Medline, Embase, The Cochrane Library, PsycINFO

Searches for the health economic reviews were run in Medline, Embase, the NHS Economic Evaluations Database (NHS EED) and the Health Technology Assessment (HTA) database. NHS EED and HTA databases are hosted by the Centre for Research and Dissemination (CRD). The NHS EED database has not been updated since 2015.

For Medline and Embase an economic filter (instead of a study type filter) was added to the same clinical search strategy. Searches in CRD were constructed using population terms only.

A.2 Population search strategies

A.2.1 Standard pancreatitis population

The standard population was not used in questions 0 and 0. Question 0 used both the standard population and the chronic pancreatitis population.

Medline and Embase search terms

1.	exp pancreatitis/
2.	exp pancreas/
3.	inflammation/
4.	2 and 3
5.	pancreatitis.ti,ab.
6.	(pancrea* adj3 inflam*).ti,ab.
7.	or/1,4-6

Cochrane search terms

#1.	MeSH descriptor: (pancreatitis) explode all trees
#2.	MeSH descriptor: (pancreas) explode all trees
#3.	MeSH descriptor: (inflammation) this term only
#4.	#2 and #3
#5.	pancreatitis:ti,ab
#6.	(pancrea* near/3 inflam*):ti,ab
#7.	#1 or #4 or #5 or #6

CINAHL search terms

S1.	(MH "pancreatitis+")
S2.	(MH "pancreas+")
S3.	(MH "inflammation+")
S4.	S2 and S3
S5.	T1 pancreatitis or AB pancreatitis

S6.	AB (pancrea* n3 inflam*) or TI (pancrea* n3 inflam*)
S7.	S1 or S4 or S5 or S6

PsycINFO search terms

1.	pancrea*
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CRD search terms

1.	MeSH descriptor pancreatitis explode all trees
2.	MeSH descriptor pancreas explode all trees
3.	MeSH descriptor inflammation explode all trees
4.	#2 and #3
5.	(pancreatitis)
6.	((pancrea* adj3 inflam*))
7.	#1 or #4 or #5 or #6

A.2.2 Chronic pancreatitis population

This population was used in questions 0, 0 and 0

Medline search terms

1.	exp pancreatitis, chronic/ or exp pancreatitis, alcoholic/
2.	exp pancreas/
3.	inflammation/
4.	2 and 3
5.	chronic pancreatitis.ti,ab.
6.	(pancrea* adj3 (autoimmun* or heredit* or inflam*).ti,ab.
7.	or/1,4-6

Embase search terms

1.	exp alcoholic pancreatitis/ or exp chronic pancreatitis/
2.	exp autoimmune pancreatitis/
3.	exp pancreas/
4.	inflammation/
5.	3 and 4
6.	chronic pancreatitis.ti,ab.
7.	(pancrea* adj3 (heredit* or inflam*).ti,ab.
8.	1 or 2 or 5 or 6 or 7

Cochrane search terms

#1.	MeSH descriptor: (pancreatitis, chronic) explode all trees
#2.	MeSH descriptor: (pancreatitis, alcoholic) explode all trees
#3.	MeSH descriptor: (pancreas) explode all trees
#4.	MeSH descriptor: (inflammation) explode all trees
#5.	#3 and #4
#6.	chronic pancreatitis:ti,ab
#7.	(pancrea* near/3 (autoimmun* or heredit* or inflam*)):ti,ab
#8.	#1 or #2 or #5 or #6 or #7

A.3 Study filter search terms

A.3.1 Excluded study designs and publication types

The following study designs and publication types were removed from retrieved results using the NOT operator.

Medline search terms

1.	letter/
2.	editorial/
3.	news/
4.	exp historical article/
5.	anecdotes as topic/
6.	comment/
7.	case report/
8.	(letter or comment*).ti.
9.	or/1-8
10.	randomized controlled trial/ or random*.ti,ab.
11.	9 not 10
12.	animals/ not humans/
13.	exp animals, laboratory/
14.	exp animal experimentation/
15.	exp models, animal/
16.	exp rodentia/
17.	(rat or rats or mouse or mice).ti.
18.	or/11-17

Embase search terms

1.	letter.pt. or letter/
2.	note.pt.
3.	editorial.pt.
4.	case report/ or case study/
5.	(letter or comment*).ti.
6.	or/1-5
7.	randomized controlled trial/ or random*.ti,ab.
8.	6 not 7
9.	animal/ not human/
10.	nonhuman/
11.	exp animal experiment/
12.	exp experimental animal/
13.	animal model/
14.	exp rodent/
15.	(rat or rats or mouse or mice).ti.
16.	or/8-15

CINAHL search terms

S1.	pt anecdote or pt audiovisual or pt bibliography or pt biography or pt book or pt book review
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	or pt brief item or pt cartoon or pt commentary or pt computer program or pt editorial or pt games or pt glossary or pt historical material or pt interview or pt letter or pt listservs or pt masters thesis or pt obituary or pt pamphlet or pt pamphlet chapter or pt pictorial or pt poetry or pt proceedings or pt "questions and answers" or pt response or pt software or pt teaching materials or pt website
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PsycINFO (ProQUEST) search terms

1.	(su.exact.explode("rodents") or su.exact.explode("mice") or (su.exact("animals") not (su.exact("human males") or su.exact("human females")))) or ti(rat or rats or mouse or mice))
2.	Limits applied: Books, Letter; Dissertation Abstract; Comment/Reply; Obituary; Editorial

A.3.2 Randomised controlled trials (RCT)

Medline search terms

(Based on the sensitivity and precision maximising version reported in the Cochrane Handbook (<http://handbook.cochrane.org/>)).

1.	randomized controlled trial.pt.
2.	controlled clinical trial.pt.
3.	randomi#ed.ti,ab.
4.	placebo.ab.
5.	randomly.ab.ti
6.	clinical trials as topic.sh.
7.	trial.ti.
8.	or/1-7

Embase search terms

1.	random*.ti,ab.
2.	factorial*.ti,ab.
3.	(crossover* or cross over*).ti,ab.
4.	((doubl* or singl*) adj blind*).ti,ab.
5.	(assign* or allocat* or volunteer* or placebo*).ti,ab.
6.	crossover procedure/
7.	double blind procedure/
8.	single blind procedure/
9.	randomized controlled trial/
10.	or/1-9

A.3.3 Systematic reviews (SR)

Medline search terms

1.	meta-analysis/
2.	meta-analysis as topic/
3.	(meta analy* or metanaly* or metaanaly*).ti,ab.
4.	((systematic* or evidence*) adj3 (review* or overview*)).ti,ab.
5.	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
6.	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
7.	(search* adj4 literature).ab.

8.	(medline or pubmed or cochrane or embase or psychlit or psyclit or psychinfo or psycinfo or cinahl or science citation index or bids or cancerlit).ab.
9.	cochrane.jw.
10.	((multiple treatment* or indirect or mixed) adj2 comparison*).ti,ab.
11.	or/1-10

Embase search terms

1.	systematic review/
2.	meta-analysis/
3.	(meta analy* or metanaly* or metaanaly*).ti,ab.
4.	((systematic or evidence) adj3 (review* or overview*)).ti,ab.
5.	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
6.	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
7.	(search* adj4 literature).ab.
8.	(medline or pubmed or cochrane or embase or psychlit or psyclit or psychinfo or psycinfo or cinahl or science citation index or bids or cancerlit).ab.
9.	cochrane.jw.
10.	((multiple treatment* or indirect or mixed) adj2 comparison*).ti,ab.
11.	or/1-10

A.3.4 Health economic studies (HE)

Medline search terms

1.	economics/
2.	value of life/
3.	exp "costs and cost analysis"/
4.	exp economics, hospital/
5.	exp economics, medical/
6.	economics, nursing/
7.	economics, pharmaceutical/
8.	exp "fees and charges"/
9.	exp budgets/
10.	budget*.ti,ab.
11.	cost*.ti.
12.	(economic* or pharmaco?economic*).ti.
13.	(price* or pricing*).ti,ab.
14.	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
15.	(financ* or fee or fees).ti,ab.
16.	(value adj2 (money or monetary)).ti,ab.
17.	or/1-16

Embase search terms

1.	health economics/
2.	exp economic evaluation/
3.	exp health care cost/
4.	exp fee/
5.	budget/

6.	funding/
7.	budget*.ti,ab.
8.	cost*.ti.
9.	(economic* or pharmaco?economic*).ti.
10.	(price* or pricing*).ti,ab.
11.	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
12.	(financ* or fee or fees).ti,ab.
13.	(value adj2 (money or monetary)).ti,ab.
14.	or/1-13

A.3.5 Quality of life studies (QoL)

Medline search terms

1.	quality-adjusted life years/
2.	sickness impact profile/
3.	(quality adj2 (wellbeing or well-being)).ti,ab.
4.	sickness impact profile.ti,ab.
5.	disability adjusted life.ti,ab.
6.	(qal* or qtime* or qwb* or daly*).ti,ab.
7.	(euroqol* or eq5d* or eq 5d*).ti,ab.
8.	(qol* or hql* or hqol* or h qol* or hrqol* or hr qol*).ti,ab.
9.	(health utility* or utility score* or disutilit*).ti,ab.
10.	(hui or hui1 or hui2 or hui3).ti,ab.
11.	health* year* equivalent*.ti,ab.
12.	(hye or hyes).ti,ab.
13.	rosser.ti,ab.
14.	(willingness to pay or time tradeoff or time trade off or tto or standard gamble*).ti,ab.
15.	(sf36 or sf 36 or short form 36 or shortform 36 or shortform36).ti,ab.
16.	(sf20 or sf 20 or short form 20 or shortform 20 or shortform20).ti,ab.
17.	(sf12 or sf 12 or short form 12 or shortform 12 or shortform12).ti,ab.
18.	(sf8 or sf 8 or short form 8 or shortform 8 or shortform8).ti,ab.
19.	(sf6 or sf 6 or short form 6 or shortform 6 or shortform6).ti,ab.
20.	or/1-19

Embase search terms

1.	quality adjusted life year/
2.	"quality of life index"/
3.	short form 12/ or short form 20/ or short form 36/ or short form 8/
4.	sickness impact profile/
5.	(quality adj2 (wellbeing or well-being)).ti,ab.
6.	sickness impact profile.ti,ab.
7.	disability adjusted life.ti,ab.
8.	(qal* or qtime* or qwb* or daly*).ti,ab.
9.	(euroqol* or eq5d* or eq 5d*).ti,ab.
10.	(qol* or hql* or hqol* or h qol* or hrqol* or hr qol*).ti,ab.
11.	(health utility* or utility score* or disutilit*).ti,ab.

12.	(hui or hui1 or hui2 or hui3).ti,ab.
13.	health* year* equivalent*.ti,ab.
14.	(hye or hyes).ti,ab.
15.	rosser.ti,ab.
16.	(willingness to pay or time tradeoff or time trade off or tto or standard gamble*).ti,ab.
17.	(sf36 or sf 36 or short form 36 or shortform 36 or shortform36).ti,ab.
18.	(sf20 or sf 20 or short form 20 or shortform 20 or shortform20).ti,ab.
19.	(sf12 or sf 12 or short form 12 or shortform 12 or shortform12).ti,ab.
20.	(sf8 or sf 8 or short form 8 or shortform 8 or shortform8).ti,ab.
21.	(sf6 or sf 6 or short form 6 or shortform 6 or shortform6).ti,ab.
22.	or/1-21

A.3.6 Diagnostic test accuracy studies (DIAG)

Medline search terms

1.	exp "sensitivity and specificity"/
2.	(sensitivity or specificity).ti,ab.
3.	((pre test or pretest or post test) adj probability).ti,ab.
4.	(predictive value* or ppv or npv).ti,ab.
5.	likelihood ratio*.ti,ab.
6.	likelihood function/
7.	(roc curve* or auc).ti,ab.
8.	(diagnos* adj3 (performance* or accurac* or utilit* or value* or efficien* or effectiveness)).ti,ab.
9.	gold standard.ab.
10.	or/1-9

Embase search terms

1.	exp "sensitivity and specificity"/
2.	(sensitivity or specificity).ti,ab.
3.	((pre test or pretest or post test) adj probability).ti,ab.
4.	(predictive value* or ppv or npv).ti,ab.
5.	likelihood ratio*.ti,ab.
6.	(roc curve* or auc).ti,ab.
7.	(diagnos* adj3 (performance* or accurac* or utilit* or value* or efficien* or effectiveness)).ti,ab.
8.	diagnostic accuracy/
9.	diagnostic test accuracy study/
10.	gold standard.ab.
11.	or/1-10

A.3.7 Observational studies (OBS)

Medline search terms

1.	epidemiologic studies/
2.	observational study/
3.	exp cohort studies/

4.	(cohort adj (study or studies or analys* or data)).ti,ab.
5.	((follow up or observational or uncontrolled or non randomi#ed or epidemiologic*) adj (study or studies or data)).ti,ab.
6.	((longitudinal or retrospective or prospective or cross sectional) and (study or studies or review or analys* or cohort* or data)).ti,ab.
7.	controlled before-after studies/
8.	historically controlled study/
9.	interrupted time series analysis/
10.	(before adj2 after adj2 (study or studies or data)).ti,ab.
11.	or/1-10
12.	exp case control study/
13.	case control*.ti,ab.
14.	or/12-13
15.	11 or 14
16.	cross-sectional studies/
17.	(cross sectional and (study or studies or review or analys* or cohort* or data)).ti,ab.
18.	or/16-17
19.	11 or 18
20.	11 or 15 or 18

Embase search terms

1.	Clinical study/
2.	Observational study/
3.	family study/
4.	longitudinal study/
5.	retrospective study/
6.	prospective study/
7.	cohort analysis/
8.	follow-up/
9.	cohort*.ti,ab.
10.	88 and 89
11.	(cohort adj (study or studies or analys* or data)).ti,ab.
12.	((follow up or observational or uncontrolled or non randomi#ed or epidemiologic*) adj (study or studies or data)).ti,ab.
13.	((longitudinal or retrospective or prospective or cross sectional) and (study or studies or review or analys* or cohort* or data)).ti,ab.
14.	(before adj2 after adj2 (study or studies or data)).ti,ab.
15.	or/1-7,10-14
16.	exp case control study/
17.	case control*.ti,ab.
18.	or/16-17
19.	15 or 18
20.	cross-sectional study/
21.	(cross sectional and (study or studies or review or analys* or cohort* or data)).ti,ab.
22.	or/20-21
23.	15 or 22

24.	15 or 18 or 22
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A.3.8 Qualitative reviews (QUAL)

Medline search terms

1.	qualitative research/ or narration/ or exp interviews as topic/ or exp questionnaires/ or health care surveys/
2.	(qualitative or interview* or focus group* or theme* or questionnaire* or survey*).ti,ab.
3.	(metasynthes* or meta-synthes* or metasummar* or meta-summar* or metastud* or meta-stud* or metathem* or meta-them* or ethno* or emic or etic or phenomenolog* or grounded theory or constant compar* or (thematic* adj3 analys*) or theoretical sampl* or purposive sampl* or hermeneutic* or heidegger* or husserl* or colaizzi* or van kaam* or van manen* or giorgi* or glaser* or strauss* or ricoeur* or spiegelberg* or merleau*).ti,ab.
4.	or/1-3

Embase search terms

1.	health survey/ or exp questionnaire/ or exp interview/ or qualitative research/ or narrative/
2.	(qualitative or interview* or focus group* or theme* or questionnaire* or survey*).ti,ab.
3.	(metasynthes* or meta-synthes* or metasummar* or meta-summar* or metastud* or meta-stud* or metathem* or meta-them* or ethno* or emic or etic or phenomenolog* or grounded theory or constant compar* or (thematic* adj3 analys*) or theoretical sampl* or purposive sampl* or hermeneutic* or heidegger* or husserl* or colaizzi* or van kaam* or van manen* or giorgi* or glaser* or strauss* or ricoeur* or spiegelberg* or merleau*).ti,ab.
4.	or/1-3

CINAHL search terms

S1.	(mh "qualitative studies+")
S2.	(mh "qualitative validity+")
S3.	(mh "interviews+") or (mh "focus groups") or (mh "surveys") or (mh "questionnaires+")
S4.	(qualitative or interview* or focus group* or theme* or questionnaire* or survey*)
S5.	(metasynthes* or meta-synthes* or metasummar* or meta-summar* or metastud* or meta-stud* or metathem* or meta-them* or ethno* or emic or etic or phenomenolog* or grounded theory or constant compar* or (thematic* adj3 analys*) or theoretical sampl* or purposive sampl* or hermeneutic* or heidegger* or husserl* or colaizzi* or van kaam* or van manen* or giorgi* or glaser* or strauss* or ricoeur* or spiegelberg* or merleau*)
S6.	S1 or s2 or S3 or S4 or S5

A.4 Searches for specific questions

A.4.1 Information and support

What information and support should people with acute or chronic pancreatitis, their family and carers receive after diagnosis?

Medline search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
5.	caregivers/ or exp family/ or exp parents/ or exp legal-guardians/
6.	patients/ or inpatients/ or outpatients/

7.	or/5-6
8.	popular-works-publication-type/ or exp information-services/ or publications/ or books/ or pamphlets/ or counseling/ or directive-counseling/
9.	7 and 8
10.	patient education as topic/
11.	consumer health information/
12.	patient satisfaction/
13.	exp consumer-satisfaction/
14.	personal-satisfaction/
15.	patient participation/
16.	decision making/
17.	access to information/
18.	exp patient-acceptance-of-health-care/
19.	((caregiver* or carer* or client* or customer* or famil* or father* or guardian* or mother* or next of kin or parent* or patient* or relatives or spouse or user*) adj6 (attitude* or belief* or believe* or choice* or choos* or decid* or decision* or expectation* or feeling* or interpret* or involvement or misconception* or misconception* or mis-conception* or misunderstand* or mis-understand* or need or needs or opinion* or perception* or perspective* or preferen* or priorit* or satisfact* or understand* or view*)).ti,ab.
20.	((caregiver* or carer* or client* or customer* or famil* or father* or guardian* or mother* or next of kin or parent* or patient* or relatives or spouse or user*) adj6 (advi?e* or communicat* or consult* or convers* or counsel* or discuss* or educat* or inform* or involve* or knowledge or learn* or psycholog* or support*)).ti,ab.
21.	((advi?e* or communicat* or consult* or convers* or counsel* or discuss* or educat* facilitat* or inform* or involve* or knowledge or learn* or psycholog* or support*) adj6 (access* or arrang* or barrier* or deliver* or disseminat* or establish* or facilitat* or need or needs or offer* or provide* or provision* or requirement* or seek* or support)).ti,ab.
22.	((caregiver* or carer* or client* or customer* or famil* or father* or guardian* or mother* or next of kin or parent* or patient* or relatives or spouse or user*) adj6 (bluetooth or booklet* or brochure* or computer* or digital* or dvd* or email* or e-mail* or handout* or interactive* or internet or leaflet* or literature or manual* or mobile health or pamphlet* or phone* or program* or publication* or resource* or smartphone* or social media or social network* or sms or telephone* or text* or video* or web page* or web site* or webpage* or website* or wireless)).ti,ab.
23.	or/9-22
24.	Study filter QUAL (A.3.8)
25.	4 and 23 and 24
	Date parameters: 1946-28 September 2017

Embase search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
5.	patient/ or hospital patient/ or outpatient/
6.	caregiver/ or exp family/ or exp parent/
7.	5 or 6
8.	information service/ or information center/ or publication/ or book/ or counseling/ or directive counseling/
9.	7 and 8

10.	patient education/
11.	consumer health information/
12.	patient satisfaction/
13.	patient participation/
14.	decision making/
15.	patient preference/
16.	patient attitude/
17.	patient information/
18.	((caregiver* or carer* or client* or customer* or famil* or father* or guardian* or mother* or next of kin or parent* or patient* or relatives or spouse or user*) adj6 (attitude* or belief* or believe* or choice* or choos* or decid* or decision* or expectation* or feeling* or interpret* or involvement or misconception* or misconception* or mis-conception* or misunderstand* or mis-understand* or need or needs or opinion* or perception* or perspective* or preferen* or priorit* or satisfact* or understand* or view*)).ti,ab.
19.	((advise* or communicat* or consult* or convers* or counsel* or discuss* or educat* or inform* or involve* or knowledge or learn* or psycholog* or support*) adj6 (access* or arrang* or barrier* or deliver* or disseminat* or establish* or facilitat* or need or needs or offer* or provide* or provision* or requirement* or seek* or support)).ti,ab.
20.	((caregiver* or carer* or client* or customer* or famil* or father* or guardian* or mother* or next of kin or parent* or patient* or relatives or spouse or user*) adj6 (advise* or communicat* or consult* or convers* or counsel* or discuss* or educat* or inform* or involve* or knowledge or learn* or psycholog* or support*)).ti,ab.
21.	((caregiver* or carer* or client* or customer* or famil* or father* or guardian* or mother* or next of kin or parent* or patient* or relatives or spouse or user*) adj6 (bluetooth or booklet* or brochure* or computer* or digital* or dvd* or email* or e-mail* or handout* or interactive* or internet or leaflet* or literature or manual* or mobile health or pamphlet* or phone* or program* or publication* or resource* or smartphone* or social media or social network* or sms or telephone* or text* or video* or web page* or web site* or webpage* or website* or wireless)).ti,ab.
22.	or/9-21
23.	Study filter QUAL (A.3.8)
24.	4 and 22 and 23
	Date parameters: 1974-28 September 2017

CINAHL search terms

S1.	Standard population (A.2.1)
S2.	Excluded study designs and publication types (A.3.1)
S3.	1 not 2
S4.	Limit 3 to English language
S5.	(MH "caregivers")
S6.	(MH "family+")
S7.	(MH "parents+")
S8.	(MH "guardianship, legal+")
S9.	(MH "patients+")
S10.	(MH "inpatients")
S11.	(MH "outpatients")
S12.	S5 or S6 or S7 or S8 or S9 or S10 or S11
S13.	(MH "information services+")
S14.	(MH "books") or (MH "reference books") or (MH "literature") or (MH "pamphlets")

