

**Natio
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15 June 2017

Pancreatic Cancer

Diagnosis and management

NICE Guidance

Combined Search Strategy

Disclaimer

The recommendations in this guideline represent the view of NICE, arrived at after careful consideration of the evidence available. When exercising their judgement, professionals are expected to take this guideline fully into account, alongside the individual needs, preferences and values of their patients or service users. The recommendations in this guideline are not mandatory and the guideline does not override the responsibility of healthcare professionals to make decisions appropriate to the circumstances of the individual patient, in consultation with the patient and/or their carer or guardian.

Local commissioners and/or providers have a responsibility to enable the guideline to be applied when individual health professionals and their patients or service users wish to use it. They should do so in the context of local and national priorities for funding and developing services, and in light of their duties to have due regard to the need to eliminate unlawful discrimination, to advance equality of opportunity and to reduce health inequalities. Nothing in this guideline should be interpreted in a way that would be inconsistent with compliance with those duties.

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Appendix D: Combined Search Strategy

D.1 Diagnosis and staging

D.1.1 People with jaundice

What is the most effective diagnostic pathway (imaging +/-CA 19–9, biopsy (cytology or histology)) for adults with suspected pancreatic cancer in secondary care who have jaundice?

See section D.1.5.1, D.1.5.2 & D.1.5.3.

D.1.2 People without jaundice but with a pancreatic abnormality

What is the most effective diagnostic pathway (imaging +/-CA 19–9, biopsy (cytology or histology)) for adults with suspected pancreatic cancer in secondary care who do not have jaundice but have a pancreatic abnormality on imaging?

See section D.1.5.1, D.1.5.2 & D.1.5.3.

D.1.3 Pancreatic Cysts

In adults with a pancreatic cyst, what is the diagnostic pathway to identify the cyst(s) at high risk of pancreatic malignancy?

See section D.1.5.1, D.1.5.2 & D.1.5.3.

D.1.4 People with inherited high risk of pancreatic cancer

What is the most effective monitoring protocol for adults with an inherited high risk of pancreatic cancer in secondary care to ensure early diagnosis?

D.1.4.1 Database: Medline

Last searched on **Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present**. Date of last search: 24th April 2017.

#	Searches
1	exp Pancreatic Neoplasms/
2	exp Carcinoma, Pancreatic Ductal/
3	exp Gastrinoma/
4	exp Glucagonoma/
5	exp Somatostatinoma/
6	exp Insulinoma/
7	exp Vipoma/
8	(pancrea\$ adj4 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
9	(gastrinoma\$ or glucagonoma\$ or somatostatinoma\$ or insulinoma\$ or vipoma\$ or pancreatoblastoma\$).tw.
10	1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9
11	exp Carcinoma, Acinar Cell/
12	(acinar adj3 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or

#	Searches
	metasta\$)).tw.
13	11 or 12
14	exp Pancreas/
15	(pancreas or pancreatic).tw.
16	14 or 15
17	13 and 16
18	exp Adenoma, Islet Cell/
19	exp Carcinoma, Islet Cell/
20	(islet\$ adj3 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
21	18 or 19 or 20
22	10 or 17 or 21
23	exp "Sensitivity and Specificity"/
24	sensitivity.tw.
25	specificity.tw.
26	((pre-test or pretest) adj probability).tw.
27	post-test probability.tw.
28	predictive value\$.tw.
29	likelihood ratio\$.tw.
30	or/23-29
31	Meta-Analysis/
32	Meta-Analysis as Topic/
33	(meta analy* or metanaly* or metaanaly*).ti,ab.
34	((systematic* or evidence*) adj2 (review* or overview*)).ti,ab.
35	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
36	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
37	(search* adj4 literature).ab.
38	(medline or pubmed or cochrane or embase or psychlit or psychlit or psychinfo or psycinfo or cinahl or science citation index or bids or cancerlit).ab.
39	cochrane.jw.
40	or/31-39
41	exp Radiography/
42	(radiograph\$ or xray or x-ray).mp.
43	exp Ultrasonography/
44	(ultrasound\$ or ultrasonograph\$ or sonogra\$ or endosonogra\$).mp.
45	exp Magnetic Resonance Imaging/
46	magnet\$ resonance.mp.
47	(MRI or MRI\$1 or NMR\$1 or MRCP).tw.
48	(MR adj (imag\$ or scan\$)).tw.
49	(magnet\$ adj (imag\$ or scan\$)).tw.
50	(magneti?ation adj3 imaging).tw.
51	exp Tomography/
52	exp Tomography, X-Ray Computed/
53	PET\$1.tw.
54	PET-CT.tw.