S15.	(MH "counseling")
S16.	S13 or S14 or S15
S17.	S12 and S16
S18.	(MH "patient education")
S19.	(MH "consumer health information")
S20.	(MH "patient satisfaction")
S21.	(MH "consumer satisfaction+")
S22.	(MH "personal satisfaction")
S23.	(MH "consumer participation")
S24.	(MH "decision making")
S25.	(MH "access to information")
S26.	TI (((caregiver* or carer* or client* or customer* or famil* or father* or guardian* or mother* or next of kin or parent* or patient* or relatives or spouse or user*) n6 (attitude* or belief* or believe* or choice* or choos* or decid* or decision* or expectation* or feeling* or interpret* or involvement or misconception* or misconception* or mis-conception* or misunderstand* or mis-understand* or need or needs or opinion* or perception* or perspective* or preferen* or priorit* or satisfact* or understand* or view*))) or AB (((caregiver* or carer* or client* or customer* or famil* or father* or guardian* or mother* or next of kin or parent* or patient* or relatives or spouse or user*) n6 (attitude* or belief* or believe* or choice* or choos* or decid* or decision* or expectation* or feeling* or interpret* or involvement or misconception* or misconception* or mis-conception* or misunderstand* or mis-understand* or need or needs or opinion* or perception* or perspective* or preferen* or priorit* or satisfact* or understand* or view*))
S27.	TI (((caregiver* or carer* or client* or customer* or famil* or father* or guardian* or mother* or next of kin or parent* or patient* or relatives or spouse or user*) n6 (advi?e* or communicat* or consult* or convers* or counsel* or discuss* or educat* or inform* or involve* or knowledge or learn* or psycholog* or support*))) or AB (((caregiver* or carer* or client* or customer* or famil* or father* or guardian* or mother* or next of kin or parent* or patient* or relatives or spouse or user*) n6 (advi?e* or communicat* or consult* or convers* or counsel* or discuss* or educat* or inform* or involve* or knowledge or learn* or psycholog* or support*))
S28.	TI (((advi?e* or communicat* or consult* or convers* or counsel* or discuss* or educat* or facilitat* or inform* or involve* or knowledge or learn* or psycholog* or support*) n6 (access* or arrang* or barrier* or deliver* or disseminat* or establish* or facilitat* or need or needs or offer* or provide* or provision* or requirement* or seek* or support))) or AB (((advi?e* or communicat* or consult* or convers* or counsel* or discuss* or educat* or facilitat* or inform* or involve* or knowledge or learn* or psycholog* or support*) n6 (access* or arrang* or barrier* or deliver* or disseminat* or establish* or facilitat* or need or needs or offer* or provide* or provision* or requirement* or seek* or support)))
S29.	TI (((caregiver* or carer* or client* or customer* or famil* or father* or guardian* or mother* or next of kin or parent* or patient* or relatives or spouse or user*) n6 (bluetooth or booklet* or brochure* or computer* or digital* or dvd* or education sheet* or email* or e-mail* or handout* or information sheet* or interactive* or internet or leaflet* or literature or manual* or mobile health or pamphlet* or phone* or program* or publication* or resource* or smartphone* or social media or social network* or SMS or telephone* or text* or video* or web page* or web site* or webpage* or website* or wireless))) or AB ((caregiver* or carer* or client* or customer* or famil* or father* or guardian* or mother* or next of kin or parent* or patient* or relatives or spouse or user*) n6 (bluetooth or booklet* or brochure* or computer* or digital* or dvd* or email* or e-mail* or handout* or interactive* or internet or leaflet* or literature or manual* or mobile health or pamphlet* or phone* or program* or publication* or resource* or smartphone* or social media or social network* or SMS or telephone* or text* or video* or web page* or web site* or webpage* or website* or wireless)))

S30.	S18 or S19 or S20 or S21 or S22 or S23 or S24 or S25 or S26 or S27 or S28 or S9
S31.	S17 or S30
S32.	Study filter QUAL (A.3.8)
S33.	S4 or S31 or S32
	Date parameters: 1981-28 September 2017

PsycINFO search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
	Date parameters: see Table 1

A.4.2 Acute aetiology

- What is the clinical and cost effectiveness of assessing the aetiology of acute pancreatitis to prevent recurrent attacks in people in which the aetiology is unconfirmed by first line test results within normal ranges?

Medline search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
5.	((medic* or drug* or clinical or patient*) adj3 (history or record* or antecedent*)).ti,ab.
6.	medical history taking/
7.	5 or 7
8.	"sphincter of oddi"/
9.	((sphincter of oddi or hepatopancreatic sphincter or glisson's sphincter) adj3 (dysfunction* or failure* or disorder*)).ti,ab.
10.	cholangiopancreatography, endoscopic retrograde/
11.	(endoscopic retrograde cholangiopancreatograph* or ercp).ti,ab.
12.	10 or 11
13.	9 or (8 and 12)
14.	exp immunoglobulins/
15.	immunoglobulin*.ti,ab.
16.	igg*.ti,ab.
17.	exp antibodies, antinuclear/
18.	(autoantibod* or auto-antibod*).ti,ab.
19.	(anti-nuclear antibod* or antinuclear antibod* or ana).ti,ab.
20.	(antinuclear factor* or anti-nuclear factor* or anf).ti,ab.
21.	or/14-20
22.	serologic tests/
23.	hypercalcemia/
24.	hyperlipidemias/
25.	((test* or analysis) adj3 (hypercalc?emia or hyperlipid?emia or serolog* or blood)).ti,ab.
26.	or/22-25
27.	genetic markers/ or genetic testing/

28.	genetic predisposition to disease/
29.	(genetic* adj3 (marker* or test* or predisposition*)).ti,ab.
30.	trypsin/
31.	trypsinogen/
32.	(trypsinogen or trypsin or prss1).ti,ab.
33.	(tati or psti).ti,ab.
34.	chymotrypsin/
35.	(chymotrypsin* or ctrc or cldn2).ti,ab.
36.	cystic fibrosis transmembrane conductance regulator/
37.	(cystic fibrosis transmembrane conductance regulator or cftr).ti,ab.
38.	trypsin inhibitor, kazal pancreatic/
39.	(serine protease inhibitor kazal-type 1 or spink1).ti,ab.
40.	or/27-39
41.	endosonography/
42.	cholangiopancreatography, endoscopic retrograde/
43.	41 or 42
44.	exp biliary tract/
45.	43 and 44
46.	((endoscopic retrograde cholangiopancreatograph* or ercp or endoscopic ultraso* or eus or echo-endoscop* or endosonograph*) adj3 (gall bladder or gallbladder or bil* duct* or gallstone* or cbd or choledoch* or biliary)).ti,ab.
47.	45 or 46
48.	duodenoscopy/
49.	((endoscopic ultraso* or eus or echo-endoscop* or endosonograph*) adj3 ((endoscop* adj3 duodenum) or duodenoscop*)).ti,ab.
50.	or/47-49
51.	cholangiopancreatography, magnetic resonance/
52.	secretin/
53.	51 and 52
54.	(magnetic resonance cholangiopancreatograph* or mrcp or secretin-mrcp).ti,ab.
55.	smrcp.ti,ab.
56.	or/53-55
57.	pancreatitis, acute necrotizing/et (etiology)
58.	(pancrea* adj3 ?etiology).ti,ab.
59.	4 and (7 or 13 or 21 or 26 or 40 or 50 or 56 or 57 or 58)
60.	Study filters RCT (A.3.2) or SR (A.3.3) or OBS (A.3.7)
61.	59 and 60
	Date parameters: see Table 1

Embase search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
5.	((medic* or drug* or clinical or patient*) adj3 (history or record* or antecedent*)).ti,ab.
6.	anamnesis/

7.	5 or 6
8.	oddi sphincter/
9.	((sphincter of oddi or hepatopancreatic sphincter or glisson's sphincter) adj3 (dysfunction* or failure* or disorder*)).ti,ab.
10.	endoscopic retrograde cholangiopancreatography/
11.	(endoscopic retrograde cholangiopancreatograph* or ercp).ti,ab.
12.	10 or 11
13.	9 or (8 and 12)
14.	exp immunoglobulin/
15.	immunoglobulin*.ti,ab.
16.	igg*.ti,ab.
17.	exp antinuclear antibody/
18.	(anti-nuclear antibod* or antinuclear antibod* or ana).ti,ab.
19.	(antinuclear factor* or anti-nuclear factor* or anf).ti,ab.
20.	(autoantibod* or auto-antibod*).ti,ab.
21.	autoantibody/
22.	or/14-21
23.	serology/ or serodiagnosis/
24.	hypercalcemia/
25.	hyperlipidemia/
26.	((test* or analysis) adj3 (hypercalc?emia or hyperlipid?emia or serolog* or blood)).ti,ab.
27.	or/23-26
28.	genetic predisposition/ or disease predisposition/
29.	genetic marker/
30.	genetic screening/
31.	(genetic* adj3 (marker* or test* or predisposition*)).ti,ab.
32.	trypsin/ or trypsin inhibitor/
33.	trypsinogen/
34.	(trypsinogen or trypsin or prss1).ti,ab.
35.	(tati or psti).ti,ab.
36.	chymotrypsin/ or chymotrypsin inhibitor/
37.	(chymotrypsin* or ctrc or cldn2).ti,ab.
38.	cystic fibrosis transmembrane conductance regulator/
39.	(cystic fibrosis transmembrane conductance regulator or cftr).ti,ab.
40.	(serine protease inhibitor kazal-type 1 or spink1).ti,ab.
41.	or/8-40
42.	endoscopic ultrasonography/
43.	endoscopic retrograde cholangiopancreatography/
44.	42 or 43
45.	bile duct/
46.	gallbladder/
47.	common bile duct/
48.	or/45-47
49.	44 and 48
50.	((endoscopic retrograde cholangiopancreatograph* or ercp or endoscopic ultraso* or eus or

	echo-endoscop* or endosonograph*) adj3 (gall bladder or gallbladder or bil* duct* or gallstone* or biliary or cbd or choledoch*).ti,ab.
51.	duodenoscopy/
52.	((endoscopic ultraso* or eus or echo-endoscop* or endosonograph*) adj3 ((endoscop* adj3 duodenum) or duodenoscop*).ti,ab.
53.	or/49-52
54.	endoscopic retrograde cholangiopancreatography/
55.	secretin/
56.	54 and 55
57.	(magnetic resonance cholangiopancreatograph* or mrcp or secretin-mrcp).ti,ab.
58.	smrcp.ti,ab.
59.	or/56-58
60.	acute pancreatitis/et (etiology)
61.	(pancrea* adj3 ?etiology).ti,ab.
62.	4 and (7 or 13 or 22 or 27 or 41 or 53 or 59 or 60 or 61)
63.	Study filters RCT (A.3.2) or SR (A.3.3) or OBS (A.3.7)
64.	62 and 63
	Date parameters: see Table 1

Cochrane search terms

#1.	Standard population (A.2.1)
#2.	((medic* or drug* or clinical or patient*) near/3 (history or record* or antecedent*)):ti,ab
#3.	MeSH descriptor: (medical history taking) this term only
#4.	#2 or #3
#5.	MeSH descriptor: (sphincter of oddi) this term only
#6.	((sphincter of oddi or hepatopancreatic sphincter or glisson's sphincter) near/3 (dysfunction* or failure* or disorder*)):ti,ab
#7.	MeSH descriptor: (cholangiopancreatography, endoscopic retrograde) this term only
#8.	(endoscopic retrograde cholangiopancreatograph* or ercp):ti,ab
#9.	#7 or #8
#10.	#5 and #9
#11.	#6 or #10
#12.	MeSH descriptor: (immunoglobulins) explode all trees
#13.	immunoglobulin*:ti,ab
#14.	igg*:ti,ab
#15.	MeSH descriptor: (antibodies, antinuclear) explode all trees
#16.	(autoantibod* or auto-antibod*):ti,ab
#17.	(anti-nuclear antibod* or antinuclear antibod* or ana):ti,ab
#18.	(antinuclear factor* or anti-nuclear factor* or anf):ti,ab
#19.	(or #12-#18)
#20.	MeSH descriptor: (serologic tests) this term only
#21.	MeSH descriptor: (hypercalcemia) this term only
#22.	MeSH descriptor: (hyperlipidemias) this term only
#23.	((test* or analysis) near/3 (hypercalc?emia or hyperlipid?emia or serolog* or blood)):ti,ab
#24.	(or #20-#23)
#25.	MeSH descriptor: (genetic markers) this term only

#26.	MeSH descriptor: (genetic testing) this term only
#27.	MeSH descriptor: (genetic predisposition to disease) this term only
#28.	(genetic* near/3 (marker* or test* or predisposition*)):ti,ab
#29.	MeSH descriptor: (trypsin) this term only
#30.	MeSH descriptor: (trypsinogen) this term only
#31.	(trypsinogen or trypsin or prss1):ti,ab
#32.	(tati or psti):ti,ab
#33.	MeSH descriptor: (chymotrypsin) this term only
#34.	(chymotrypsin* or ctrc or cldn2):ti,ab
#35.	MeSH descriptor: (cystic fibrosis transmembrane conductance regulator) this term only
#36.	(cystic fibrosis transmembrane conductance regulator or cftr):ti,ab
#37.	MeSH descriptor: (trypsin inhibitor, kazal pancreatic) this term only
#38.	(serine protease inhibitor kazal-type 1 or spink1):ti,ab
#39.	(or #25-#38)
#40.	MeSH descriptor: (endosonography) this term only
#41.	MeSH descriptor: (cholangiopancreatography, endoscopic retrograde) explode all trees
#42.	(or #40-#41)
#43.	MeSH descriptor: (biliary tract) explode all trees
#44.	#42 and #43
#45.	((endoscopic retrograde cholangiopancreatograph* or ercp or endoscopic ultraso* or eus or echo-endoscop* or endosonograph*) near/3 (gall bladder or gallbladder or bil* duct* or gallstone* or cbd or choledoch* or biliary)):ti,ab
#46.	MeSH descriptor: (duodenoscopy) this term only
#47.	((endoscopic retrograde cholangiopancreatograph* or ercp or endoscopic ultraso* or eus or echo-endoscop* or endosonograph*) near/3 ((endoscop* near/3 duodenum) or duodenoscop*)):ti,ab
#48.	(or #44-#47)
#49.	MeSH descriptor: (cholangiopancreatography, magnetic resonance) this term only
#50.	MeSH descriptor: (secretin) this term only
#51.	#49 and #50
#52.	(magnetic resonance cholangiopancreatograph* or mrcp or secretin-mrcp):ti,ab
#53.	smrcp:ti,ab
#54.	(or #51-#53)
#55.	(pancrea* near/3 ?etiology):ti,ab
#56.	(or #4, #11, #19, #24, #39, #48, #54-#58)
#57.	#1 and #56
	Date parameters: see Table 1

PsycINFO search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
	Date parameters: see Table 1

A.4.3 Chronic aetiology

- What is the clinical and cost effectiveness of performing genetic markers and autoantibodies tests for identifying the aetiology of chronic pancreatitis in people with no known family history of pancreatitis, no significant alcohol history, and normal serum calcium and lipids?

Medline search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
5.	exp immunoglobulins/
6.	immunoglobulin*.ti,ab.
7.	igg*.ti,ab.
8.	exp antibodies, antinuclear/
9.	(autoantibod* or auto-antibod*).ti,ab.
10.	(anti-nuclear antibod* or antinuclear antibod* or ana).ti,ab.
11.	(antinuclear factor* or anti-nuclear factor* or anf).ti,ab.
12.	pancreatitis, chronic/et (etiology)
13.	genetic predisposition to disease/
14.	genetic markers/ or genetic testing/
15.	(genetic* adj3 (marker* or test* or predisposition*)).ti,ab.
16.	trypsin/
17.	trypsinogen/
18.	(trypsinogen or trypsin or prss1).ti,ab.
19.	(tati or psti).ti,ab.
20.	chymotrypsin/
21.	(chymotrypsin* or ctrc or cldn2).ti,ab.
22.	cystic fibrosis transmembrane conductance regulator/
23.	(cystic fibrosis transmembrane conductance regulator or cftr).ti,ab.
24.	trypsin inhibitor, kazal pancreatic/
25.	(serine protease inhibitor kazal-type 1 or spink1).ti,ab.
26.	or/5-25
27.	4 and 26
	Date parameters: see Table 1

Embase search terms

1.	Chronic pancreatitis population (A.2.2)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
5.	exp immunoglobulin/
6.	immunoglobulin*.ti,ab.
7.	igg*.ti,ab.
8.	exp antinuclear antibody/
9.	(anti-nuclear antibod* or antinuclear antibod* or ana).ti,ab.
10.	(antinuclear factor* or anti-nuclear factor* or anf).ti,ab.

11.	(autoantibod* or auto-antibod*).ti,ab.
12.	autoantibody/
13.	chronic pancreatitis/et (etiology)
14.	autoimmune pancreatitis/et (etiology)
15.	genetic predisposition/ or disease predisposition/
16.	genetic marker/
17.	genetic screening/
18.	(genetic* adj3 (marker* or test* or predisposition*)).ti,ab.
19.	trypsin/ or trypsin inhibitor/
20.	trypsinogen/
21.	(trypsinogen or trypsin or prss1).ti,ab.
22.	(tati or psti).ti,ab.
23.	chymotrypsin/ or chymotrypsin inhibitor/
24.	(chymotrypsin* or ctrc or cldn2).ti,ab.
25.	cystic fibrosis transmembrane conductance regulator/
26.	(cystic fibrosis transmembrane conductance regulator or cftr).ti,ab.
27.	(serine protease inhibitor kazal-type 1 or spink1).ti,ab.
28.	or/5-27
29.	4 and 28
	Date parameters: see Table 1

Cochrane search terms

#1.	Chronic pancreatitis population (A.2.2)
#2.	MeSH descriptor: (immunoglobulins) explode all trees
#3.	immunoglobulin*.ti,ab
#4.	igg*.ti,ab
#5.	MeSH descriptor: (antibodies, antinuclear) explode all trees
#6.	(autoantibod* or auto-antibod*).ti,ab
#7.	(anti-nuclear antibod* or antinuclear antibod* or ana).ti,ab
#8.	(antinuclear factor* or anti-nuclear factor* or anf).ti,ab
#9.	MeSH descriptor: (genetic predisposition to disease) this term only
#10.	MeSH descriptor: (genetic markers) this term only
#11.	MeSH descriptor: (genetic testing) this term only
#12.	(genetic* near/3 (marker* or test* or predisposition*)).ti,ab
#13.	MeSH descriptor: (trypsin) this term only
#14.	MeSH descriptor: (trypsinogen) this term only
#15.	(trypsinogen or trypsin or prss1).ti,ab
#16.	(tati or psti).ti,ab
#17.	MeSH descriptor: (chymotrypsin) this term only
#18.	(chymotrypsin* or ctrc or cldn2).ti,ab
#19.	MeSH descriptor: (cystic fibrosis transmembrane conductance regulator) this term only
#20.	(cystic fibrosis transmembrane conductance regulator or cftr).ti,ab
#21.	MeSH descriptor: (trypsin inhibitor, kazal pancreatic) this term only
#22.	(serine protease inhibitor kazal-type 1 or spink1).ti,ab
#23.	(or #2-#22)

#24.	#1 and #23
	Date parameters: see Table 1

PsycINFO search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
	Date parameters: see Table 1

A.4.4 Chronic diagnosis

Searches for the following two questions were run as one search:

- In people with suspected (or under investigation for) chronic pancreatitis, in whom other causes have not been excluded by the use of CT scan, US scan and/or upper GI endoscopy, what is the most accurate diagnostic test to identify whether chronic pancreatitis is present (as indicated by the reference standards biopsy, clinical follow-up or subsequent CT scan)?
- In people with suspected (or under investigation for) chronic pancreatitis in whom other causes have not been excluded by the use of CT scan, US scan and/or upper GI endoscopy, what is the most clinically and cost effective test to identify whether chronic pancreatitis is present, when each is followed by the appropriate treatment, in order to improve patient outcomes?

• Medline search terms

1.	Chronic pancreatitis population (A.2.2)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
5.	breath tests/
6.	breath test*.ti,ab.
7.	(triglyceride* adj3 test*).ti,ab.
8.	pancreatic function tests/
9.	(pancrea* adj3 function adj3 test*).ti,ab.
10.	feces/di (diagnosis)
11.	((f?ecal or stool* or f?ece* or monoclonal or polyclonal or chymotrypsin or fat) adj3 test*).ti,ab.
12.	((f?ecal or stool* or f?ece*) adj3 (fat or elast*)).ti,ab.
13.	magnetic resonance imaging/
14.	(mri* or magnetic resonance imag* or mr imag*).ti,ab.
15.	cholangiopancreatography, magnetic resonance/
16.	cholangiopancreatography, endoscopic retrograde/
17.	(cholangiopancreatograph* or mrcp or ercp).ti,ab.
18.	endoscopic ultrasound-guided fine needle aspiration/
19.	ultrasonography/ or elasticity imaging techniques/
20.	endoscopy, digestive system/ or endoscopy, gastrointestinal/
21.	(endoscop* adj3 (ultrasound or elastograph* or imag* or eus)).ti,ab.
22.	(secretin-cholecystokinin or secretin-cck or cck).ti,ab.
23.	(secretin adj3 (stimulation or test*)).ti,ab.
24.	or/5-23

25.	Study filters RCT (A.3.2) or SR (A.3.3) or DIAG (A.3.6) or OBS (A.3.7)
26.	4 and 24 and 25
	Date parameters: see Table 1

Embase search terms

1.	Chronic pancreatitis population (A.2.2)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
5.	breath analysis/
6.	breath test*.ti,ab.
7.	(triglyceride* adj3 test*).ti,ab.
8.	(pancrea* adj3 function test*).ti,ab.
9.	pancreas examination/ or pancreas function test/ or pancreatography/
10.	feces analysis/
11.	((f?ecal or stool* or f?ece* or monoclonal or polyclonal or Chymotrypsin or fat) adj3 test*).ti,ab.
12.	((f?ecal or stool* or f?ece*) adj3 (fat or elast*)).ti,ab.
13.	nuclear magnetic resonance imaging/ or magnetic resonance cholangiopancreatography/
14.	(MRI* or magnetic resonance imag* or MR imag*).ti,ab.
15.	endoscopic retrograde cholangiopancreatography/
16.	(cholangiopancreatograph* or MRCP or ERCP).ti,ab.
17.	endoscopic ultrasound guided fine needle biopsy/
18.	elastography/
19.	digestive tract endoscopy/
20.	(endoscop* adj3 (ultrasound or elastograph* or imag* or EUS)).ti,ab.
21.	(secretin-cholecystokinin or Secretin-CCK or CCK).ti,ab.
22.	(secretin adj3 (stimulation or test*)).ti,ab.
23.	or/5-22
24.	Study filters RCT (A.3.2) or SR (A.3.3) or DIAG (A.3.6) or OBS (A.3.7)
25.	4 and 23 and 24
	Date parameters: see Table 1

Cochrane search terms

#1.	Chronic pancreatitis population (A.2.2)
#2.	MeSH descriptor: (breath tests) this term only
#3.	breath test*.ti,ab
#4.	(triglyceride* near/3 test*).ti,ab
#5.	MeSH descriptor: (pancreatic function tests) this term only
#6.	(pancrea* near/3 function near/3 test*).ti,ab
#7.	((f?ecal or stool* or f?ece* or monoclonal or polyclonal or chymotrypsin or fat) near/3 test*).ti,ab
#8.	((f?ecal or stool* or f?ece*) near/3 (fat or elast*)).ti,ab
#9.	MeSH descriptor: (magnetic resonance imaging) this term only
#10.	(mri* or magnetic resonance imag* or mr imag*).ti,ab
#11.	MeSH descriptor: (cholangiopancreatography, magnetic resonance) this term only

#12.	MeSH descriptor: (cholangiopancreatography, endoscopic retrograde) this term only
#13.	MeSH descriptor: (endoscopic ultrasound-guided fine needle aspiration) this term only
#14.	MeSH descriptor: (ultrasonography) this term only
#15.	MeSH descriptor: (elasticity imaging techniques) this term only
#16.	MeSH descriptor: (endoscopy, gastrointestinal) this term only
#17.	MeSH descriptor: (endoscopy, digestive system) this term only
#18.	(endoscop* near/3 (ultrasound or elastograph* or imag* or eus)):ti,ab
#19.	(secretin-cholecystokinin or secretin-cck or cck):ti,ab
#20.	(secretin near/3 (stimulation or test*)):ti,ab
#21.	(or #2-#20)
#22.	#1 and #21
	Date parameters: see Table 1

PsycINFO search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
	Date parameters: 1806-28 September 2017

A.4.5 Lifestyle: alcohol

- What is the effectiveness of stopping or reducing alcohol consumption in reducing recurrent episodes of acute pancreatitis and improving quality of life in people with both chronic and acute pancreatitis?

Medline search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
5.	temperance/ or alcohol abstinence/
6.	(alcohol* adj3 (cessat* or ceas* or reduc* or restrict* or avoid* or abstem* or control* or stop* or quit* or giv* up or withdraw* or low* or drop* or fall* or decreas* or less* or moderat* or cut* or regulat* or abstin* or abstain* or discontinu* or chang* or alter* or modif* or adjust* or amend*)):ti,ab.
7.	(alcohol* adj6 (program* or interven* or prevent* or help* or manag* or motivat* or educat* or mentor* or inform* or support* or advice or advis* or counsel* or therap* or strateg* or policy or policies)):ti,ab.
8.	(temperate or temper or tempers or teetotal* or sober* or sobriety).ti,ab.
9.	or/5-8
10.	drinking behavior/ or alcohol drinking/ or alcoholic beverages/
11.	alcohol-related disorders/ or alcohol-induced disorders/ or alcoholic intoxication/ or alcoholism/ or binge drinking/
12.	(alcohol* adj3 "use").ti,ab.
13.	(alcohol* adj3 (addict* or abus* or depend* or overdos* or disorder* or misus* or using or user or drink* or consume* or consumption or risk* or intak* or exposure or excess* or problem* or unit*)):ti,ab.
14.	(intoxicat* or drunken*).ti,ab.

15.	(drink* adj3 (behaviour* or behavior* or binge* or problem* or excess*)).ti,ab.
16.	or/10-15
17.	4 and (9 or 16)
	Date parameters: see Table 1

Embase search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
5.	temperance/ or alcohol abstinence/
6.	(alcohol* adj3 (cessat* or ceas* or reduc* or restrict* or avoid* or abstem* or control* or stop* or quit* or giv* up or withdraw* or low* or drop* or fall* or decreas* or less* or moderat* or cut* or regulat* or abstin* or abstain* or discontinu* or chang* or alter* or modif* or adjust* or amend*)).ti,ab.
7.	(alcohol* adj6 (program* or interven* or prevent* or help* or manag* or motivat* or educat* or mentor* or inform* or support* or advice or advis* or counsel* or therap* or strateg* or policy or policies)).ti,ab.
8.	(temperate or temper or tempers or teetotal* or sober* or sobriety).ti,ab.
9.	or/5-8
10.	drinking behavior/ or alcohol drinking/ or alcoholic beverages/
11.	alcohol-related disorders/ or alcohol-induced disorders/ or alcoholic intoxication/ or alcoholism/ or binge drinking/
12.	(alcohol* adj3 "use").ti,ab.
13.	(alcohol* adj3 (addict* or abus* or depend* or overdos* or disorder* or misus* or using or user or drink* or consume* or consumption or risk* or intak* or exposure or excess* or problem* or unit*)).ti,ab.
14.	(intoxicat* or drunken*).ti,ab.
15.	(drink* adj3 (behaviour* or behavior* or binge* or problem* or excess*)).ti,ab.
16.	or/10-15
17.	4 and (9 or 16)
	Date parameters: see Table 1

Cochrane search terms

#1.	Standard population (A.2.1)
#2.	MeSH descriptor: (temperance) this term only
#3.	MeSH descriptor: (alcohol abstinence) this term only
#4.	(alcohol* near/3 (cessat* or ceas* or reduc* or restrict* or avoid* or abstem* or control* or stop* or quit* or giv* next up or withdraw* or low* or drop* or fall* or decreas* or less* or moderat* or cut* or regulat* or abstin* or abstain* or discontinu* or chang* or alter* or modif* or adjust* or amend*)):ti,ab
#5.	(alcohol* near/6 (program* or interven* or prevent* or help or support* or advice or advise* or counsel* or therap* or strateg* or policy or policies)):ti,ab
#6.	(temperate or temper or tempers or teetotal* or sober* or sobriety):ti,ab
#7.	#2 or #3or #4 or #5 or #6
#8.	MeSH descriptor: (drinking behavior) this term only
#9.	MeSH descriptor: (alcohol drinking) this term only
#10.	MeSH descriptor: (alcoholic beverages) this term only
#11.	MeSH descriptor: (alcohol-related disorders) this term only

#12.	MeSH descriptor: (alcohol-induced disorders) this term only
#13.	MeSH descriptor: (alcoholic intoxication) this term only
#14.	MeSH descriptor: (alcoholism) this term only
#15.	MeSH descriptor: (binge drinking) this term only
#16.	alcohol* near/3 use:ti,ab
#17.	(alcohol* near/3 (addict* or abus* or depend* or overdos* or disorder* or misus* or using or user or drink* or consume* or consumption or risk* or intak* or exposure or excess* or problem* or unit*)):ti,ab
#18.	(intoxicat* or drunken*):ti,ab
#19.	(drink* near/3 (behaviour* or behavior* or binge* or problem* or excess*)):ti,ab
#20.	#8 or #9 or #10 or #11 or #12 or #13 or #14 or #15 or #16 or #17 or #18 or #19
#21.	#7 or #20
#22.	#1 and #21
	Date parameters: see Table 1

PsycINFO search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
	Date parameters: see Table 1

A.4.6 IV fluid management

Searches for the following two questions were run as one search:

- What is the most clinically and cost-effective type of intravenous fluid for resuscitation in people with acute pancreatitis?
- What is the most clinically and cost-effective speed of administration of intravenous fluid for resuscitation in people with acute pancreatitis?

Medline search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
5.	exp fluid therapy/
6.	((fluid* or volum*) adj3 (restor* or resuscita* or replac* or deplet* or deficien*)):ti,ab.
7.	(fluid* adj3 (challenge or bolus)):ti,ab.
8.	colloids/
9.	exp plasma substitutes/
10.	albumins/ or exp serum albumin/
11.	dextrans/
12.	hydroxyethyl starch derivatives/
13.	exp hypertonic solutions/ or isotonic solutions/
14.	gelatin/
15.	(crystalloid* or colloid* or isotonic):ti,ab.
16.	(albumin* or albumex or albumorm or octalbin or zenalb or flexbumin):ti,ab.

17.	(dextran or rescueflow).ti,ab.
18.	(gelatin or gelospan or gelofusine or geloplasma or isoplex or volplex).ti,ab.
19.	(starch* or hetastarch* or pentastarch* or pentaspan* or haemacel or haes-steril or hemohe or tetrastarch* or tetraspan or venofundin or volulyte or voluven).ti,ab.
20.	(hypertonic or hyperhaes or hypotonic).ti,ab.
21.	potassium chloride/ or sodium chloride/ or sodium bicarbonate/
22.	(sodium or salin* or hartman* or ringer* or glucose or lactate* or acetate*).ti,ab.
23.	(dextrose or potassium or bicarbonate).ti,ab.
24.	(goal adj1 (direct* or orient*) adj1 therap*).ti,ab.
25.	(plasmalyte or plasma-lyte).ti,ab.
26.	or/5-25
27.	4 and 26
	Date parameters: see Table 1

Embase search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
5.	exp fluid therapy/
6.	fluid resuscitation/
7.	fluid balance/
8.	((fluid* or volum*) adj3 (restor* or resuscita* or replac* or deplet* or deficien*)).ti,ab.
9.	(fluid* adj3 (challenge or bolus)).ti,ab.
10.	colloid/
11.	plasma substitute/
12.	albumin/
13.	serum albumin/
14.	hypertonic solution/
15.	isotonic solution/
16.	dextran/
17.	hetastarch derivative/
18.	gelatin/
19.	(crystalloid* or colloid* or isotonic).ti,ab.
20.	(albumin* or albumex or albumnorm or octalbin or zenalb or flexbumin).ti,ab.
21.	human serum albumin/
22.	human albumin/
23.	(dextran or rescueflow).ti,ab.
24.	dextran 70/
25.	(gelatin or gelospan or gelofusine or geloplasma or isoplex or volplex).ti,ab.
26.	gelatin succinate/
27.	crystalloid/
28.	(starch* or hetastarch* or pentastarch* or pentaspan* or haemacel or haes-steril or hemohe or tetrastarch* or tetraspan or venofundin or volulyte or voluven).ti,ab.
29.	polygeline/
30.	(hypertonic or hyperhaes or hypotonic).ti,ab.

31.	potassium chloride/
32.	sodium chloride/
33.	bicarbonate/
34.	(sodium or salin* or hartman* or ringer* or glucose or lactate* or acetate*).ti,ab.
35.	hartmann solution/
36.	ringer lactate solution/ or ringer solution/
37.	(dextrose or potassium or bicarbonate).ti,ab.
38.	(goal adj1 (direct* or orient*) adj1 therap*).ti,ab.
39.	acetic acid plus gluconate sodium plus magnesium chloride plus potassium chloride plus sodium chloride/
40.	(plasmalyte or plasma-lyte).ti,ab.
41.	or/5-41
42.	4 and 42
	Date parameters: see Table 1

Cochrane search terms

#1.	Standard population (A.2.1)
#2.	MeSH descriptor: (fluid therapy) explode all trees
#3.	((fluid* or volum*) near/3 (restor* or resuscita* or replac* or deplet* or deficien*)):ti,ab
#4.	(fluid* near/3 (challenge or bolus)):ti,ab
#5.	MeSH descriptor: (colloids) explode all trees
#6.	MeSH descriptor: (plasma substitutes) explode all trees
#7.	MeSH descriptor: (albumins) explode all trees
#8.	MeSH descriptor: (serum albumin) explode all trees
#9.	MeSH descriptor: (dextrans) explode all trees
#10.	MeSH descriptor: (hydroxyethyl starch derivatives) explode all trees
#11.	(mh "hypertonic solutions")
#12.	(mh "isotonic solutions")
#13.	(mh gelatin)
#14.	(crystalloid* or colloid* or isotonic):ti,ab
#15.	(albumin* or albumex or albumorm or octalbin or zenalb or flexbumin):ti,ab
#16.	(dextran or rescueflow):ti,ab
#17.	(gelatin or gelospan or gelofusine or geloplasma or isoplex or volplex):ti,ab
#18.	(starch* or hetastarch* or pentastarch* or pentaspan* or haemacel or haes-steril or hemohe or tetrastarch* or tetraspan or venofundin or volulyte or voluven):ti,ab
#19.	(hypertonic or hyperhaes or hypotonic):ti,ab
#20.	(mh "potassium chloride")
#21.	(mh "sodium chloride")
#22.	(mh "sodium bicarbonate")
#23.	(sodium or salin* or hartman* or ringer* or glucose or lactate* or acetate*).ti,ab
#24.	(dextrose or potassium or bicarbonate):ti,ab
#25.	(goal next (direct* or orient*) next therap*):ti,ab
#26.	(plasmalyte or plasma-lyte):ti,ab
#27.	(or #4-#26)
#28.	#1 and #27
	Date parameters: see Table 1

PsycINFO search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
	Date parameters: see Table 1

A.4.7 Nutrition support

Searches for the following two questions were run as one search:

- What is the clinical and cost effectiveness of early versus late nutritional intervention (for example, food supplements, enzyme supplements) in people with chronic pancreatitis and signs of malnutrition or malabsorption?
- What is the most clinically and cost-effective route of feeding at time of admission to the hospital in people with acute pancreatitis?

Medline search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
5.	exp nutrition therapy/ or nutrition assessment/ or diet therapy/ or exp nutritional support/
6.	dietary supplements/ or exp enzyme therapy/
7.	feeding methods/ or enteral nutrition/ or parenteral nutrition/
8.	((diet* or nutrition* or nutrient* or food or feed*) adj4 (support* or assess* or advice or advise* or counsel* or therap* or intervention* or strateg* or protocol* or manage* or treat* or absorb* or absorption or supplement* or intak* or replace*)).ti,ab.
9.	((enteral or parenteral or gastric or nasogastric or nasojejunal or jejunal or duodenal or nasoduodenal or nasoenteric) adj4 (feed* or fed or food or nutrition* or nutrient* or diet*)).ti,ab.
10.	((enzyme* or calorie* or vitamin* or glutamine or probiotic* or omega-3) adj4 (supplement* or treat* or intervention* or therap* or replace* or absorb* or absorption)).ti,ab.
11.	(ert or pert or pancrease or pancrex or creon or kreon or pancreaze or pancreatin or nutrizym or pankreon or pankreatin).ti,ab.
12.	(pancreatic adj enzyme*).ti,ab.
13.	(tube adj3 (feed* or fed)).ti,ab.
14.	(oral* adj3 (fed or feed* or diet* or supplement*)).ti,ab.
15.	((liquid or soft) adj2 diet*).ti,ab.
16.	immunonutrition.ti,ab.
17.	(route adj2 feed*).ti,ab.
18.	or/5-18
19.	4 and 19
20.	malnutrition/ or malabsorption syndromes/ or nutritional status/
21.	(malnutrition or malabsorption or malnourish* or maldigestion or under-nutrition or undernutrition or under-nourish* or undernourish*).ti,ab.
22.	(nutrition* adj3 (status or deficien* or impair* or deplet* or risk*)).ti,ab.
23.	((micronutrient* or vitamin*) adj3 (deficien* or impair* or deplet*)).ti,ab.
24.	(weight adj2 (lost or loss*)).ti,ab.

25.	(skinfold* or skin fold*).ti,ab.
26.	body mass index/ or skinfold thickness/
27.	weight loss/
28.	or/20-27
29.	4 and 28
30.	Study filters RCT (A.3.2) or SR (A.3.3) or OBS (A.3.7)
31.	30 and (19 or 29)
	Date parameters: see Table 1

Embase search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
5.	diet therapy/ or nutritional assessment/ or nutritional support/
6.	dietary supplement/ or vitamin supplementation/ or diet supplementation/
7.	food intake/ or enteric feeding/ or exp parenteral nutrition/
8.	exp enzyme therapy/
9.	((diet* or nutrition* or nutrient* or food or feed*) adj4 (support* or assess* or advice or advise* or counsel* or therap* or intervention* or strateg* or protocol* or manage* or treat* or absorb* or absorption or supplement* or intak* or replace*)).ti,ab.
10.	((enteral or parenteral or gastric or nasogastric or nasojejunal or jejunal or duodenal or nasoduodenal or nasoenteric) adj4 (feed* or fed or food or nutrition* or nutrient* or diet*)).ti,ab.
11.	((enzyme* or calorie* or vitamin* or glutamine or probiotic* or omega-3) adj4 (supplement* or treat* or intervention* or therap* or replace* or absorb* or absorption)).ti,ab.
12.	(ert or pert or pancrease or pancrex or creon or kreon or pancreaze or pancreatin or nutrizym or pankreon or pankreatin).ti,ab.
13.	(pancreatic adj enzyme*).ti,ab.
14.	(tube adj3 (feed* or fed)).ti,ab.
15.	(oral* adj3 (fed or feed* or diet* or supplement*)).ti,ab.
16.	((liquid or soft) adj2 diet*).ti,ab.
17.	(route adj2 feed*).ti,ab.
18.	immunonutrition.ti,ab.
19.	or/5-18
20.	nutritional status/
21.	(nutrition* adj3 (status or deficien* or impair* or deplet* or risk*)).ti,ab.
22.	malnutrition/ or malabsorption/
23.	(malnutrition or malabsorption or malnourish* or maldigestion or under-nutrition or undernutrition or under-nourish* or undernourish*).ti,ab.
24.	vitamin deficiency/ or nutritional deficiency/
25.	((micronutrient* or vitamin*) adj3 (deficien* or impair* or deplet*)).ti,ab.
26.	weight reduction/ or body mass/ or skinfold thickness/
27.	(weight adj2 (lost or loss*)).ti,ab.
28.	(skinfold* or skin fold*).ti,ab.
29.	or/20-28
30.	4 and (19 or 29)

31.	Study filters RCT (A.3.2) or SR (A.3.3) or OBS (A.3.7)
32.	30 and 31
	Date parameters: see Table 1

Cochrane search terms

#1.	Standard population (A.2.1)
#2.	(mh "nutrition therapy")
#3.	(mh ^"nutrition assessment")
#4.	(mh ^"diet therapy")
#5.	(mh "nutritional support")
#6.	(mh ^"dietary supplements")
#7.	(mh "enzyme therapy")
#8.	(mh ^"feeding methods")
#9.	((diet* or nutrition* or nutrient* or food or feed*) near/4 (support* or assess* or advice or advise* or counsel* or therap* or intervention* or strateg* or protocol* or manage* or treat* or absorb* or absorption or supplement* or intak* or replace*)):ti,ab
#10.	((enteral or parenteral or gastric or nasogastric or nasojejunal or jejunal or duodenal or nasoduodenal or nasoenteric) near/4 (feed* or fed or food or nutrition* or nutrient* or diet*)):ti,ab
#11.	((enzyme* or calorie* or vitamin* or glutamine or probiotic* or omega-3) near/4 (supplement* or treat* or intervention* or therap* or replace* or absorb* or absorption)):ti,ab
#12.	(ert or pert or pancrease or pancrex or creon or kreon or pancreaze or pancreatin or nutrizym or pankreon or pankreatin):ti,ab
#13.	(pancreatic next enzyme*):ti,ab
#14.	(tube near/3 (feed* or fed)):ti,ab
#15.	(oral* near/3 (fed or feed* or diet* or supplement*)):ti,ab
#16.	((liquid or soft) near/2 diet*):ti,ab
#17.	immunonutrition:ti,ab
#18.	(route near/2 feed*):ti,ab
#19.	(or #2-#18)
#20.	#1and #19
#21.	(mh ^malnutrition)
#22.	(mh ^"malabsorption syndromes")
#23.	(mh ^"nutritional status")
#24.	(malnutrition or malabsorption or malnourish* or maldigestion or under-nutrition or undernutrition or under-nourish* or undernourish*):ti,ab
#25.	(nutrition* near/3 (status or deficien* or impair* or deplet* or risk*)):ti,ab
#26.	((micronutrient* or vitamin*) near/3 (deficien* or impair* or deplet*)):ti,ab
#27.	(weight near/2 (lost or loss*)):ti,ab
#28.	(skinfold* or skin fold*):ti,ab
#29.	(mh ^"body mass index")
#30.	(mh ^"skinfold thickness")
#31.	(mh ^"weight loss")
#32.	(or #21-#31)
#33.	#1 and #32
#34.	#19 or #33

	Date parameters: see Table 1
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PsycINFO search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
	Date parameters: see Table 1

A.4.8 Antimicrobial prophylaxis

- What is the clinical and cost-effectiveness of prophylactic antimicrobial agents to prevent infection in people with acute pancreatitis?

Medline search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
5.	exp anti-infective agents/ or superinfection/ or exp bacterial infections/
6.	exp aminoglycosides/
7.	exp beta-lactams/
8.	exp glycopeptides/
9.	exp lincosamides/
10.	exp macrolides/
11.	exp nitroimidazoles/
12.	exp polymyxins/
13.	exp quinolones/
14.	exp sulfonamides/
15.	exp trimethoprim/
16.	exp tetracyclines/
17.	exp chloramphenicol/
18.	fusidic acid/
19.	daptomycin/
20.	linezolid/
21.	exp rifamycins/
22.	nitrofurantoin/
23.	methenamine/
24.	exp triazoles/ or exp imidazoles/
25.	exp polyenes/
26.	echinocandins/
27.	flucytosine/
28.	griseofulvin/
29.	(microb* or antimicrob* or anti-microb* or antiinfect* or anti-infect* or bacter* or antibacter* or anti-bacter* or antibiot* or anti-biot* or fung* or antifung* or anti-fung* or superbug* or super-bug*).ti,ab.
30.	beta-lactam*.mp,hw.
31.	(aminoglycoside* or amikacin or amikin or gentamicin or cidomycingenticin or neomycin or

	sulphate or nivemycin or streptomycin or tobramycin or nebcin or tobi or podhaler or tobi or tymbrineb or bramitob or tobravisc).mp,hw.
32.	(carbapen#m* or ertapenem or invanz or imipenem or cilastatin or primaxin or meropenem or meronem).mp,hw.
33.	(cephalosporin* or cefadroxil or cefalexin or ceporex or keflex or cefradine or nicef or cefaclor or distaclor or keftid or cefuroxime or zinnat or aprokam or zinacef or cefixime or suprax or cefotaxime or ceftazidime or fortum or kefadim or ceftriaxone or rocephin or ceftaroline or fosamil or zinforo).mp,hw.
34.	(glycopeptide* or teicoplanin or targocid or telavancin or vibativ or vancomycin or vancocin).mp,hw.
35.	(lincosamide* or clindamycin or dalacin or zindaclin).mp,hw.
36.	(macrolide* or azithromycin or zithromax or zedbac or ayter or clarithromycin or clarie or klaricid or erythromycin or erythrocin or erythrolar or erythroped or erymax or primacine or tiloryth or oftalmolosa cusi eritromicina or telithromycin or ketek).mp,hw.
37.	(monobactam* or aztreonam or azactam or cayston).mp,hw.
38.	(nitroimidazole* or metronidazole or flagyl or vaginyl or norzol or metrolyl or tinidazole or fasigyn).mp,hw.
39.	(penicillin* or piperacillin or tazobactam or tazocin or ticarcillin or clavulanic acid or timentin or benzylpenicillin or crystapen or phenoxymethylpenicillin or amoxicillin or amoxil or amix or amoram or amoxient or galenamox or rimoxallin or ampicillin or penbritin or rimacillin or co-fluampicil or flu-amp or magnapen or co-amoxiclav or augmentin or pivmecillinam or selexid or flucloxacillin or floxapen or flucomix or ladropen or temocillin or negaban).mp,hw.
40.	(polymyxin* or colistimethate or colistin or sulfomethate or colomycin or promixin or colobreathe).mp,hw.
41.	(quinolone* or ciprofloxacin or ciproxin or levofloxacin or evoxil or tavanic or moxifloxacin or avelox or nalidixic acid or norfloxacin or ofloxacin or tarivid or perfloxacin).mp,hw.
42.	(sulfonamide* or co-trimoxazole or fectrim or septrin or sulfadiazine or trimethoprim or trimopan).mp,hw.
43.	(tetracycline* or demeclocycline or doxycycline or vibramycin-d or efracea or lymecycline or tetralysal or minocycline or aknemin or acnamino or minocin or sebomin or oxytetracycline or oxymycin or tigecycline or tygacil).mp,hw.
44.	(chloramphenicol or kemeticine or brochlor or brolene or chloromycetin or golden eye or optrex or klorafect or fosfomycin or fomicyt or fusidic acid or sodium fusidate or fucidin or daptomycin or cubicin or linezolid or zyvox or rifaximin or targaxan or xifaxanta or fidaxomicin or dificlir or tedizolid or sivextro).mp,hw.
45.	(nitrofurantoin or macrobid or methenamine hippurate or hexamine hippurate or hiprex).mp,hw.
46.	(triazole* or fluconazole or diflucan or itraconazole or sporanox or posaconazole or noxafil or voriconazole or vfeed or omoconazole or epoxiconazole).mp,hw.
47.	(imidazole* or clotrimazole or econazole or tioconazole or ketoconazole or miconazole).mp,hw.
48.	(polyene* or amphotericin or fungizone or abelcet or ambisome).mp,hw.
49.	(echinocandin* or anidulafungin or ecalta or caspofungin or candidas or micafungin or mycamine).mp,hw.
50.	(flucytosine or ancotil or griseofulvin or terbinafine or lamisil).mp,hw.
51.	or/5-50
52.	4 and 51
	Date parameters: see Table 1

Embase search terms

1.	Standard population (A.2.1)
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2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
5.	exp antiinfective agent/
6.	exp bacterial infection/ or exp superinfection/
7.	exp *aminoglycoside antibiotic agent/
8.	*amikacin/ or *gentamicin/ or *neomycin/ or *streptomycin/ or *tobramycin/
9.	exp *beta lactam antibiotic/
10.	*carbapenem derivative/ or *carbapenem/ or *ertapenem/ or *cilastatin with imipenem/ or *imipenem/ or *meropenem/
11.	exp *cephalosporin derivative/ or exp *cephalosporin/
12.	*cefadroxil/ or *cefalexin/ or *cefradine/ or *cefaclor/ or *cefuroxime/ or *cefixime/ or *cefotaxime/ or *ceftazidime/ or *ceftriaxone/ or *ceftaroline fosamil/
13.	*glycopeptide/
14.	*teicoplanin/ or *telavancin/ or *vancomycin/
15.	*lincosamide/
16.	*clindamycin/
17.	exp *macrolide/
18.	*azithromycin/ or *clarithromycin/ or *erythromycin/ or *telithromycin/
19.	exp *monobactam derivative/
20.	*aztreonam/
21.	exp *nitroimidazole derivative/ or exp *nitroimidazole/
22.	*metronidazole/ or *tinidazole/
23.	exp *penicillin derivative/
24.	*piperacillin plus tazobactam/ or *ticarcillin/ or *clavulanic acid/ or *penicillin g/ or *penicillin v/ or *amoxicillin/ or *ampicillin/ or *ampicillin plus flucloxacillin/ or *amoxicillin plus clavulanic acid/ or *pivmecillinam/ or *flucloxacillin/
25.	*polymyxin/
26.	*colistin/ or *colistimethate/
27.	exp *quinolone derivative/ or exp *quinolone/
28.	*ciprofloxacin/ or *levofloxacin/ or *moxifloxacin/ or *nalidixic acid/ or *norfloxacin/ or *ofloxacin/ or *perfloxacin/
29.	exp *sulfonamide/ or exp *trimethoprim/ or exp *trimethoprim derivative/
30.	*cotrimoxazole/ or *sulfadiazine/
31.	exp *tetracycline derivative/ or exp *tetracycline/
32.	*demeclocycline/ or *doxycycline/ or *lymecycline/ or *minocycline/ or *oxytetracycline/ or *tigecycline/
33.	*chloramphenicol derivative/ or *chloramphenicol/
34.	*fosfomycin/
35.	*fusidic acid/
36.	*daptomycin/
37.	*linezolid/
38.	*rifaximin/
39.	*fidaxomicin/
40.	*tedizolid/
41.	exp *triazole derivative/

42.	*fluconazole/ or *itraconazole/ or *posaconazole/ or *voriconazole/ or *omoconazole/ or *epoxiconazole/
43.	exp *imidazole derivative/
44.	*clotrimazole/ or *econazole/ or *tioconazole/ or *ketoconazole/ or *miconazole/
45.	exp *polyene antibiotic agent/
46.	*amphotericin/
47.	exp *echinocandin/
48.	*anidulafungin/ or *caspofungin/ or *micafungin/
49.	*flucytosine/ or *griseofulvin/ or *terbinafine/
50.	(microb* or antimicrob* or anti-microb* or antiinfect* or anti-infect* or bacter* or antibacter* or anti-bacter* or antibiot* or anti-biot* or fung* or antifung* or anti-fung* or superbug* or super-bug*).ti,ab.
51.	beta-lactam*.mp,hw.
52.	(aminoglycoside* or amikacin or amikin or gentamicin or cidomycingenticin or neomycin or sulphate or nivemycin or streptomycin or tobramycin or nebcin or tobi or podhaler or tobi or tymbrineb or bramitob or tobravisc).mp,hw.
53.	(carbapen#m* or ertapenem or invanz or imipenem or cilastatin or primaxin or meropenem or meronem).mp,hw.
54.	(cephalosporin* or cefadroxil or cefalexin or ceporex or keflex or cefradine or nicef or cefaclor or distaclor or keftid or cefuroxime or zinnat or aprokam or zinacef or cefixime or suprax or cefotaxime or ceftazidime or fortum or kefadim or ceftriaxone or rocephin or ceftaroline or fosamil or zinforo).mp,hw.
55.	(glycopeptide* or teicoplanin or targocid or telavancin or vibativ or vancomycin or vancocin).mp,hw.
56.	(lincosamide* or clindamycin or dalacin or zindaclin).mp,hw.
57.	(macrolide* or azithromycin or zithromax or zedbac or ayter or clarithromycin or clarie or klaricid or erythromycin or erythrocin or erythrolar or erythroped or erymax or primacine or tiloryth or oftalmolosa cusi eritromicina or telithromycin or ketek).mp,hw.
58.	(monobactam* or aztreonam or azactam or cayston).mp,hw.
59.	(nitroimidazole* or metronidazole or flagyl or vaginyl or norzol or metrolyl or tinidazole or fasigyn).mp,hw.
60.	(penicillin* or piperacillin or tazobactam or tazocin or ticarcillin or clavulanic or timentin or benzylpenicillin or crystapen or phenoxymethylpenicillin or amoxicillin or amoxil or amix or amoram or amoxient or galenamox or rimoxallin or ampicillin or penbritin or rimacillin or co-fluampicil or flu-amp or magnapen or co-amoxiclav or augmentin or pivmecillinam or selexid or flucloxacillin or floxapen or flucomix or ladropen or temocillin or negaban).mp,hw.
61.	(polymyxin* or colistimethate or colistin or sulfomethate or colomycin or promixin or colobreathe).mp,hw.
62.	(quinolone* or ciprofloxacin or ciproxin or levofloxacin or evoxil or tavanic or moxifloxacin or avelox or nalidixic acid or norfloxacin or ofloxacin or tarivid or perfloxacin).mp,hw.
63.	(sulfonamide* or co-trimoxazole or cotrimoxazole or fectrim or septrin or sulfadiazine or trimethoprim or trimopan).mp,hw.
64.	(tetracycline* or demeclocycline or doxycycline or vibramycin-d or efracea or lymecycline or tetralysal or minocycline or aknemin or acnamino or minocin or sebomin or oxytetracycline or oxymycin or tigecycline or tygacil).mp,hw.
65.	(chloramphenicol or kemicetine or brochlor or brolene or chloromycetin or golden eye or optrex or klorafect or fosfomycin or fomicyt or fusidic acid or sodium fusidate or fucidin or daptomycin or cubicin or linezolid or zyvox or rifaximin or targaxan or xifaxanta or fidaxomicin or dificlr or tedizolid or sivextro).mp,hw.
66.	(nitrofurantoin or macrobid or methenamine hippurate or hexamine hippurate or hiprex).mp,hw.

67.	(triazole* or fluconazole or diflucan or itraconazole or sporanox or posaconazole or noxafil or voriconazole or v fend or omoconazole or epoxiconazole).mp,hw.
68.	(imidazole* or clotrimazole or econazole or tioconazole or ketoconazole or miconazole).mp,hw.
69.	(polyene* or amphotericin or fungizone or abelcet or ambisome).mp,hw.
70.	(echinocandin* or anidulafungin or ecalta or caspofungin or candidas or micafungin or mycamine).mp,hw.
71.	(flucytosine or ancotil or griseofulvin or terbinafine or lamisil).mp,hw.
72.	or/5-71
73.	4 and 72
	Date parameters: see Table 1

Cochrane search terms

#1.	Standard population (A.2.1)
#2.	MeSH descriptor: (anti-infective agents) explode all trees
#3.	MeSH descriptor: (superinfection) explode all trees
#4.	MeSH descriptor: (bacterial infections) explode all trees
#5.	MeSH descriptor: (aminoglycosides) explode all trees
#6.	MeSH descriptor: (beta-lactams) explode all trees
#7.	MeSH descriptor: (glycopeptides) explode all trees
#8.	MeSH descriptor: (lincosamides) explode all trees
#9.	MeSH descriptor: (macrolides) explode all trees
#10.	MeSH descriptor: (nitroimidazoles) explode all trees
#11.	MeSH descriptor: (polymyxins) explode all trees
#12.	MeSH descriptor: (quinolones) explode all trees
#13.	MeSH descriptor: (sulfonamides) explode all trees
#14.	MeSH descriptor: (trimethoprim) explode all trees
#15.	MeSH descriptor: (tetracyclines) explode all trees
#16.	MeSH descriptor: (chloramphenicol) explode all trees
#17.	MeSH descriptor: (fusidic acid) explode all trees
#18.	MeSH descriptor: (daptomycin) explode all trees
#19.	MeSH descriptor: (linezolid) explode all trees
#20.	MeSH descriptor: (rifamycins) explode all trees
#21.	MeSH descriptor: (nitrofurantoin) explode all trees
#22.	MeSH descriptor: (methenamine) explode all trees
#23.	MeSH descriptor: (azoles) explode all trees
#24.	MeSH descriptor: (polyenes) explode all trees
#25.	MeSH descriptor: (echinocandins) explode all trees
#26.	MeSH descriptor: (flucytosine) explode all trees
#27.	MeSH descriptor: (fosfomycin) explode all trees
#28.	MeSH descriptor: (griseofulvin) explode all trees
#29.	(microb* or antimicrob* or anti-microb* or (anti next microb*) or antiinfect* or anti-infect* or (anti next infect*) or bacter* or antibacter* or anti-bacter* or (anti next bacter*) or antibiot* or anti-biot* or (anti next biot*) or fung* or antifung* or anti-fung* or (anti next fung*) or superbug* or super-bug* or (super next bug*)):ti,ab,kw
#30.	(beta-lactam* or (beta next lactam*)):ti,ab,kw
#31.	(aminoglycoside* or amikacin or amikin or gentamicin or cidomycingenticin or neomycin or

	sulphate or nivemycin or streptomycin or tobramycin or nebcin or tobi or podhaler or tobi or tymbrineb or bramitob or tobravisc):ti,ab,kw
#32.	(carbapenem* or carbepenam* or ertapenem or invanz or imipenem or cilastatin or primaxin or meropenem or meronem):ti,ab,kw
#33.	(cephalosporin* or cefadroxil or cefalexin or ceporex or keflex or cefradine or nicef or cefaclor or distaclor or keftid or cefuroxime or zinnat or aprokam or zinacef or cefixime or suprax or cefotaxime or ceftazidime or fortum or kefadim or ceftriaxone or rocephin or ceftaroline or fosamil or zinforo):ti,ab,kw
#34.	(glycopeptide* or teicoplanin or targocid or telavancin or vibativ or vancomycin or vancocin):ti,ab,kw
#35.	(lincosamide* or clindamycin or dalacin or zindaclin):ti,ab,kw
#36.	(macrolide* or azithromycin or zithromax or zedbac or ayter or clarithromycin or clarie or klaricid or erythromycin or erythrocin or erythrolar or erythroped or erymax or primacine or tiloryth or ofthalmolosa or telithromycin or ketek):ti,ab,kw
#37.	(monobactam* or aztreonam or azactam or cayston):ti,ab,kw
#38.	(nitroimidazole* or metronidazole or flagyl or vaginyl or norzol or metrolyl or tinidazole or fasigyn):ti,ab,kw
#39.	(penicillin* or piperacillin or tazobactam or tazocin or ticarcillin or clavulanic or timentin or benzylpenicillin or crystapen or phenoxymethylpenicillin or amoxicillin or amoxil or amix or amoram or amoxient or galenamox or rimoxallin or ampicillin or penbritin or rimacillin or co-fluampicil or flu-amp or magnapen or co-amoxiclav or augmentin or pivmecillinam or selexid or flucloxacillin or floxapen or flucomix or ladropen or temocillin or negaban):ti,ab,kw
#40.	(polymyxin* or colistimethate or colistin or sulfomethate or colomycin or promixin or colobreathe):ti,ab,kw
#41.	(quinolone* or ciprofloxacin or ciproxin or levofloxacin or evoxil or tavanic or moxifloxacin or avelox or nalidixic acid or norfloxacin or ofloxacin or tarivid or perfloxacin):ti,ab,kw
#42.	(sulfonamide* or co-trimoxazole or fectrim or septrin or sulfadiazine or trimethoprim or trimopan):ti,ab,kw
#43.	(tetracycline* or demeclocycline or doxycycline or vibramycin-d or efracea or lymecycline or tetralysal or minocycline or aknemin or acnamino or minocin or sebomin or oxytetracycline or oxymycin or tigecycline or tygacil):ti,ab,kw
#44.	(chloramphenicol or kemeticine or brochlor or brolene or chloromycetin or golden eye or optrex or klorafect or fosfomycin or fomicyt or fusidic acid or sodium fusidate or fucidin or daptomycin or cubicin or linezolid or zyvox or rifaximin or targaxan or xifaxanta or fidaxomicin or dificlir or tedizolid or sivextro):ti,ab,kw
#45.	(nitrofurantoin or macrobid or methenamine hippurate or hexamine hippurate or hiprex):ti,ab,kw
#46.	(triazole* or fluconazole or diflucan or itraconazole or sporanox or posaconazole or noxafil or voriconazole or vfeed or omoconazole or epoxiconazole):ti,ab,kw
#47.	(imidazole* or clotrimazole or econazole or tioconazole or ketoconazole or miconazole):ti,ab,kw
#48.	(polyene* or amphotericin or fungizone or abelcet or ambisome):ti,ab,kw
#49.	(echinocandin* or anidulafungin or ecalta or caspofungin or candidas or micafungin or mycamine):ti,ab,kw
#50.	(flucytosine or ancotil or griseofulvin or terbinafine or lamisil):ti,ab,kw
#51.	(or #2-#50)
#52.	#1 and #51
	Date parameters: see Table 1

PsycINFO search terms

1.	Standard population (A.2.1)
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2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
	Date parameters: see Table 1

A.4.9 Necrosis

Searches for the following two questions were run as one search:

- What is the most clinical and cost-effective method for managing (suspected) infected necrosis in people with acute pancreatitis?
- What is the most clinically and cost-effective timing of intervention for managing infected necrosis in people with acute pancreatitis?

Medline search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
5.	pancreatitis, acute necrotizing/
6.	5 not 22
7.	Limit 6 to English language
8.	necrosis/
9.	necro*.ti,ab.
10.	or/8-9
11.	4 and 10
12.	7 or 11
13.	surgical procedures, operative/ or minimally invasive surgical procedures/ or endoscopy/ or exp endoscopy, digestive system/ or exp laparoscopy/ or laparotomy/ or drainage/
14.	(surgery or surgical or drainage or endoscop* or laparotom* or laparoscop*).ti,ab.
15.	13 or 14
16.	exp anti-infective agents/ or superinfection/ or exp bacterial infections/
17.	exp aminoglycosides/
18.	exp beta-lactams/
19.	exp glycopeptides/
20.	exp lincosamides/
21.	exp macrolides/
22.	exp nitroimidazoles/
23.	exp polymyxins/
24.	exp quinolones/
25.	exp sulfonamides/
26.	exp trimethoprim/
27.	exp tetracyclines/
28.	exp chloramphenicol/
29.	fusidic acid/
30.	daptomycin/
31.	linezolid/
32.	exp rifamycins/

33.	nitrofurantoin/
34.	methenamine/
35.	exp triazoles/ or exp imidazoles/
36.	exp polyenes/
37.	echinocandins/
38.	flucytosine/
39.	griseofulvin/
40.	(microb* or antimicrob* or anti-microb* or antiinfect* or anti-infect* or bacter* or antibacter* or anti-bacter* or antibiot* or anti-biot* or fung* or antifung* or anti-fung* or superbug* or super-bug*).ti,ab.
41.	beta-lactam*.mp,hw.
42.	(aminoglycoside* or amikacin or amikin or gentamicin or cidomycingenticin or neomycin or sulphate or nivemycin or streptomycin or tobramycin or nebcin or tobi or podhaler or tobi or tymbrineb or bramitob or tobravisc).mp,hw.
43.	(carbapen#m* or ertapenem or invanz or imipenem or cilastatin or primaxin or meropenem or meronem).mp,hw.
44.	(cephalosporin* or cefadroxil or cefalexin or ceporex or keflex or cefradine or nicef or cefaclor or distaclor or keftid or cefuroxime or zinnat or aprokam or zinacef or cefixime or suprax or cefotaxime or ceftazidime or fortum or kefadim or ceftriaxone or rocephin or ceftaroline or fosamil or zinforo).mp,hw.
45.	(glycopeptide* or teicoplanin or targocid or telavancin or vibativ or vancomycin or vancocin).mp,hw.
46.	(lincosamide* or clindamycin or dalacin or zindaclin).mp,hw.
47.	(macrolide* or azithromycin or zithromax or zedbac or ayter or clarithromycin or clarie or klaricid or erythromycin or erythrocin or erythrolar or erythroped or erymax or primacine or tiloryth or oftalmolosa cusi eritromicina or telithromycin or ketek).mp,hw.
48.	(monobactam* or aztreonam or azactam or cayston).mp,hw.
49.	(nitroimidazole* or metronidazole or flagyl or vaginyl or norzol or metrolyl or tinidazole or fasigyn).mp,hw.
50.	(penicillin* or piperacillin or tazobactam or tazocin or ticarcillin or clavulanic acid or timentin or benzylpenicillin or crystapen or phenoxymethylpenicillin or amoxicillin or amoxil or amix or amoram or amoxient or galenamox or rimoxallin or ampicillin or penbritin or rimacillin or co-fluampicil or flu-amp or magnapen or co-amoxiclav or augmentin or pivmecillinam or selexid or flucloxacillin or floxapen or flucomix or ladropen or temocillin or negaban).mp,hw.
51.	(polymyxin* or colistimethate or colistin or sulfomethate or colomycin or promixin or colobreathe).mp,hw.
52.	(quinolone* or ciprofloxacin or ciproxin or levofloxacin or evoxil or tavanic or moxifloxacin or avelox or nalidixic acid or norfloxacin or ofloxacin or tarivid or perfloxacin).mp,hw.
53.	(sulfonamide* or co-trimoxazole or fectrim or septrin or sulfadiazine or trimethoprim or trimopan).mp,hw.
54.	(tetracycline* or demeclocycline or doxycycline or vibramycin-d or efracea or lymecycline or tetralysal or minocycline or aknemin or acnamino or minocin or sebomin or oxytetracycline or oxymycin or tigecycline or tygacil).mp,hw.
55.	(chloramphenicol or kemeticine or brochlor or brolene or chloromycetin or golden eye or optrex or klorafect or fosfomycin or fomicyt or fusidic acid or sodium fusidate or fucidin or daptomycin or cubicin or linezolid or zyvox or rifaximin or targaxan or xifaxanta or fidaxomicin or dificlir or tedizolid or sivextro).mp,hw.
56.	(nitrofurantoin or macrobid or methenamine hippurate or hexamine hippurate or hiprex).mp,hw.
57.	(triazole* or fluconazole or diflucan or itraconazole or sporanox or posaconazole or noxafil or voriconazole or vfend or omoconazole or epoxiconazole).mp,hw.

58.	(imidazole* or clotrimazole or econazole or tioconazole or ketoconazole or miconazole).mp,hw.
59.	(polyene* or amphotericin or fungizone or abelcet or ambisome).mp,hw.
60.	(echinocandin* or anidulafungin or ecalta or caspofungin or candidas or micafungin or mycamine).mp,hw.
61.	(flucytosine or ancotil or griseofulvin or terbinafine or lamisil).mp,hw.
62.	or/16-61
63.	15 or 62
64.	Study filters RCT (A.3.2) or SR (A.3.3) or OBS (A.3.7)
65.	12 and 63 and 64
	Date parameters: see Table 1

Embase search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
5.	acute hemorrhagic pancreatitis/
6.	5 not 2
7.	Limit 6 to English language
8.	necrosis/
9.	necro*.ti,ab.
10.	or/8-9
11.	4 and 10
12.	7 or 11
13.	*surgery/
14.	minimally invasive surgery/
15.	endoscopy/
16.	exp digestive tract endoscopy/
17.	exp laparoscopy/
18.	laparotomy/
19.	exp surgical drainage/
20.	(surgery or surgical or drainage or endoscop* or laparotom* or laparoscop*).ti,ab.
21.	or/13-20
22.	exp antiinfective agent/
23.	exp bacterial infection/ or exp superinfection/
24.	exp *aminoglycoside antibiotic agent/
25.	*amikacin/ or *gentamicin/ or *neomycin/ or *streptomycin/ or *tobramycin/
26.	exp *beta lactam antibiotic/
27.	*carbapenem derivative/ or *carbapenem/ or *ertapenem/ or *cilastatin with imipenem/ or *imipenem/ or *meropenem/
28.	exp *cephalosporin derivative/ or exp *cephalosporin/
29.	*cefadroxil/ or *cefalexin/ or *cefradine/ or *cefaclor/ or *cefuroxime/ or *cefixime/ or *cefotaxime/ or *ceftazidime/ or *ceftriaxone/ or *ceftaroline fosamil/
30.	*glycopeptide/
31.	*teicoplanin/ or *telavancin/ or *vancomycin/

32.	*lincosamide/
33.	*clindamycin/
34.	exp *macrolide/
35.	*azithromycin/ or *clarithromycin/ or *erythromycin/ or *telithromycin/
36.	exp *monobactam derivative/
37.	*aztreonam/
38.	exp *nitroimidazole derivative/ or exp *nitroimidazole/
39.	*metronidazole/ or *tinidazole/
40.	exp *penicillin derivative/
41.	*piperacillin plus tazobactam/ or *ticarcillin/ or *clavulanic acid/ or *penicillin g/ or *penicillin v/ or *amoxicillin/ or *ampicillin/ or *ampicillin plus flucloxacillin/ or *amoxicillin plus clavulanic acid/ or *pivmecillinam/ or *flucloxacillin/
42.	*polymyxin/
43.	*colistin/ or *colistimethate/
44.	exp *quinolone derivative/ or exp *quinolone/
45.	*ciprofloxacin/ or *levofloxacin/ or *moxifloxacin/ or *nalidixic acid/ or *norfloxacin/ or *ofloxacin/ or *perfloxacin/
46.	exp *sulfonamide/ or exp *trimethoprim/ or exp *trimethoprim derivative/
47.	*cotrimoxazole/ or *sulfadiazine/
48.	exp *tetracycline derivative/ or exp *tetracycline/
49.	*demeclocycline/ or *doxycycline/ or *lymecycline/ or *minocycline/ or *oxytetracycline/ or *tigecycline/
50.	*chloramphenicol derivative/ or *chloramphenicol/
51.	*fosfomycin/
52.	*fusidic acid/
53.	*daptomycin/
54.	*linezolid/
55.	*rifaximin/
56.	*fidaxomicin/
57.	*tedizolid/
58.	exp *triazole derivative/
59.	*fluconazole/ or *itraconazole/ or *posaconazole/ or *voriconazole/ or *omoconazole/ or *epoxiconazole/
60.	exp *imidazole derivative/
61.	*clotrimazole/ or *econazole/ or *tioconazole/ or *ketoconazole/ or *miconazole/
62.	exp *polyene antibiotic agent/
63.	*amphotericin/
64.	exp *echinocandin/
65.	*anidulafungin/ or *caspofungin/ or *micafungin/
66.	*flucytosine/ or *griseofulvin/ or *terbinafine/
67.	(microb* or antimicrob* or anti-microb* or antiinfect* or anti-infect* or bacter* or antibacter* or anti-bacter* or antibiot* or anti-biot* or fung* or antifung* or anti-fung* or superbug* or super-bug*).ti,ab.
68.	beta-lactam*.mp,hw.
69.	(aminoglycoside* or amikacin or amikin or gentamicin or cidomyngenticin or neomycin or sulphate or nivemycin or streptomycin or tobramycin or nebcin or tobi or podhaler or tobi or tymbrineb or bramitob or tobravisc).mp,hw.

70.	(carbapen#m* or ertapenem or invanz or imipenem or cilastatin or primaxin or meropenem or meronem).mp,hw.
71.	(cephalosporin* or cefadroxil or cefalexin or ceporex or keflex or cefradine or nicef or cefaclor or distaclor or keftid or cefuroxime or zinnat or aprokam or zinacef or cefixime or suprax or cefotaxime or ceftazidime or fortum or kefadim or ceftriaxone or rocephin or ceftaroline or fosamil or zinforo).mp,hw.
72.	(glycopeptide* or teicoplanin or targocid or telavancin or vibativ or vancomycin or vancocin).mp,hw.
73.	(lincosamide* or clindamycin or dalacin or zindaclin).mp,hw.
74.	(macrolide* or azithromycin or zithromax or zedbac or ayter or clarithromycin or clarie or klaricid or erythromycin or erythrocin or erythrolar or erythroped or erymax or primacine or tiloryth or oftalmolosa cusi eritromicina or telithromycin or ketek).mp,hw.
75.	(monobactam* or aztreonam or azactam or cayston).mp,hw.
76.	(nitroimidazole* or metronidazole or flagyl or vaginyl or norzol or metrolyl or tinidazole or fasigyn).mp,hw.
77.	(penicillin* or piperacillin or tazobactam or tazocin or ticarcillin or clavulanic or timentin or benzylpenicillin or crystapen or phenoxymethylpenicillin or amoxicillin or amoxil or amix or amoram or amoxient or galenamox or rimoxallin or ampicillin or penbritin or rimacillin or co-fluampicil or flu-amp or magnapen or co-amoxiclav or augmentin or pivmecillinam or selexid or flucloxacillin or floxapen or flucomix or ladropen or temocillin or negaban).mp,hw.
78.	(polymyxin* or colistimethate or colistin or sulfomethate or colomycin or promixin or colobreathe).mp,hw.
79.	(quinolone* or ciprofloxacin or ciproxin or levofloxacin or evoxil or tavanic or moxifloxacin or avelox or nalidixic acid or norfloxacin or ofloxacin or tarivid or perfloxacin).mp,hw.
80.	(sulfonamide* or co-trimoxazole or cotrimoxazole or fectrim or septrin or sulfadiazine or trimethoprim or trimopan).mp,hw.
81.	(tetracycline* or demeclocycline or doxycycline or vibramycin-d or efracea or lymecycline or tetralysal or minocycline or aknemin or acnamino or minocin or sebomin or oxytetracycline or oxymycin or tigecycline or tygacil).mp,hw.
82.	(chloramphenicol or kemeticine or brochlor or brolene or chloromycetin or golden eye or optrex or klorafect or fosfomycin or fomicyt or fusidic acid or sodium fusidate or fucidin or daptomycin or cubicin or linezolid or zyvox or rifaximin or targaxan or xifaxanta or fidaxomicin or dificlir or tedizolid or sivextro).mp,hw.
83.	(nitrofurantoin or macrobid or methenamine hippurate or hexamine hippurate or hiprex).mp,hw.
84.	(triazole* or fluconazole or diflucan or itraconazole or sporanox or posaconazole or noxafil or voriconazole or v fend or omoconazole or epoxiconazole).mp,hw.
85.	(imidazole* or clotrimazole or econazole or tioconazole or ketoconazole or miconazole).mp,hw.
86.	(polyene* or amphotericin or fungizone or abelcet or ambisome).mp,hw.
87.	(echinocandin* or anidulafungin or ecalta or caspofungin or candidas or micafungin or mycamine).mp,hw.
88.	(flucytosine or ancotil or griseofulvin or terbinafine or lamisil).mp,hw.
89.	or/22-88
90.	21 or 89
91.	Study filters RCT (A.3.2) or SR (A.3.3) or OBS (A.3.7)
92.	4 and 90 and 91
	Date parameters: see Table 1

Cochrane search terms

#1.	Standard population (A.2.1)
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#2.	MeSH descriptor: (pancreatitis, acute necrotizing) explode all trees
#3.	MeSH descriptor: (necrosis) explode all trees
#4.	necro*:ti,ab
#5.	#3 or #4
#6.	#1 and #6
#7.	#2 or #6
#8.	MeSH descriptor: (surgical procedures, operative) explode all trees
#9.	MeSH descriptor: (minimally invasive surgical procedures) explode all trees
#10.	MeSH descriptor: (endoscopy) explode all trees
#11.	MeSH descriptor: (endoscopy, digestive system) explode all trees
#12.	MeSH descriptor: (laparoscopy) explode all trees
#13.	MeSH descriptor: (laparotomy) explode all trees
#14.	MeSH descriptor: (drainage) explode all trees
#15.	(surgery or surgical or drainage or endoscop* or laparotom* or laparoscop*):ti,ab
#16.	#8 or #9 or #10 or #11 or #12 or #13 or #14 or #15
#17.	MeSH descriptor: (anti-infective agents) explode all trees
#18.	MeSH descriptor: (superinfection) explode all trees
#19.	MeSH descriptor: (bacterial infections) explode all trees
#20.	MeSH descriptor: (aminoglycosides) explode all trees
#21.	MeSH descriptor: (beta-lactams) explode all trees
#22.	MeSH descriptor: (glycopeptides) explode all trees
#23.	MeSH descriptor: (lincosamides) explode all trees
#24.	MeSH descriptor: (macrolides) explode all trees
#25.	MeSH descriptor: (nitroimidazoles) explode all trees
#26.	MeSH descriptor: (polymyxins) explode all trees
#27.	MeSH descriptor: (quinolones) explode all trees
#28.	MeSH descriptor: (sulfonamides) explode all trees
#29.	MeSH descriptor: (trimethoprim) explode all trees
#30.	MeSH descriptor: (tetracyclines) explode all trees
#31.	MeSH descriptor: (chloramphenicol) explode all trees
#32.	MeSH descriptor: (fusidic acid) explode all trees
#33.	MeSH descriptor: (daptomycin) explode all trees
#34.	MeSH descriptor: (linezolid) explode all trees
#35.	MeSH descriptor: (rifamycins) explode all trees
#36.	MeSH descriptor: (nitrofurantoin) explode all trees
#37.	MeSH descriptor: (methenamine) explode all trees
#38.	MeSH descriptor: (azoles) explode all trees
#39.	MeSH descriptor: (polyenes) explode all trees
#40.	MeSH descriptor: (echinocandins) explode all trees
#41.	MeSH descriptor: (flucytosine) explode all trees
#42.	MeSH descriptor: (fosfomicin) explode all trees
#43.	MeSH descriptor: (griseofulvin) explode all trees
#44.	(microb* or antimicrob* or anti-microb* or (anti next microb*) or antiinfect* or anti-infect* or (anti next infect*) or bacter* or antibacter* or anti-bacter* or (anti next bacter*) or antibiot* or anti-biot* or (anti next biot*) or fung* or antifung* or anti-fung* or (anti next fung*) or superbug* or super-bug* or (super next bug*)):ti,ab,kw

#45.	(beta-lactam* or (beta next lactam*)):ti,ab,kw
#46.	(aminoglycoside* or amikacin or amikin or gentamicin or cidomycingenticin or neomycin or sulphate or nivemycin or streptomycin or tobramycin or nebcin or tobi or podhaler or tobi or tymbrineb or bramitob or tobravisc):ti,ab,kw
#47.	(carbapenem* or carbepenam* or ertapenem or invanz or imipenem or cilastatin or primaxin or meropenem or meronem):ti,ab,kw
#48.	(cephalosporin* or cefadroxil or cefalexin or ceporex or keflex or cefradine or nicef or cefaclor or distaclor or keftid or cefuroxime or zinnat or aprokam or zinacef or cefixime or suprax or cefotaxime or ceftazidime or fortum or kefadim or ceftriaxone or rocephin or ceftaroline or fosamil or zinforo):ti,ab,kw
#49.	(glycopeptide* or teicoplanin or targocid or telavancin or vibativ or vancomycin or vancocin):ti,ab,kw
#50.	(lincosamide* or clindamycin or dalacin or zindaclin):ti,ab,kw
#51.	(macrolide* or azithromycin or zithromax or zedbac or ayter or clarithromycin or clarie or klaricid or erythromycin or erythrocin or erythrolar or erythroped or erymax or primacine or tiloryth or oftalmolosa or telithromycin or ketek):ti,ab,kw
#52.	(monobactam* or aztreonam or azactam or cayston):ti,ab,kw
#53.	(nitroimidazole* or metronidazole or flagyl or vaginyl or norzol or metrolyl or tinidazole or fasigyn):ti,ab,kw
#54.	(penicillin* or piperacillin or tazobactam or tazocin or ticarcillin or clavulanic or timentin or benzylpenicillin or crystapen or phenoxymethylpenicillin or amoxicillin or amoxil or amix or amoram or amoxient or galenamox or rimoxallin or ampicillin or penbritin or rimacillin or co-fluampicil or flu-amp or magnapen or co-amoxiclav or augmentin or pivmecillinam or selexid or flucloxacillin or floxapen or flucomix or ladropen or temocillin or negaban):ti,ab,kw
#55.	(polymyxin* or colistimethate or colistin or sulfomethate or colomycin or promixin or colobreathe):ti,ab,kw
#56.	(quinolone* or ciprofloxacin or ciproxin or levofloxacin or evoxil or tavanic or moxifloxacin or avelox or nalidixic acid or norfloxacin or ofloxacin or tarivid or perfloxacin):ti,ab,kw
#57.	(sulfonamide* or co-trimoxazole or fectrim or septrin or sulfadiazine or trimethoprim or trimopan):ti,ab,kw
#58.	(tetracycline* or demeclocycline or doxycycline or vibramycin-d or efracea or lymecycline or tetralysal or minocycline or aknemin or acnamino or minocin or sebomin or oxytetracycline or oxymycin or tigecycline or tygacil):ti,ab,kw
#59.	(chloramphenicol or kemicetine or brochlor or brolene or chloromycetin or golden eye or optrex or klorafect or fosfomycin or fomicyt or fusidic acid or sodium fusidate or fucidin or daptomycin or cubicin or linezolid or zyvox or rifaximin or targaxan or xifaxanta or fidaxomicin or dificlir or tedizolid or sivextro):ti,ab,kw
#60.	(nitrofurantoin or macrobid or methenamine hippurate or hexamine hippurate or hiprex):ti,ab,kw
#61.	(triazole* or fluconazole or diflucan or itraconazole or sporanox or posaconazole or noxafil or voriconazole or vfend or omoconazole or epoxiconazole):ti,ab,kw
#62.	(imidazole* or clotrimazole or econazole or tioconazole or ketoconazole or miconazole):ti,ab,kw
#63.	(polyene* or amphotericin or fungizone or abelcet or ambisome):ti,ab,kw
#64.	(echinocandin* or anidulafungin or ecalta or caspofungin or candidas or micafungin or mycamine):ti,ab,kw
#65.	(flucytosine or ancotil or griseofulvin or terbinafine or lamisil):ti,ab,kw
#66.	(or #17-#65)
#67.	#16 or #66
#68.	#7 and #67
	Date parameters: see Table 1

PsycINFO search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
	Date parameters: see Table 1

A.4.10 Pain management

Searches for the following four questions were run as one search:

- What is the most clinically and cost-effective intervention for managing pain in people with chronic pancreatitis?
- What is the most clinically and cost-effective intervention for managing pancreatic duct obstruction, with or without an inflammatory mass, in people with chronic pancreatitis presenting with pain?
- What is the most clinically and cost-effective intervention for managing pseudocysts in people with pancreatitis presenting with or without pain?
- What is the most clinically and cost-effective intervention for managing small-duct disease (in the absence of pancreatic duct obstruction, inflammatory mass or pseudocyst) in people with chronic pancreatitis presenting with pain?

Medline search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
5.	exp narcotics/
6.	(opioid* or opiate* or narcotic*).ti,ab.
7.	morphine/
8.	(morphine or astramorph or avinza or depodur or duramorph or embeda or infumorph or kadian or m-eslon or morcap or morphia or ms contin or msir or mst or nepenthe or oramorph or rescudose or rms or roxanol or sevredol or statex or zomorph).ti,ab.
9.	opium/
10.	(opium or omnopon or pantopon or papaveretum).ti,ab.
11.	hydromorphone/
12.	(hydromorphone or dihydromorphinone or dilaudid or dimorphone or exalgo or hydmrphn or hydromorph* or hydrostat or hymorphan or laudicon or novolauden or palladone).ti,ab.
13.	nicomorphine.ti,ab.
14.	exp oxycodone/
15.	(oxycodone or dazidox or dihydrohydroxycodone or dihydrone or dinarkon or endocodone or eth-oxydose or eucodal or hydroxycodone or m-oxy or oxiconum or oxycdn or oxycone or oxycontin or oxyfast or oxyir or pancodine or percocet or percolone or remoxy or roxicodone or theocodin).ti,ab.
16.	(dihydrocodeine or contugesic or dhc mundipharma or dicodin or dihydcdn or paracodin or paramol or parzone or rikodeine or tiamon or tosidrin or tuscodin).ti,ab.
17.	(diamorphine or acetomorphine or diacetylmorphine or diagesil or diamorf or heroin or min-i-jet morphine sulfate or skag).ti,ab.
18.	exp codeine/
19.	(codeine or ardinex or galcodine or isocodeine or methyl morphine or rx 336m or stanley-

	linctus or stanley-syrup).ti,ab.
20.	ketobemidone.ti,ab.
21.	exp meperidine/
22.	(pethidine or demerol or dolantin or dolargan or dolcontral or dolosal or dolsin or isonipeccain or isonipeccaine hydrochloride or lydol or meperidine or operidine epj or pethilorfan).ti,ab.
23.	exp fentanyl/
24.	(fentanyl or abstral or actiq or duragesic or fentanest or fentora or fentyl or ionsys or matrifen or nasalfent or onsolis or oralet or phentanyl or sublimaze).ti,ab.
25.	exp dextromoramide/
26.	dextromoramide.ti,ab.
27.	(piritramide or dipidolor or dipydolor or piridolan or pirium).ti,ab.
28.	exp dextropropoxyphene/
29.	(dextropropoxyphene or darvon or dolene or doloxene or levopropoxyphene or pp-cap or propoxyphene or proxyphen).ti,ab.
30.	(bezitramide or burgodin).ti,ab.
31.	exp methadone/
32.	(methadone or adanon or althose or amidines or amidone or biodone or diskets or dolophine or heptadon or metadol or metasedin or methaddict or metharose or methadose or methdn or methex or phy or phymet or physeptone or pinadone or symoron).ti,ab.
33.	exp benzomorphans/
34.	exp pentazocine/
35.	(pentazocine or fortral or fortwin or lexir or talacen or talwin).ti,ab.
36.	exp phenazocine/
37.	(phenazocine or prinadol or narphen).ti,ab.
38.	oripavine.ti,ab.
39.	exp buprenorphine/
40.	(buprenorphine or '6029-m' or buprenex or buprex or prefin or suboxone or subutex or temgesic).ti,ab.
41.	exp etorphine/
42.	(etorphine or immobilon or m99).ti,ab.
43.	exp morphinans/
44.	exp butorphanol/
45.	(butorphanol or 'bc2627' or beforal or dolorex or moradol or stadol or torbugesic).ti,ab.
46.	exp tilidine/
47.	(tilidine or tilidate or valoron or valtran or tilidin).ti,ab.
48.	exp tramadol/
49.	(tramadol or 'k-315' or ralivia or ryzolt or tramahexal or tramake insts or tramal* or tramedo or ultram or zamadol or zydol).ti,ab.
50.	(dezocine or dalgan or 'wy-16225').ti,ab.
51.	exp meptazinol/
52.	(meptazinol or meptid).ti,ab.
53.	(tapentadol or cg5503 or nucynta).ti,ab.
54.	(remifentanyl or 'gi 87084b' or remifentanyl or ultiva).ti,ab.
55.	exp procaine/
56.	(procaine or allocaine or anuject or gerokit or mercaine or novocaine or procaina serra).ti,ab.
57.	alfentanil.ti,ab.
58.	(alfenta or alfentanyl or fanaxal or limifen or rapifen).ti,ab.

59.	(dipipanone or co-dydramol or co-codamaol).ti,ab.
60.	analgesics/ or analgesics, non-narcotic/
61.	(non-steroid* or non-narcotic* or analgesic* or pharmacolog*).ti,ab.
62.	somatostatin/
63.	octreotide/
64.	(somatostatin* or octreotide or sandostatin or lanreotide or somatuline).ti,ab.
65.	acetaminophen/
66.	(aspirin or acetaminophen or paracetamol or panadol or perfalgan or nefopam or acupan).ti,ab.
67.	anti-inflammatory agents, non-steroidal/ or aspirin/ or diclofenac/ or flurbiprofen/ or ibuprofen/ or ketoprofen/ or ketorolac/ or ketorolac tromethamine/ or meclofenamic acid/ or mefenamic acid/ or naproxen/ or phenylbutazone/ or piroxicam/ or sulindac/
68.	ziconotide.ti,ab.
69.	(nsaid* or ibuprofen or aspirin or naproxen or fenoprofen or flurbiprofen or ketoprofen or dexketoprofen or dexibuprofen or tiaprofenic acid or diclofenac or aceclofenac or indometacin or mefenamic acid or meloxicam or nabumetone or phenylbutazone or piroxicam or sulindac or tenoxicam or tolfenamic acid or ketorolac or celecoxib or etoricoxib or aceclofenac or acemetacin or diclofenac or etodolac).ti,ab.
70.	nerve block/
71.	((nerve or percutaneous or splanchnic or subarachnoid or celiac or coeliac* or solar) adj1 block*).ti,ab.
72.	((celiac or coeliac* or solar) adj1 plexus).ti,ab.
73.	celiac plexus/
74.	splanchnic nerves/
75.	spinal cord stimulation/
76.	((spinal cord* or dorsal column) adj2 stimulation*).ti,ab.
77.	splanchnicectomy*.ti,ab.
78.	neurolysis/
79.	(neurolys* or neurolytic*).ti,ab.
80.	cholangiopancreatography, endoscopic retrograde/
81.	(endoscopic retrograde cholangiopancreatograph* or ercp).ti,ab.
82.	endoscopy, gastrointestinal/ or endoscopy, digestive system/
83.	(balloon adj dilatation*).ti,ab.
84.	dilatation/
85.	stents/ or self expandable metallic stents/
86.	(stent* or endoprothes* or wallstent*).ti,ab.
87.	sphincterotomy, endoscopic/
88.	sphincterotom*.ti,ab.
89.	drainage/
90.	lithotripsy/
91.	(extracorporeal shock wave lithotripsy* or eswl).ti,ab.
92.	(stone adj (extract* or remov*).ti,ab.
93.	(endoscop* or endotherap* or minimally invasive).ti,ab.
94.	endoscopy/
95.	(pancreaticojejunostom* or pancreatico-jejunostom* or puestow).ti,ab.
96.	anastomosis, roux-en-y/ or pancreaticojejunostomy/
97.	roux-en-y.ti,ab.

98.	anastomos*.ti,ab.
99.	frey*.ti,ab.
100.	(partington adj rochelle).ti,ab.
101.	beger.ti,ab.
102.	pancreaticoduodenectomy/
103.	(pancreaticoduodenectom* or pancreatico-duodenectom* or pancreatoduodenectom* or pancreato-duodenectom* or whipple).ti,ab.
104.	surgical procedures, operative/
105.	pancreatectomy/
106.	(pancreatectom* or resect* or operat* or drain* or denervat* or decompress* or surg*).ti,ab.
107.	decompression, surgical/
108.	(cystogastrostom* or cysto gastrostom* or cyst-gastrostom*).ti,ab.
109.	(cystojejunostom* or cysto jejunostom* or cyst-jejunosom*).ti,ab.
110.	(cystoduodenostom* or cysto duodenostom* or cyst-duodenostom*).ti,ab.
111.	(pseudocystogastrostom* or pseudo cystogastrostom* or pseudocyst-gastrostom*).ti,ab.
112.	(pseudocystojejunostom* or pseudo cystojejunostom* or pseudocyst-jejunosom*).ti,ab.
113.	(pseudocystoduodenostom* or pseudo cystoduodenostom* or pseudocyst-duodenostom*).ti,ab.
114.	(hepatico-jejunosom* or hepaticojejunosom* or hepatojejunosom* or hepato-jejunosom* or hepat* jejunostom*).ti,ab.
115.	(pylorus preserving pancreatoduodectom* or pppd).ti,ab.
116.	v-shaped excision.ti,ab.
117.	sphincteroplast*.ti,ab.
118.	exp psychotherapy/
119.	biofeedback, psychology/
120.	(behavio?r* adj therap*).ti,ab.
121.	(cognitive adj2 therap*).ti,ab.
122.	(relax* adj2 (therap* or technique*)).ti,ab.
123.	(meditat* or psychotherap*).ti,ab.
124.	(psychological adj (treatment* or therap*)).ti,ab.
125.	(group* adj therap*).ti,ab.
126.	(self-regulat* adj train*).ti,ab.
127.	(coping adj skill*).ti,ab.
128.	(pain-related adj thought*).ti,ab.
129.	(behavio?r* adj2 rehabilitat*).ti,ab.
130.	((psychoeducation or psycho-education) adj1 group*).ti,ab.
131.	exp mind-body therapies/
132.	((mind and body) adj (relaxation or therap*)).ti,ab.
133.	enzyme replacement therapy/
134.	exp pancreatic extracts/
135.	exp enzymes/tu (therapeutic use)
136.	(digest* adj2 enzyme*).ti,ab.
137.	(enzyme adj2 (replacement or therap*)).ti,ab.
138.	ert.ti,ab.
139.	(creon or nutrizym or pancrease or pancrex or pankreon or viokase).ti,ab.
140.	(pancreatin or pancrelipase).ti,ab.

141.	exp antioxidants/
142.	beta carotene/ or curcumin/ or methionine/ or allopurinol/ or glutathione/ or sodium selenite/ or acetylcysteine/ or flavonoids/ or riboflavin/ or zinc/ or magnesium/
143.	exp oxidation-reduction/
144.	exp free radical scavengers/
145.	(antioxidant* or anti-oxidant* or micronutrient* or micro-nutrient*).ti,ab.
146.	(ascorbic acid or bilirubin or butylated hydroxyanisole or butylated hydroxytoluene or butylcresol or canthaxanthin or canthaxanthine or carotenoid* or catalase or ergothioneine or thioneine or grape seed extract or melatonin or nordihydroguaiaretic acid or masoprocol or probucol or superlipid or propyl gallate or pyrogallol or pyrogallic acid or gallic acid or quercetin or dikvertin or selenium or silymarin or milk thistle or silimarin or thioctic acid or lipoic acid or tocopherol* or tocotrienol* or uric acid or trioxopurine or urate or vitamin e or vitamin c or vitamin a or retinol or carotene* or curcumin or methionine or allopurin* or glutathione or sodium selenite or acetylcysteine or zinc or magnesium or riboflavin or flavone* or flavonoid*).ti,ab.
147.	(free radical adj2 scaveng*).ti,ab.
148.	(reduct* adj2 oxidat*).ti,ab.
149.	or/5-148
150.	Study filters RCT (A.3.2) or SR (A.3.3) or OBS (A.3.7)
151.	4 and 149 and 150
	Date parameters: see Table 1

Embase search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
5.	exp *narcotic agent/
6.	(opioid* or opiate* or narcotic*).ti,ab.
7.	(morphine or astramorph or avinza or depodur or duramorph or embeda or infumorph or kadian or m-eslon or morcap or morphia or ms contin or msir or mst or nepenthe or oramorph or rescudose or rms or roxanol or sevredol or statex or zomorph).ti,ab.
8.	*opiate/
9.	(opium or omnopon or pantopon or papaveretum).ti,ab.
10.	(hydromorphone or dihydromorphinone or dilaudid or dimorphone or exalgo or hydmrphn or hydromorph* or hydrostat or hymorphan or laudicon or novolauden or palladone).ti,ab.
11.	nicomorphine.ti,ab.
12.	(oxycodone or dazidox or dihydrohydroxycodone or dihydrone or dinarkon or endocodone or eth-oxydose or eucodal or hydroxycodone or m-oxy or oxiconum or oxycdn or oxycone or oxycontin or oxyfast or oxyir or pancodine or percocet or percolone or remoxy or roxicodone or theocodin).ti,ab.
13.	(dihydrocodeine or contugesic or dhc mundipharma or dicodin or dihydcn or paracodin or paramol or parzone or rikodeine or tiamon or tosidrin or tuscodin).ti,ab.
14.	(diamorphine or acetomorphine or diacetylmorphine or diagesil or diamorf or heroin or min-i-jet morphine sulfate or skag).ti,ab.
15.	(codeine or ardinex or galcodine or isocodeine or methyl morphine or rx 336m or stanley-linctus or stanley-syrup).ti,ab.
16.	ketobemidone.ti,ab.
17.	(pethidine or demerol or dolantin or dolargan or dolcontral or dolosal or dolsin or isonipecaïn or isonipecaïne hydrochloride or lydol or meperidine or operidine epj or pethilorfan).ti,ab.

18.	(fentanyl or abstral or actiq or duragesic or fentanest or fentora or fentyl or ionsys or matrifen or nasalfent or onsolis or oralet or phentanyl or sublimaze).ti,ab.
19.	dextromoramide.ti,ab.
20.	(pirtamide or dipidolor or dipydolor or piridolan or pirium).ti,ab.
21.	(dextropropoxyphene or darvon or dolene or doloxene or levopropoxyphene or pp-cap or propoxyphene or proxyphen).ti,ab.
22.	(bezitramide or burgodin).ti,ab.
23.	(methadone or adanon or althose or amidines or amidone or biodone or diskets or dolophine or heptadon or metadol or metasedin or methaddict or metharose or methadose or methdn or methex or phy or phymet or physeptone or pinadone or symoron).ti,ab.
24.	exp *benzomorphan derivative/
25.	exp *pentazocine lactate/ or exp *pentazocine/ or exp *paracetamol plus pentazocine/ or exp *naloxone plus pentazocine/
26.	(pentazocine or fortral or fortwin or lexir or talacen or talwin).ti,ab.
27.	exp *phenazocine/
28.	(phenazocine or prinadol or narphen).ti,ab.
29.	oripavine.ti,ab.
30.	(buprenorphine or '6029-m' or buprenex or buprex or prefin or suboxone or subutex or temgesic).ti,ab.
31.	(etorphine or immobilon or m99).ti,ab.
32.	exp *morphinan derivative/
33.	exp *butorphanol tartrate/ or exp *butorphanol/
34.	(butorphanol or 'bc2627' or beforal or dolorex or moradol or stadol or torbugesic).ti,ab.
35.	(tilidine or tilidate or valoron or valtran or tilidin).ti,ab.
36.	exp *tramadol/ or exp *paracetamol plus tramadol/
37.	(tramadol or 'k-315' or ralivia or ryzolt or tramahexal or tramake insts or tramal* or tramedo or ultram or zamadol or zydol).ti,ab.
38.	(dezocine or dalgan or 'wy-16225').ti,ab.
39.	exp *meptazinol/
40.	(meptazinol or meptid).ti,ab.
41.	(tapentadol or cg5503 or nucynta).ti,ab.
42.	(remifentanil or 'gi 87084b' or remifentanyl or ultiva).ti,ab.
43.	exp *penicillin g sodium plus procaine penicillin/ or exp *procaine/ or exp *adrenalin plus procaine/ or exp *penicillin g sodium plus procaine penicillin plus streptomycin sulfate/ or exp *penicillin g potassium plus procaine penicillin plus streptomycin sulfate/ or exp *procaine penicillin/ or exp *penicillin g potassium plus procaine penicillin/ or exp *benzathine penicillin plus procaine penicillin/ or exp *procaine penicillin plus streptomycin sulfate/
44.	(procaine or allocaine or anuject or gerokit or mericaine or novocaine or procaina serra).ti,ab.
45.	exp *cocodamol/
46.	alfentanil.ti,ab.
47.	(alfenta or alfentanyl or fanaxal or limifen or rapifen).ti,ab.
48.	(dipipanone or co-dydramol or co-codamaol).ti,ab.
49.	exp *paracetamol/ or exp *nonsteroid antiinflammatory agent/ or exp *analgesic agent/
50.	(non-steroid* or non-narcotic* or analgesic* or pharmacolog*).ti,ab.
51.	exp *somatostatin/
52.	exp *octreotide/
53.	(somatostatin* or octreotide or sandostatin or lanreotide or somatuline).ti,ab.

54.	(aspirin or acetaminophen or paracetamol or panadol or perfalgan or nefopam or acupan).ti,ab.
55.	ziconotide.ti,ab.
56.	(nsaid* or ibuprofen or aspirin or naproxen or fenoprofen or flurbiprofen or ketoprofen or dexketoprofen or dexibuprofen or tiaprofenic acid or diclofenac or aceclofenac or indometacin or mefenamic acid or meloxicam or nabumetone or phenylbutazone or piroxicam or sulindac or tenoxicam or tolfenamic acid or ketorolac or celecoxib or etoricoxib or aceclofenac or acetmetacin or diclofenac or etodolac).ti,ab.
57.	exp nerve block/
58.	celiac plexus/
59.	splanchnic nerve/
60.	spinal cord stimulation/
61.	neurolysis/
62.	((nerve or percutaneous or splanchnic or subarachnoid or celiac or coeliac* or solar) adj1 block*).ti,ab.
63.	((celiac or coeliac* or solar) adj1 plexus).ti,ab.
64.	((spinal cord* or dorsal column) adj2 stimulation*).ti,ab.
65.	splanchnicectomy*.ti,ab.
66.	(neurolys* or neurolytic*).ti,ab.
67.	endoscopic retrograde cholangiopancreatography/
68.	(endoscopic retrograde cholangiopancreatograph* or ercp).ti,ab.
69.	digestive tract endoscopy/ or gastrointestinal endoscopy/
70.	(balloon adj dilatation*).ti,ab.
71.	dilatation/
72.	stent/
73.	self expandable metallic stent/
74.	(stent* or endoprothes* or wallstent*).ti,ab.
75.	endoscopic sphincterotomy/
76.	sphincterotom*.ti,ab.
77.	exp surgical drainage/
78.	exp lithotripsy/
79.	(extracorporeal shock wave lithotripsy* or eswl).ti,ab.
80.	(stone adj (extract* or remov*)).ti,ab.
81.	(endoscop* or endotherap* or minimally invasive).ti,ab.
82.	endoscopy/
83.	(pancreaticojejunostom* or pancreatico-jejunostom* or puestow).ti,ab.
84.	pancreas surgery/ or pancreaticojejunostomy/
85.	roux y anastomosis/
86.	roux-en-y.ti,ab.
87.	anastomos*.ti,ab.
88.	frey*.ti,ab.
89.	(partington adj rochelle).ti,ab.
90.	beger.ti,ab.
91.	pancreaticoduodenectomy/
92.	(pancreaticoduodenectom* or pancreatico-duodenectom* or pancreatoduodenectom* or pancreato-duodenectom* or whipple).ti,ab.
93.	surgical technique/

94.	pancreas resection/
95.	(pancreatectom* or resect* or operat* or drain* or denervat* or decompress* or surg*).ti,ab.
96.	decompression surgery/
97.	(cystogastrostom* or cysto gastrostom* or cyst-gastrostom*).ti,ab.
98.	(cystojejunostom* or cysto jejunostom* or cyst-jejunostom*).ti,ab.
99.	(cystoduodenostom* or cysto duodenostom* or cyst-duodenostom*).ti,ab.
100.	(pseudocystogastrostom* or pseudo cystogastrostom* or pseudocyst-gastrostom*).ti,ab.
101.	(pseudocystojejunostom* or pseudo cystojejunostom* or pseudocyst-jejunostom*).ti,ab.
102.	(pseudocystoduodenostom* or pseudo cystoduodenostom* or pseudocyst-duodenostom*).ti,ab.
103.	(hepatico-jejunostom* or hepaticojejunostom* or hepatojejunostom* or hepato-jejunostom* or hepatic jejunostom*).ti,ab.
104.	(pylorus preserving pancreatoduodectom* or pppd).ti,ab.
105.	v-shaped excision.ti,ab.
106.	sphincteroplast*.ti,ab.
107.	exp psychotherapy/
108.	psychophysiology/
109.	(behavio?r* adj therap*).ti,ab.
110.	(cognitive adj2 therap*).ti,ab.
111.	(relax* adj2 (therap* or technique*)).ti,ab.
112.	(meditat* or psychotherap*).ti,ab.
113.	(psychological adj (treatment* or therap*)).ti,ab.
114.	(group* adj therap*).ti,ab.
115.	(self-regulat* adj train*).ti,ab.
116.	(coping adj skill*).ti,ab.
117.	(pain-related adj thought*).ti,ab.
118.	(behavio?r* adj2 rehabilitat*).ti,ab.
119.	((psychoeducation or psycho-education) adj1 group*).ti,ab.
120.	alternative medicine/
121.	((mind and body) adj (relaxation or therap*)).ti,ab.
122.	enzyme replacement/
123.	pancreas extract/
124.	exp enzyme/th (therapy)
125.	(digest* adj2 enzyme*).ti,ab.
126.	(enzyme adj2 (replacement or therap*)).ti,ab.
127.	ert.ti,ab.
128.	(creon or nutrizym or pancrease or pancrex or pankreon or viokase).ti,ab.
129.	(pancreatin or pancrelipase).ti,ab.
130.	oxidation reduction reaction/
131.	antioxidant activity/
132.	scavenger/
133.	ascorbic acid/ or bilirubin/ or butylated hydroxyanisole/ or butylcresol/ or canthaxanthin/ or carotenoid/ or catalase/ or thioneine/ or grape seed extract/ or melatonin/ or nordihydroguaiaretic acid/ or probucol/ or gallic acid propyl ester/ or pyrogallol/ or quercetin/ or flavonoid/ or selenium/ or silymarin/ or thioctic acid/ or tocopherol/ or alpha tocotrienol/ or uric acid/ or urate/ or retinol/ or carotene/ or curcumin/ or methionine/ or flavone/ or beta carotene/ or allopurinol/ or glutathione/ or sodium selenite/ or acetylcysteine/ or riboflavin/

	or zinc/ or magnesium/
134.	(antioxidant* or anti-oxidant* or micronutrient* or micro-nutrient*).ti,ab.
135.	(ascorbic acid or bilirubin or butylated hydroxyanisole or butylated hydroxytoluene or butylcresol or canthaxanthin or canthaxanthine or carotenoid* or catalase or ergothioneine or thioneine or grape seed extract or melatonin or nordihydroguaiaretic acid or masoprocol or probucol or superlipid or propyl gallate or pyrogallol or pyrogallic acid or gallic acid or quercetin or dikvertin or selenium or silymarin or milk thistle or silimarin or thioctic acid or lipoic acid or tocopherol* or tocotrienol* or uric acid or trioxopurine or urate or vitamin e or vitamin c or vitamin a or retinol or carotene* or curcumin or methionine or allopurin* or glutathione or sodium selenite or acetylcysteine or zinc or magnesium or riboflavin or flavone* or flavonoid*).ti,ab.
136.	(free radical adj2 scaveng*).ti,ab.
137.	(reduct* adj2 oxidat*).ti,ab.
138.	or/5-137
139.	Study filters RCT (A.3.2) or SR (A.3.3) or OBS (A.3.7)
140.	4 and 138 and 139
	Date parameters: see Table 1

Cochrane search terms

#1.	Standard population (A.2.1)
#2.	(mh narcotics)
#3.	(opioid* or opiate* or narcotic*).ti,ab
#4.	(mh ^morphine)
#5.	(morphine or astramorph or avinza or depodur or duramorph or embeda or infumorph or kadian or m-eslon or morcap or morphia or ms contin or msir or mst or nepenthe or oramorph or rescudose or rms or roxanol or sevredol or statex or zomorph):ti,ab
#6.	(mh ^opium)
#7.	(opium or omnopon or pantopon or papaveretum):ti,ab
#8.	(mh ^hydromorphone)
#9.	(hydromorphone or dihydromorphinone or dilaudid or dimorphone or exalgo or hydmrphn or hydromorph* or hydrostat or hymorphan or laudicon or novolauden or palladone):ti,ab
#10.	nicomorphine:ti,ab
#11.	(mh oxycodone)
#12.	(oxycodone or dazidox or dihydrohydroxycodone or dihydrone or dinarkon or endocodone or eth-oxydose or eucodal or hydroxycodone or m-oxy or oxiconum or oxycdn or oxycone or oxycontin or oxyfast or oxyir or pancodine or percocet or percolone or remoxy or roxicodone or theocodin):ti,ab
#13.	(dihydrocodeine or contugesic or dhc mundipharma or dicodin or dihydcn or paracodin or paramol or parzone or rikodeine or tiamon or tosidrin or tuscodin):ti,ab
#14.	(diamorphine or acetomorphine or diacetylmorphine or diagesil or diamorf or heroin or min-i-jet morphine sulfate or skag):ti,ab
#15.	(mh codeine)
#16.	(codeine or ardinex or galcodine or isocodeine or methyl morphine or rx 336m or stanley-linctus or stanley-syrup):ti,ab
#17.	ketobemidone:ti,ab
#18.	(mh meperidine)
#19.	(pethidine or demerol or dolantin or dolargan or dolcontral or dolosal or dolsin or isonipeccain or isonipeccaine hydrochloride or lydol or meperidine or operidine epj or pethilorfan):ti,ab
#20.	(mh fentanyl)
#21.	(fentanyl or abstral or actiq or duragesic or fentanest or fentora or fentyl or ionsys or matrifen

	or nasalfent or onsolis or oralet or phentanyl or sublimaze):ti,ab
#22.	(mh dextromoramide)
#23.	dextromoramide:ti,ab
#24.	(piritramide or dipidolor or dipydolor or piridolan or pirium):ti,ab
#25.	(mh dextropropoxyphene)
#26.	(dextropropoxyphene or darvon or dolene or doloxene or levopropoxyphene or pp-cap or propoxyphene or proxyphen):ti,ab
#27.	(bezitramide or burgodin):ti,ab
#28.	(mh methadone)
#29.	(methadone or adanon or althose or amidines or amidone or biodone or diskets or dolophine or heptadon or metadol or metasedin or methaddict or metharose or methadose or methdn or methex or phy or phymet or physeptone or pinadone or symoron):ti,ab
#30.	(mh benzomorphans)
#31.	(mh pentazocine)
#32.	(pentazocine or fortral or fortwin or lexir or talacen or talwin):ti,ab
#33.	(mh phenazocine)
#34.	(phenazocine or prinadol or narphen):ti,ab
#35.	oripavine:ti,ab
#36.	(mh buprenorphine)
#37.	(buprenorphine or '6029-m' or buprenex or buprex or prefin or suboxone or subutex or temgesic):ti,ab
#38.	(mh etorphine)
#39.	(etorphine or immobilon or m99):ti,ab
#40.	(mh morphinans)
#41.	(mh butorphanol)
#42.	(butorphanol or 'bc2627' or beforal or dolorex or moradol or stadol or torbugesic):ti,ab
#43.	(mh tilidine)
#44.	(tilidine or tilidate or valoron or valtran or tilidin):ti,ab
#45.	(mh tramadol)
#46.	(tramadol or 'k-315' or ralivia or ryzolt or tramahexal or tramake insts or tramal* or tramedo or ultram or zamadol or zydol):ti,ab
#47.	(dezocine or dalgan or 'wy-16225'):ti,ab
#48.	(mh meptazinol)
#49.	(meptazinol or meptid):ti,ab
#50.	(tapentadol or cg5503 or nucynta):ti,ab
#51.	(remifentanil or 'gi 87084b' or remifentanyl or ultiva):ti,ab
#52.	(mh procaine)
#53.	(procaine or allocaine or anuject or gerokit or mericaine or novocaine or procaina serra):ti,ab
#54.	(alfenta or alfentanyl or fanaxal or limifen or rapifen):ti,ab
#55.	(dipipanone or co-dydramol or co-codamaol):ti,ab
#56.	(mh ^analgesics)
#57.	(mh ^"analgesics, non-narcotic")
#58.	(non-steroid* or non-narcotic* or analgesic* or pharmacolog*):ti,ab
#59.	(mh ^somatostatin)
#60.	(mh ^octreotide)
#61.	(somatostatin* or octreotide or sandostatin or lanreotide or somatuline):ti,ab

#62.	(mh acetaminophen)
#63.	(aspirin or acetaminophen or paracetamol or panadol or perfalgan or nefopam or acupan):ti,ab
#64.	(mh ^"anti-inflammatory agents, non-steroidal")
#65.	(mh ^aspirin)
#66.	(mh ^diclofenac)
#67.	(mh ^flurbiprofen)
#68.	(mh ^ibuprofen)
#69.	(mh ^ketoprofen)
#70.	(mh ^ketorolac)
#71.	(mh ^"ketorolac tromethamine")
#72.	(mh ^"meclofenamic acid")
#73.	(mh ^"mefenamic acid")
#74.	(mh ^naproxen)
#75.	(mh ^phenylbutazone)
#76.	(mh ^piroxicam)
#77.	(mh ^sulindac)
#78.	ziconotide:ti,ab
#79.	(nsaid* or ibuprofen or aspirin or naproxen or fenoprofen or flurbiprofen or ketoprofen or dexketoprofen or dexibuprofen or tiaprofenic acid or diclofenac or aceclofenac or indometacin or mefenamic acid or meloxicam or nabumetone or phenylbutazone or piroxicam or sulindac or tenoxicam or tolfenamic acid or ketorolac or celecoxib or etoricoxib or aceclofenac or acemetacin or diclofenac or etodolac):ti,ab
#80.	(mh ^"nerve block")
#81.	((nerve or percutaneous or splanchnic or subarachnoid or celiac or coeliac* or solar) near/1 block*):ti,ab
#82.	((celiac or coeliac* or solar) near/1 plexus):ti,ab
#83.	(mh ^"celiac plexus")
#84.	(mh ^"splanchnic nerves")
#85.	(mh ^"spinal cord stimulation")
#86.	((spinal cord* or dorsal column) near/2 stimulation*):ti,ab
#87.	splanchnicectomy*:ti,ab
#88.	(mh ^neurolysis)
#89.	(neurolys* or neurolytic*):ti,ab
#90.	(mh ^"cholangiopancreatography, endoscopic retrograde")
#91.	(endoscopic retrograde cholangiopancreatograph* or ercp):ti,ab
#92.	(mh ^"endoscopy, gastrointestinal")
#93.	(mh ^"endoscopy, digestive system")
#94.	balloon next dilatation*:ti,ab
#95.	(mh ^dilatation)
#96.	(mh ^stents)
#97.	(mh ^"self expandable metallic stents")
#98.	(stent* or endoprosthesis* or wallstent*):ti,ab
#99.	(mh ^"sphincterotomy, endoscopic")
#100.	sphincterotomy*:ti,ab
#101.	(mh ^drainage)

#102.	(mh ^lithotripsy)
#103.	(extracorporeal shock wave lithotripsy* or eswl):ti,ab
#104.	(stone next (extract* or remov*)):ti,ab
#105.	(endoscop* or endotherap* or minimally invasive):ti,ab
#106.	(mh ^endoscopy)
#107.	(pancreaticojejunostom* or pancreatico-jejunostom* or puestow):ti,ab
#108.	(mh ^"anastomosis, roux-en-y")
#109.	(mh ^pancreaticojejunostomy)
#110.	roux-en-y:ti,ab
#111.	anastomos*:ti,ab
#112.	frey*:ti,ab
#113.	(partington next rochelle):ti,ab
#114.	beger:ti,ab
#115.	(mh ^pancreaticoduodenectomy)
#116.	(pancreaticoduodenectom* or pancreatico-duodenectom* or pancreatoduodenectom* or pancreato-duodenectom* or whipple):ti,ab
#117.	(mh ^"surgical procedures, operative")
#118.	(mh ^pancreatectomy)
#119.	(pancreatectom* or resect* or operat* or drain* or denervat* or decompress* or surg*):ti,ab
#120.	(mh ^"decompression, surgical")
#121.	(cystogastrostom* or cysto next gastrostom* or cyst-gastrostom*):ti,ab
#122.	(cystojejunostom* or cysto next jejunostom* or cyst-jejunostom*):ti,ab
#123.	(cystoduodenostom* or cysto next duodenostom* or cyst-duodenostom*):ti,ab
#124.	(pseudocystogastrostom* or pseudo next cystogastrostom* or pseudocyst-gastrostom*):ti,ab
#125.	(pseudocystojejunostom* or pseudo next cystojejunostom* or pseudocyst-jejunostom*):ti,ab
#126.	(pseudocystoduodenostom* or pseudo next cystoduodenostom* or pseudocyst-duodenostom*):ti,ab
#127.	(hepatico-jejunostom* or hepaticojejunostom* or hepatojejunostom* or hepato-jejunostom* or hepat* next jejunostom*):ti,ab
#128.	(pylorus next preserving next pancreatoduodectom* or pppd):ti,ab
#129.	"v-shaped excision":ti,ab
#130.	sphincteroplast*:ti,ab
#131.	(mh psychotherapy)
#132.	(mh ^"biofeedback, psychology")
#133.	(cognitive near/2 therap*):ti,ab
#134.	(relax* near/2 (therap* or technique*)):ti,ab
#135.	(meditat* or psychotherap*):ti,ab
#136.	(psychological next (treatment* or therap*)):ti,ab
#137.	(group* next therap*):ti,ab
#138.	(self-regulat* next train*):ti,ab
#139.	(coping next skill*):ti,ab
#140.	(pain-related next thought*):ti,ab
#141.	(behavio?r* near/2 rehabilitat*):ti,ab
#142.	((psychoeducation or psycho-education) near/1 group*):ti,ab
#143.	(mh "mind-body therapies")
#144.	((mind and body) next (relaxation or therap*)):ti,ab

#145.	(mh ^"enzyme replacement therapy")
#146.	(mh "pancreatic extracts")
#147.	MeSH descriptor: (enzymes) explode all trees and with qualifier(s): (therapeutic use - tu)
#148.	(digest* near/2 enzyme*):ti,ab
#149.	(enzyme near/2 (replacement or therap*)):ti,ab
#150.	ert:ti,ab
#151.	(creon or nutrizym or pancrease or pancrex or pankreon or viokase):ti,ab
#152.	(pancreatin or pancrelipase):ti,ab
#153.	(mh antioxidants)
#154.	(mh ^"beta carotene")
#155.	(mh ^curcumin)
#156.	(mh ^methionine)
#157.	(mh ^allopurinol)
#158.	(mh ^glutathione)
#159.	(mh ^"sodium selenite")
#160.	(mh ^acetylcysteine)
#161.	(mh ^flavonoids)
#162.	(mh ^riboflavin)
#163.	(mh ^zinc)
#164.	(mh magnesium)
#165.	(mh oxidation-reduction)
#166.	(mh "free radical scavengers")
#167.	(antioxidant* or anti-oxidant* or anti next oxidant* or micronutrient* or micro-nutrient* or micro next nutrient*):ti,ab
#168.	(ascorbic next acid or bilirubin or butylated next hydroxyanisole or butylated next hydroxytoluene or butylcresol or canthaxanthin or canthaxanthine or carotenoid* or catalase or ergothioneine or thioneine or grape next seed next extract or melatonin or nordihydroguaiaretic next acid or masoprocol or probucol or superlipid or propyl next gallate or pyrogallol or pyrogallic next acid or gallic next acid or quercetin or dikvertin or selenium or silymarin or milk next thistle or silimarin or thioctic next acid or lipoic next acid or tocopherol* or tocotrienol* or uric next acid or trioxopurine or urate or vitamin next e or vitamin next c or vitamin next a or retinol or carotene* or curcumin or methionine or allopurin* or glutathione or sodium next selenite or acetylcysteine or zinc or magnesium or riboflavin or flavone* or flavonoid*):ti,ab
#169.	(free radical near/2 scaveng*):ti,ab
#170.	(reduct* near/2 oxidat*):ti,ab
#171.	(or #2-#170)
#172.	#1 and #171
	Date parameters: see Table 1

PsycINFO search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
	Date parameters: see Table 1

A.4.11 Pancreatic ascites and pleural effusion

- What are the most clinically and cost-effective interventions for treating pancreatic ascites and pleural effusion secondary to acute or chronic pancreatitis?

Medline search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
5.	ascites/ or ascitic fluid/
6.	ascit*.ti,ab.
7.	(peritoneal adj2 fluid*).ti,ab.
8.	exp pleural effusion/
9.	((intrapleura* or intra-pleura* or pleura*) adj2 (effusion* or fluid*).ti,ab.
10.	pancreatic fistula/ or fistula/
11.	((pancrea* or pleura*) adj6 fistula*).ti,ab.
12.	(pancrea* adj3 leak*).ti,ab.
13.	(duct* adj3 disrupt*).ti,ab.
14.	((intra-abdominal or intraabdominal or intrapleura* or intra-pleura* or pleura*) adj2 collection*).ti,ab.
15.	or/5-14
16.	4 and 15
	Date parameters: see Table 1

Embase search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
5.	ascites fluid/
6.	ascites/
7.	ascit*.ti,ab.
8.	(peritoneal adj2 fluid*).ti,ab.
9.	pleura effusion/
10.	((intrapleura* or intra-pleura* or pleura*) adj2 (effusion* or fluid*).ti,ab.
11.	fistula/ or pancreas fistula/
12.	((pancrea* or pleura*) adj6 fistula*).ti,ab.
13.	(pancrea* adj3 leak*).ti,ab.
14.	(duct* adj3 disrupt*).ti,ab.
15.	((intra-abdominal or intraabdominal or intrapleura* or intra-pleura* or pleura*) adj2 collection*).ti,ab.
16.	or/5-15
17.	4 and 16
	Date parameters: see Table 1

Cochrane search terms

#1.	Standard population (A.2.1)
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#2.	MeSH descriptor: (ascites) this term only
#3.	MeSH descriptor: (ascitic fluid) this term only
#4.	ascit*:ti,ab
#5.	(peritoneal near/2 fluid*):ti,ab
#6.	MeSH descriptor: (pleural effusion) explode all trees
#7.	((intrapleura* or intra-pleura* or pleura*) near/2 (effusion* or fluid*)):ti,ab
#8.	MeSH descriptor: (fistula) this term only
#9.	MeSH descriptor: (pancreatic fistula) this term only
#10.	((pancrea* or pleura*) near/6 fistula*):ti,ab
#11.	(pancrea* near/3 leak*):ti,ab
#12.	(duct* near/3 disrupt*):ti,ab
#13.	((intra-abdominal or intraabdominal or intrapleura* or intra-pleura* or pleura*) near/2 collection*):ti,ab
#14.	#2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10 or #11 or #12 or #13
#15.	#1 and #14
	Date parameters: see Table 1

PsycINFO search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
	Date parameters: see Table 1

A.4.12 Biliary obstruction

- What is the most clinically and cost-effective intervention for treating biliary obstruction in people with chronic pancreatitis?

Medline search terms

1.	Standard population (A.2.1)
2.	Chronic pancreatitis population (A.2.2)
3.	Excluded study designs and publication types (A.3.1)
4.	1 not 3
5.	2 not 3
6.	Limit 4 to English language
7.	Limit 5 to English language
8.	bile ducts/ or bile ducts, extrahepatic/ or bile ducts, intrahepatic/
9.	common bile duct/ or cystic duct/ or hepatic duct, common/
10.	biliary tract diseases/ or bile duct diseases/
11.	(biliary or bile or cbd or choledoch*):ti,ab.
12.	((cystic or hepatic) adj2 duct*):ti,ab.
13.	cholestasis/ or cholestasis, extrahepatic/ or cholestasis, intrahepatic/
14.	cholestasis.ti,ab.
15.	cholelithiasis/ or choledocholithiasis/
16.	(cholelithiasis or choledocholithiasis).ti,ab.
17.	gallstones/

18.	gallstone*.ti,ab.
19.	jaundice, obstructive/
20.	(jaundice* adj3 (obstruc* or block* or stricture*)).ti,ab.
21.	cholangitis/
22.	cholangitis.ti,ab.
23.	or/8-22
24.	(surger* or operation* or procedure* or bypass* or drain* or resect*).ti,ab.
25.	drainage/
26.	surgical procedures, operative/
27.	endoscopy, gastrointestinal/ or endoscopy, digestive system/
28.	biliary tract surgical procedures/
29.	anastomosis, roux-en-y/
30.	roux-en-y.ti,ab.
31.	biliary-enteric anastomosis.ti,ab.
32.	choledochostomy/
33.	(choledochoduodenostom* or choledocho-duodenostom*).ti,ab.
34.	(choledocho-jejunostom* or choledochojejunostom*).ti,ab.
35.	(hepatico-jejunostom* or hepaticojejunostom* or hepatojejunostom* or hepato-jejunostom* or hepatic jejunostom*).ti,ab.
36.	cholangiopancreatography, endoscopic retrograde/
37.	(endoscopic retrograde cholangiopancreatograph* or ercp).ti,ab.
38.	stents/ or self expandable metallic stents/
39.	(stent* or wallstent).ti,ab.
40.	or/24-39
41.	Study filters RCT (A.3.2) or SR (A.3.3)
42.	exp clinical trial/
43.	exp clinical trials as topic/
44.	exp evaluation studies/ or follow-up studies/ or prospective studies/
45.	exp epidemiological studies/
46.	cohort stud*.ti,ab.
47.	case control stud*.ti,ab.
48.	((crossover or cross-over or cross over) adj2 (design* or stud* or procedure* or trial*)).ti,ab.
49.	or/41-48
50.	41 or 49
51.	7 and 23
52.	6 and 23 and 40 and 50
53.	51 or 52
	Date parameters: see Table 1

Embase search terms

1.	Standard population (A.2.1)
2.	Chronic pancreatitis population (A.2.2)
3.	Excluded study designs and publication types (A.3.1)
4.	1 not 3
5.	2 not 3
6.	Limit 4 to English language

7.	Limit 5 to English language
8.	(biliary or bile or cbd or choledoch*).ti,ab.
9.	bile duct/ or extrahepatic bile duct/ or intrahepatic bile duct/
10.	common bile duct/ or common hepatic duct/ or cystic duct/
11.	biliary tract disease/ or bile duct disease/
12.	((cystic or hepatic) adj2 duct*).ti,ab.
13.	cholestasis/ or obstructive bile duct disease/
14.	cholestasis.ti,ab.
15.	cholelithiasis/
16.	bile duct stone/ or common bile duct stone/
17.	(cholelithiasis or choledocholithiasis).ti,ab.
18.	gallstone/
19.	obstructive jaundice/
20.	gallstone*.ti,ab.
21.	(jaundice* adj3 (obstruc* or block* or stricture*)).ti,ab.
22.	cholangitis/
23.	cholangitis.ti,ab.
24.	or/8-23
25.	(surger* or operation* or procedure* or bypass* or drain* or resect*).ti,ab.
26.	biliary tract drainage/ or biliary tract surgery/ or surgical drainage/
27.	surgery/
28.	gastrointestinal endoscopy/ or digestive tract endoscopy/
29.	roux y anastomosis/
30.	roux-en-y.ti,ab.
31.	biliary-enteric anastomosis.ti,ab.
32.	bile duct bypass/ or choledochojejunostomy/ or hepatojejunostomy/
33.	(choledochooduodenostom* or choledocho-duodenostom*).ti,ab.
34.	(choledocho-jejunostom* or choledochojejunostom*).ti,ab.
35.	(hepatico-jejunostom* or hepaticojejunostom* or hepatojejunostom* or hepato-jejunostom* or hepatic jejunostom*).ti,ab.
36.	endoscopic retrograde cholangiopancreatography/
37.	(endoscopic retrograde cholangiopancreatograph* or ercp).ti,ab.
38.	stent/ or metal stent/ or self expanding stent/
39.	(stent* or wallstent).ti,ab.
40.	or/25-39
41.	Study filters RCT (A.3.2) or SR (A.3.3) or OBS (A.3.7)
42.	7 and 24
43.	6 and 24 and 40 and 41
44.	42 or 43
	Date parameters: see Table 1

Cochrane search terms

#1.	Standard population (A.2.1)
#2.	Chronic pancreatitis population (A.2.2)
#3.	(biliary or bile or cbd or choledoch*):ti,ab
#4.	MeSH descriptor: (bile ducts) this term only

#5.	MeSH descriptor: (bile ducts, extrahepatic) this term only
#6.	MeSH descriptor: (bile ducts, intrahepatic) this term only
#7.	MeSH descriptor: (common bile duct) this term only
#8.	MeSH descriptor: (cystic duct) this term only
#9.	MeSH descriptor: (hepatic duct, common) this term only
#10.	MeSH descriptor: (biliary tract diseases) this term only
#11.	MeSH descriptor: (bile duct diseases) this term only
#12.	MeSH descriptor: (cholestasis) this term only
#13.	MeSH descriptor: (cholestasis, extrahepatic) this term only
#14.	MeSH descriptor: (cholestasis, intrahepatic) this term only
#15.	cholestasis:ti,ab
#16.	MeSH descriptor: (cholelithiasis) this term only
#17.	MeSH descriptor: (choledocholithiasis) this term only
#18.	(cholelithiasis or choledocholithiasis):ti,ab
#19.	MeSH descriptor: (gallstones) this term only
#20.	gallstone*:ti,ab
#21.	MeSH descriptor: (jaundice, obstructive) this term only
#22.	(jaundice* near/3 (obstruc* or block* or stricture*)):ti,ab
#23.	MeSH descriptor: (cholangitis) this term only
#24.	cholangitis:ti,ab
#25.	(or #3-#25)
#26.	(surger* or operation* or procedure* or bypass* or drain* or resect*):ti,ab
#27.	(mh ^drainage)
#28.	(mh ^"surgical procedures, operative")
#29.	(mh ^"endoscopy, gastrointestinal")
#30.	(mh ^"biliary tract surgical procedures")
#31.	(mh ^"anastomosis, roux-en-y")
#32.	roux-en-y:ti,ab
#33.	biliary-enteric anastomos?s:ti,ab
#34.	(mh ^choledochostomy)
#35.	(choledochoduodenostom* or choledocho-duodenostom*):ti,ab
#36.	(choledocho-jejunostom* or choledochojejunostom*):ti,ab
#37.	(hepatico-jejunostom* or hepaticojejunostom* or hepatojejunostom* or hepato-jejunostom* or hepatic jejunostom*):ti,ab
#38.	(mh ^"cholangiopancreatography, endoscopic retrograde")
#39.	(endoscopic retrograde cholangiopancreatograph* or ercp):ti,ab
#40.	(mh ^stents)
#41.	(mh ^"self expandable metallic stents")
#42.	(stent* or wallstent):ti,ab
#43.	(or #26-#42)
#44.	#1 and #25 and #43
#45.	#2 and #25
#46.	#44 or #45
	Date parameters: see Table 1

PsycINFO search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
	Date parameters: see Table 1

A.4.13 Diabetes

Searches for the following two questions were run as one search:

- How often should follow-up to identify the development of diabetes be carried out in people with chronic pancreatitis?
- What is the most clinically and cost-effective insulin regimen strategy specifically for type 3c diabetes mellitus (T3cDM) secondary to pancreatitis?

Medline search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
5.	diabetes mellitus/
6.	diabet*.ti,ab.
7.	or/5-6
8.	4 and 7
9.	t3cdm.ti,ab.
10.	(diabet* and pancreatogenic).ti,ab.
11.	or/9-10
12.	8 or 11
13.	Study filters RCT (A.3.2) or SR (A.3.3) or OBS (A.3.7)
14.	12 and 13
	Date parameters: see Table 1

Embase search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
5.	diabetes mellitus/
6.	diabet*.ti,ab.
7.	or/5-6
8.	4 and 7
9.	t3cdm.ti,ab.
10.	(diabet* and pancreatogenic).ti,ab.
11.	or/9-10
12.	7 or 11
13.	Study filters RCT (A.3.2) or SR (A.3.3) or OBS (A.3.7)
14.	12 and 13
	Date parameters: see Table 1

Cochrane search terms

#1.	Standard population (A.2.1)
#2.	MeSH descriptor: (diabetes mellitus) this term only
#3.	diabet*:ti,ab
#4.	#2 or #3
#5.	#1 and #4
#6.	(diabet* and pancreatogenic):ti,ab
#7.	"t3cdm":ti,ab
#8.	#5 or #6 or #7
	Date parameters: see Table 1

PsycINFO search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
	Date parameters: see Table 1

A.4.14 Specialist assessment

Searches for the following two questions were run as one search:

- What is the clinical and cost effectiveness of receiving specialist input in people with acute pancreatitis?
- What is the clinical and cost effectiveness of a specialist nutritional assessment compared to a non-specialist assessment for managing malabsorption or malnutrition in people with chronic pancreatitis?

Medline search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
5.	tertiary care centers/
6.	(tertiary adj3 (unit* or center* or centre* or facilit* or team* or service*)).ti,ab.
7.	(specialis* or specializ* or expert* or consultant*).ti,ab.
8.	consultants/
9.	((pancreatitis or pancreas) adj4 (clinic* or unit* or centre* or center* or facilit* or team* or service*)).ti,ab.
10.	exp "referral and consultation"/
11.	decision making/
12.	((multidisciplin* or team* or interdisciplin* or mdt or idt or interprofessional* or multiprofessional* or inter-disciplin* or multi-disciplin* or inter-professional or multi-professional or multicenter* or multicentre* or multi-center* or multi-centre*) adj3 (support or liais* or co-operat* or cooperat* or contact* or relationship* or convers* or dialog* or talk* or exchange* or discuss* or advice or advis* or input or approach* or consult*)).ti,ab.
13.	((surgeon* or surgical or surgery or endoscop* or gastroenterol* or diet* or nutrition* or radiolog*) adj3 (support or liais* or co-operat* or cooperat* or contact* or relationship* or convers* or dialog* or talk* or exchange* or discuss* or advice or advis* or input or consult*)).ti,ab.

14.	telemedicine/
15.	remote consultation/
16.	(telemedicine or tele?consult*).ti,ab.
17.	nutrition therapy/ or diet therapy/ or nutritional support/ or nutrition assessment/
18.	((virtual or tele* or "face to face" or "in person" or remote) adj3 (consult* or refer* or refers or referral* or referring or centre* or center* or service* or input or meeting* or support* or advice or advis* or liais* or contact* or relationship* or convers* or dialog* or talk* or exchange* or discuss*).ti,ab.
19.	or/5-18
20.	Study filters RCT (A.3.2) or SR (A.3.3) or OBS (A.3.7)
21.	4 and 19 and 20
	Date parameters: see Table 1

Embase search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
5.	tertiary care center/
6.	(tertiary adj3 (unit* or center* or centre* or facilit* or team* or service*).ti,ab.
7.	(Specialis* or specializ* or expert* or consultant*).ti,ab.
8.	consultation/ or teleconsultation/
9.	((pancreatitis or pancreas) adj4 (clinic* or unit* or centre* or center* or facilit* or team* or service*).ti,ab.
10.	patient referral/
11.	decision making/
12.	((multidisciplin* or team* or interdisciplin* or MDT or IDT or interprofessional* or multiprofessional* or inter-disciplin* or multi-disciplin* or inter-professional or multi-professional or multicenter* or multicentre* or multi-center* or multi-centre*) adj3 (support or liais* or co-operat* or cooperat* or contact* or relationship* or convers* or dialog* or talk* or exchange* or discuss* or advice or advis* or input or approach* or consult*).ti,ab.
13.	((surgeon* or surgical or surgery or endoscop* or gastroenterol* or diet* or nutrition* or radiolog*) adj3 (support or liais* or co-operat* or cooperat* or contact* or relationship* or convers* or dialog* or talk* or exchange* or discuss* or advice or advis* or input or consult*).ti,ab.
14.	telemedicine/
15.	(telemedicine or tele?consult*).ti,ab.
16.	diet therapy/ or nutritional support/
17.	((virtual or tele* or "face to face" or "in person" or remote) adj3 (consult* or refer* or refers or referral* or referring or centre* or center* or service* or input or meeting* or support* or advice or advis* or liais* or contact* or relationship* or convers* or dialog* or talk* or exchange* or discuss*).ti,ab.
18.	or/5-17
19.	Study filters RCT (A.3.2) or SR (A.3.3) or OBS (A.3.7)
20.	4 and 18 and 19
	Date parameters: see Table 1

Cochrane search terms

#1.	Standard population (A.2.1)
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#2.	(mh ^"tertiary care centers")
#3.	(tertiary near/3 (unit* or center* or centre* or facilit* or team* or service*)):ti,ab
#4.	(specialis* or specializ* or expert* or consultant*):ti,ab
#5.	(mh ^consultants)
#6.	((pancreatitis or pancreas) near/4 (clinic* or unit* or centre* or center* or facilit* or team* or service*)):ti,ab
#7.	(mh "referral and consultation")
#8.	(mh ^"decision making")
#9.	((multidisciplin* or team* or interdisciplin* or mdt or idt or interprofessional* or multiprofessional* or inter-disciplin* or multi-disciplin* or inter-professional or multi-professional or multicenter* or multicentre* or multi-center* or multi-centre*) near/3 (support or liais* or co-operat* or cooperat* or contact* or relationship* or convers* or dialog* or talk* or exchange* or discuss* or advice or advis* or input or approach* or consult*)):ti,ab
#10.	((surgeon* or surgical or surgery or endoscop* or gastroenterol* or diet* or nutrition* or radiolog*) near/3 (support or liais* or co-operat* or cooperat* or contact* or relationship* or convers* or dialog* or talk* or exchange* or discuss* or advice or advis* or input or consult*)):ti,ab
#11.	(mh ^telemedicine)
#12.	(mh ^"remote consultation")
#13.	(telemedicine or tele?consult*):ti,ab
#14.	(mh ^"nutrition therapy")
#15.	(mh ^"diet therapy")
#16.	(mh ^"nutritional support")
#17.	(mh ^"nutrition assessment")
#18.	((virtual or tele* or remote) near/3 (consult* or refer* or refers or referral* or referring or centre* or center* or service* or input or meeting* or support* or advice or advis* or liais* or contact* or relationship* or convers* or dialog* or talk* or exchange* or discuss*)):ti,ab
#19.	((face next to next face) near/3 (consult* or refer* or refers or referral* or referring or centre* or center* or service* or input or meeting* or support* or advice or advis* or liais* or contact* or relationship* or convers* or dialog* or talk* or exchange* or discuss*)):ti,ab
#20.	((in next person) near/3 (consult* or refer* or refers or referral* or referring or centre* or center* or service* or input or meeting* or support* or advice or advis* or liais* or contact* or relationship* or convers* or dialog* or talk* or exchange* or discuss*)):ti,ab
#21.	(or #2-#20)
#22.	#1 and #21
	Date parameters: see Table 1

PsycINFO search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
	Date parameters: see Table 1

A.4.15 Follow up: pancreatic function

- How often should follow-up to assess pancreatic exocrine function and any secondary health issues, if any, be carried out in people with chronic pancreatitis?

Medline search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
5.	pancreatic elastase/
6.	elastase.ti,ab.
7.	nutritional status/
8.	iron/ or iron, dietary/
9.	vitamins/ or vitamin d deficiency/ or vitamin a deficiency/ or vitamin d/ or vitamin a/ or vitamin e/
10.	((nutrition* or nutrient* or micronutrient* or micro-nutrient* or diet* or vitamin* or iron) adj6 (assess* or status or evaluat* or test* or screen* or investigat* or follow-up* or followup* or surveillance* or marker* or biomarker* or indicat* or parameter* or exam* or check-up* or checkup* or monitor* or measure*)).ti,ab.
11.	((vitamin* or iron or nutrition* or nutrient* or micronutrient* or micro-nutrient* or diet* or exocrine) adj3 (deficien* or insuffic*)).ti,ab.
12.	exocrine pancreatic insufficiency/
13.	(pancrea* adj2 (function or insuffic* or deficien*) adj6 (assess* or status or evaluat* or test* or screen* or investigat* or follow-up* or followup* or surveillance* or marker* or biomarker* or indicat* or parameter* or exam* or check-up* or checkup* or monitor* or measure*)).ti,ab.
14.	(exocrine adj6 (assess* or status or evaluat* or test* or screen* or investigat* or follow-up* or followup* or surveillance* or marker* or biomarker* or indicat* or parameter* or exam* or check-up* or checkup* or monitor* or measure*)).ti,ab.
15.	anthropometry/
16.	anthropometr*.ti,ab.
17.	z score*.ti,ab.
18.	bone density/
19.	dexa.ti,ab.
20.	(bone adj2 (density or mineral* or metabolism* or health)).ti,ab.
21.	body weight/ or body mass index/
22.	exp body composition/
23.	((body or muscle* or weight or bmi or metaboli*) adj6 (assess* or status or evaluat* or test* or screen* or investigat* or follow-up* or followup* or surveillance* or marker* or biomarker* or indicat* or parameter* or exam* or check-up* or checkup* or monitor* or measure*)).ti,ab.
24.	(body adj composition*).ti,ab.
25.	(primary hyperparathyroid* or parathyroid hormone* or pth).ti,ab.
26.	(biochemi* adj6 (assess* or status or evaluat* or test* or screen* or investigat* or follow-up* or followup* or surveillance* or marker* or biomarker* or indicat* or parameter* or exam* or check-up* or checkup* or monitor* or measure*)).ti,ab.
27.	(exocrine and ((assess* or evaluat* or test* or screen* or investigat* or follow-up or followup* or surveillance or marker* or biomarker* or monitor* or check-up* or checkup* or measure* or examin*) adj6 (interval* or frequen* or day* or week* or month* or year* or time* or timing* or regular* or ongoing or on-going or continu* or recurr* or repeat*))).ti,ab.
28.	((pancrea* adj2 function*) and ((assess* or evaluat* or test* or screen* or investigat* or follow-up or followup* or surveillance or marker* or biomarker* or monitor* or check-up* or checkup* or measure* or examin*) adj6 (interval* or frequen* or day* or week* or month* or year* or time* or timing* or regular* or ongoing or on-going or continu* or recurr* or repeat*))).ti,ab.

29.	or/5-28
30.	"pancreatic function tests"/
31.	time factors/
32.	30 and 31
33.	29 or 32
34.	Study filters RCT (A.3.2) or SR (A.3.3) or OBS (A.3.7)
35.	4 and 32 and 33
	Date parameters: see Table 1

Embase search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
5.	pancreatic elastase/
6.	elastase.ti,ab.
7.	nutritional status/ or nutritional parameters/
8.	iron/ or iron absorption/ or iron deficiency/
9.	vitamin/ or vitamin D/ or vitamin K group/ or vitamin D deficiency/ or retinol/ or alpha tocopherol/
10.	((nutrition* or nutrient* or micronutrient* or micro-nutrient* or diet* or vitamin* or iron) adj6 (assess* or status or evaluat* or test* or screen* or investigat* or follow-up* or followup* or surveillance* or marker* or biomarker* or indicat* or parameter* or exam* or check-up* or checkup* or monitor* or measure*)).ti,ab.
11.	((vitamin* or iron or nutrition* or nutrient* or micronutrient* or micro-nutrient* or diet* or exocrine) adj3 (deficien* or insuffic*)).ti,ab.
12.	exocrine pancreatic insufficiency/ or pancreatic insufficiency/ or pancreas function/
13.	(pancrea* adj2 (function or insuffic* or deficien*) adj6 (assess* or status or evaluat* or test* or screen* or investigat* or follow-up* or followup* or surveillance* or marker* or biomarker* or indicat* or parameter* or exam* or check-up* or checkup* or monitor* or measure*)).ti,ab.
14.	(exocrine adj6 (assess* or status or evaluat* or test* or screen* or investigat* or follow-up* or followup* or surveillance* or marker* or biomarker* or indicat* or parameter* or exam* or check-up* or checkup* or monitor* or measure*)).ti,ab.
15.	anthropometry/ or anthropometric parameters/
16.	anthropometr*.ti,ab.
17.	z score*.ti,ab.
18.	bone density/
19.	dexa.ti,ab.
20.	(bone adj2 (density or mineral* or metabolism* or health)).ti,ab.
21.	body weight/ or body composition/ or body distribution/ or body fat/ or body fat distribution/ or body mass/
22.	((body or muscle* or weight or BMI or metaboli*) adj6 (assess* or status or evaluat* or test* or screen* or investigat* or follow-up* or followup* or surveillance* or marker* or biomarker* or indicat* or parameter* or exam* or check-up* or checkup* or monitor* or measure*)).ti,ab.
23.	(body adj composition*).ti,ab.
24.	(primary hyperparathyroid* or parathyroid hormone* or PTH).ti,ab.
25.	(biochemi* adj6 (assess* or status or evaluat* or test* or screen* or investigat* or follow-up*

	or followup* or surveillance* or marker* or biomarker* or indicat* or parameter* or exam* or check-up* or checkup* or monitor* or measure*)):ti,ab.
26.	(exocrine and ((assess* or evaluat* or test* or screen* or investigat* or follow-up or followup* or surveillance or marker* or biomarker* or monitor* or check-up* or checkup* or measure* or examin*) adj6 (interval* or frequen* or day* or week* or month* or year* or time* or timing* or regular* or ongoing or on-going or continu* or recurr* or repeat*))).ti,ab.
27.	((pancrea* adj2 function*) and ((assess* or evaluat* or test* or screen* or investigat* or follow-up or followup* or surveillance or marker* or biomarker* or monitor* or check-up* or checkup* or measure* or examin*) adj6 (interval* or frequen* or day* or week* or month* or year* or time* or timing* or regular* or ongoing or on-going or continu* or recurr* or repeat*))).ti,ab.
28.	or/5-27
29.	pancreas function test/
30.	time/ or time factor/
31.	29 and 30
32.	28 or 31
33.	Study filters RCT (A.3.2) or SR (A.3.3) or OBS (A.3.7)
34.	4 and 32 and 33
	Date parameters: see Table 1

Cochrane search terms

#1.	Standard population (A.2.1)
#2.	(mh ^"pancreatic elastase")
#3.	elastase:ti,ab
#4.	(mh ^"nutritional status")
#5.	(mh ^iron)
#6.	(mh ^"iron, dietary")
#7.	(mh ^vitamins)
#8.	MeSH descriptor: (vitamin d deficiency) this term only
#9.	MeSH descriptor: (vitamin a deficiency) this term only
#10.	(mh ^"vitamin d")
#11.	(mh ^"vitamin a")
#12.	(mh ^"vitamin e")
#13.	((nutrition* or nutrient* or micronutrient* or micro next nutrient* or diet* or vitamin* or iron) next/6 (assess* or status or evaluat* or test* or screen* or investigat* or follow next up* or followup* or surveillance* or marker* or biomarker* or indicat* or parameter* or exam* or check next up* or checkup* or monitor* or measure*)):ti,ab
#14.	((vitamin* or iron or nutrition* or nutrient* or micronutrient* or micro next nutrient* or diet* or exocrine) next/3 (deficien* or insuffic*)):ti,ab
#15.	(mh ^"exocrine pancreatic insufficiency")
#16.	(pancrea* next/2 (function or insuffic* or deficien*) next/6 (assess* or status or evaluat* or test* or screen* or investigat* or follow next up* or followup* or surveillance* or marker* or biomarker* or indicat* or parameter* or exam* or check next up* or checkup* or monitor* or measure*)):ti,ab
#17.	(exocrine next/6 (assess* or status or evaluat* or test* or screen* or investigat* or follow-up* or followup* or surveillance* or marker* or biomarker* or indicat* or parameter* or exam* or check-up* or checkup* or monitor* or measure*)):ti,ab
#18.	(mh ^anthropometry)
#19.	anthropometr*:ti,ab

#20.	z score*.ti,ab
#21.	(mh ^"bone density")
#22.	dexa:ti,ab
#23.	(bone next/2 (density or mineral* or metabolism* or health)):ti,ab
#24.	(mh ^"body weight")
#25.	(mh ^"body mass index")
#26.	(mh "body composition")
#27.	((body or muscle* or weight or bmi or metaboli*) next/6 (assess* or status or evaluat* or test* or screen* or investigat* or follow next up* or followup* or surveillance* or marker* or biomarker* or indicat* or parameter* or exam* or check next up* or checkup* or monitor* or measure*)):ti,ab
#28.	body next composition*:ti,ab
#29.	(primary hyperparathyroid* or parathyroid hormone* or pth):ti,ab
#30.	(biochemi* next/6 (assess* or status or evaluat* or test* or screen* or investigat* or follow next up* or followup* or surveillance* or marker* or biomarker* or indicat* or parameter* or exam* or check next up* or checkup* or monitor* or measure*)):ti,ab
#31.	(exocrine and ((assess* or status or evaluat* or test* or screen* or investigat* or follow next up* or followup* or surveillance* or marker* or biomarker* or indicat* or parameter* or exam* or check next up* or checkup* or monitor* or measure*) next/6 (interval* or frequen* or day* or week* or month* or year* or time* or timing* or regular* or ongoing or on-going or continu* or recurr* or repeat*)):ti,ab
#32.	((pancrea* next/2 function*) and ((assess* or status or evaluat* or test* or screen* or investigat* or follow next up* or followup* or surveillance* or marker* or biomarker* or indicat* or parameter* or exam* or check next up* or checkup* or monitor* or measure*) next/6 (interval* or frequen* or day* or week* or month* or year* or time* or timing* or regular* or ongoing or on-going or continu* or recurr* or repeat*)):ti,ab
#33.	(or #2-#32)
#34.	(mh ^"pancreatic function tests")
#35.	(mh ^"time factors")
#36.	#34 and #35
#37.	#33 or #36
#38.	#1 and #37
	Date parameters: see Table 1

PsycINFO search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
	Date parameters: see Table 1

A.4.16 Follow up: pancreatic cancer

- How often should follow-up to identify development of pancreatic cancer be carried out in people with chronic pancreatitis?

Medline search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2

4.	Limit 3 to English language
5.	pancreas/
6.	neoplasms/
7.	(carcin* or cancer* or neoplas* or tumour* or tumor* or growth* or adenocarcin* or malig*).ti,ab.
8.	5 and (6 or 7)
9.	(pancrea* adj6 (carcin* or cancer* or neoplas* or tumour* or tumor* or growth* or adenocarcin* or malig*)).ti,ab.
10.	carcinoma, pancreatic ductal/ or pancreatic neoplasms/
11.	or/8-10
12.	((carcin* or cancer* or neoplas* or tumour* or tumor* or growth* or adenocarcin* or malig*) adj6 (assess* or status or evaluat* or test* or screen* or investigat* or follow-up* or followup* or surveillance* or marker* or biomarker* or indicat* or parameter* or exam* or check-up* or checkup* or monitor* or measure*)).ti,ab.
13.	(ca19-9 or ca-19* or muc1 or mucin* or muc* or antigen* or cea or heat shock protein* or hsp or microrna* or mrna* or mirna*).ti,ab.
14.	biomarkers, tumor/ or antigens, tumor-associated, carbohydrate/ or ca-19-9 antigen/ or antigens, neoplasm/
15.	((ercp or cholangiopancreatograph* or cholangio-pancreatograph*) and (carcin* or cancer* or neoplas* or tumour* or tumor* or growth* or adenocarcin* or malig*)).ti,ab.
16.	((eus or ultrasonic endoscop* or endoscopic ultrasonograph* or endosonograph* or ultrasound* or scan* or ct* or tomograph* or mri* or magnetic resonance or mrcp or pet-ct) and (carcin* or cancer* or neoplas* or tumour* or tumor* or growth* or adenocarcin* or malig*)).ti,ab.
17.	(methylat* and (carcin* or cancer* or neoplas* or tumour* or tumor* or growth* or adenocarcin* or malig*)).ti,ab.
18.	or/12-17
19.	biomarkers/
20.	cholangiopancreatography, endoscopic retrograde/
21.	tomography/ or magnetic resonance imaging/ or cholangiopancreatography, magnetic resonance/ or exp tomography, emission-computed/ or ultrasonography/
22.	tomography, x-ray computed/
23.	endosonography/
24.	or/19-23
25.	24 and (6 or 7)
26.	11 or 18 or 25
27.	Study filters RCT (A.3.2) or SR (A.3.3) or OBS (A.3.7)
28.	4 and 26 and 27
	Date parameters: see Table 1

Embase search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
5.	pancreas/
6.	neoplasm/ or malignant neoplasm/
7.	(carcin* or cancer* or neoplas* or tumour* or tumor* or growth* or adenocarcin* or malig*).ti,ab.

8.	5 and (6 or 7)
9.	(pancrea* adj6 (carcin* or cancer* or neoplas* or tumour* or tumor* or growth* or adenocarcin* or malig*)).ti,ab.
10.	pancreas adenoma/ or pancreas tumor/ or pancreas adenocarcinoma/ or pancreas cancer/ or pancreas carcinoma/
11.	or/8-10
12.	((carcin* or cancer* or neoplas* or tumour* or tumor* or growth* or adenocarcin* or malig*) adj6 (assess* or status or evaluat* or test* or screen* or investigat* or follow-up* or followup* or surveillance* or marker* or biomarker* or indicat* or parameter* or exam* or check-up* or checkup* or monitor* or measure*)).ti,ab.
13.	(ca19-9 or ca-19* or muc1 or mucin* or muc* or antigen* or cea or heat shock protein* or hsp or microrna* or mrna* or mirna*).ti,ab.
14.	tumor antigen/ or ca 19-9 antigen/ or carbohydrate antigen/
15.	((ercp or cholangiopancreatograph* or cholangio-pancreatograph*) and (carcin* or cancer* or neoplas* or tumour* or tumor* or growth* or adenocarcin* or malig*)).ti,ab.
16.	((eus or ultrasonic endoscop* or endoscopic ultrasonograph* or endosonograph* or ultrasound* or scan* or ct* or tomograph* or mri* or magnetic resonance or mrcp or pet-ct) and (carcin* or cancer* or neoplas* or tumour* or tumor* or growth* or adenocarcin* or malig*)).ti,ab.
17.	(methylat* and (carcin* or cancer* or neoplas* or tumour* or tumor* or growth* or adenocarcin* or malig*)).ti,ab.
18.	or/12-17
19.	biological marker/
20.	endoscopic retrograde cholangiopancreatography/
21.	x-ray computed tomography/
22.	tomography/
23.	nuclear magnetic resonance/
24.	magnetic resonance cholangiopancreatography/
25.	exp computer assisted emission tomography/
26.	echography/ or endoscopic ultrasonography/
27.	or/19-26
28.	27 and (6 or 7)
29.	(11 or 18 or 28)
30.	Study filters RCT (A.3.2) or SR (A.3.3) or OBS (A.3.7)
31.	4 and 29 and 30
	Date parameters: see Table 1

Cochrane search terms

#1.	Standard population (A.2.1)
#2.	(mh ^pancreas)
#3.	(mh ^neoplasms)
#4.	(carcin* or cancer* or neoplas* or tumour* or tumor* or growth* or adenocarcin* or malig*):ti,ab
#5.	#2 and (#3 or #4)
#6.	(pancrea* next/6 (carcin* or cancer* or neoplas* or tumour* or tumor* or growth* or adenocarcin* or malig*)):ti,ab
#7.	(mh ^"carcinoma, pancreatic ductal")
#8.	(mh ^"pancreatic neoplasms")

#9.	(or #5-#8)
#10.	((carcin* or cancer* or neoplas* or tumour* or tumor* or growth* or adenocarcin* or malig*) next/6 (assess* or status or evaluat* or test* or screen* or investigat* or follow-up* or followup* or surveillance* or marker* or biomarker* or indicat* or parameter* or exam* or check-up* or checkup* or monitor* or measure*)):ti,ab
#11.	(ca19* or ca next 19* or muc1 or mucin* or muc* or antigen* or cea or heat shock protein* or hsp or microRNA* or mrna* or mirna*):ti,ab
#12.	(mh ^"biomarkers, tumor")
#13.	(mh ^"antigens, tumor-associated, carbohydrate")
#14.	(mh ^"ca-19-9 antigen")
#15.	(mh ^"antigens, neoplasm")
#16.	((ercp or cholangiopancreatograph* or cholangio next pancreatograph*) and (carcin* or cancer* or neoplas* or tumour* or tumor* or growth* or adenocarcin* or malig*)):ti,ab
#17.	((eus or ultrasonic endoscop* or endoscopic ultrasonograph* or endosonograph* or ultrasound* or scan* or ct* or tomograph* or mri* or magnetic resonance or mrcp or pet-ct) and (carcin* or cancer* or neoplas* or tumour* or tumor* or growth* or adenocarcin* or malig*)):ti,ab
#18.	(methylat* and (carcin* or cancer* or neoplas* or tumour* or tumor* or growth* or adenocarcin* or malig*)):ti,ab
#19.	(or #10-#18)
#20.	(mh ^biomarkers)
#21.	(mh ^"cholangiopancreatography, endoscopic retrograde")
#22.	(mh ^tomography)
#23.	(mh ^"magnetic resonance imaging")
#24.	(mh ^"cholangiopancreatography, magnetic resonance")
#25.	(mh "tomography, emission-computed")
#26.	(mh ^ultrasonography)
#27.	(mh ^"tomography, x-ray computed")
#28.	(mh ^endosonography)
#29.	(or #20-#28)
#30.	#29 and (#3 or #4)
#31.	#1 and (#9 or #19 or #30)
	Date parameters: see Table 1

PsycINFO search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
	Date parameters: see Table 1

A.5 Health economics search terms

A.5.1 Health economic (HE) reviews

Economic searches were conducted in Medline, Embase and CRD

Medline & Embase search terms

1.	Standard population (A.2.1)
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2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
5.	Study filter HE (A.3.4)
6.	4 and 5
	Date parameters: 2014 – 28 September 2017

CRD search terms

#1.	Standard population (A.2.1)
	Date parameters: Inception – 28 September 2017

A.5.2 Quality of life (QoL) reviews

Quality of life searches were conducted in Medline and Embase only

Medline & Embase search terms

1.	Standard population (A.2.1)
2.	Excluded study designs and publication types (A.3.1)
3.	1 not 2
4.	Limit 3 to English language
5.	Study filter QOL (A.3.5)
6.	4 and 5
	Date parameters: 1946– 20 April 2016 (Medline)
	Date parameters: 1974 – 20 April 2016 (Embase)