#	Searches
55	(comput\$ adj1 tomogra\$).tw.
56	((diffusion or planar or echoplanar or functional or nuclear or radionuclide or radioisotope or conventional) adj2 (scan\$ or imag\$ or tomogra\$)).tw.
57	(FDG-PET or FES-PET or 18F-FDG-PET or FLT-PET).mp.
58	((CT or CAT) adj (scan\$ or imaging or examination)).tw.
59	(PET adj (scan\$ or imag\$ or examination)).tw.
60	positron emission tomograph\$.mp.
61	(EUS or EUS-FNA).tw.
62	Cholangiopancreatography, Endoscopic Retrograde/
63	ECRP.tw.
64	cholangiopancreatograph\$.tw.
65	exp Biopsy/
66	(biops\$ or FNA).tw.
67	exp Laparoscopy/
68	laparoscop\$.tw.
69	exp Cell Biology/
70	exp Histology/
71	(cytolog\$ or histol\$).tw.
72	exp Biomarkers/
73	(CA19-9 or CEA or Kras or GNAS or p53 or p16).tw.
74	biomark\$.tw.
75	(BRCA2 or PRSS1 or PALB2 or STK11 or ATM).tw.
76	or/41-75
77	(familial or (family adj histor\$)).tw.
78	(hereditary or inherit\$).tw.
79	exp Genetics/
80	genetic\$.tw.
81	(gene or genes).tw.
82	Genetic Screening/
83	exp Genetic Predisposition to Disease/
84	Genetic Counseling/
85	exp Genetic Techniques/
86	(BRCA2 or P53 or PRSS1 or PALB2 or p16 or STK11 or ATM).tw.
87	Dysplastic Nevus Syndrome/
88	(AMS or FAMMM).tw.
89	((mole or melanoma) adj2 syndrome).tw.
90	(familial adj atypical adj multiple adj mole adj melanoma).tw.
91	(dysplastic adj nevus adj syndrome).tw.
92	Ataxia Telangiectasia/
93	(ataxia-telangiectasia or (ataxia adj telangiectasia)).tw.
94	(Louis adj Bar\$).tw.
95	Adenomatous Polyposis Coli/
96	(familial adenomatous polyposis or familial polyposis or adenomatous polyposis coli or polyposis coli or FAP).tw.
97	"Hereditary Breast and Ovarian Cancer Syndrome"/
98	(hereditary breast and ovarian cancer syndrome).tw.

#	Searches
99	HBOC.tw.
100	Li-Fraumeni Syndrome/
101	Li-Fraumeni syndrome.tw.
102	(SBLA or LFS).tw.
103	Colorectal Neoplasms, Hereditary Nonpolyposis/
104	lynch syndrome.tw.
105	hereditary nonpolyposis colorectal cancer.tw.
106	HNPCC.tw.
107	Peutz-Jeghers Syndrome/
108	Peutz-Jeghers syndrome.tw.
109	PJS.tw.
110	Cystic Fibrosis/
111	((cystic or pancrea\$) adj2 (fibrosis or fibrocystic)).tw.
112	mucov\$.tw.
113	tumo?r predisposition syndrome\$.tw.
114	or/77-113
115	22 and 114
116	(familial pancreatic cancer or hereditary pancreatic cancer).tw.
117	FPC.tw.
118	or/115-117
119	Pancreatitis, Chronic/
120	(chronic adj2 pancreatitis).tw.
121	119 or 120
122	or/77-86
123	121 and 122
124	((familial or hereditary) adj2 pancreatitis).tw.
125	123 or 124
126	22 and 125
127	118 or 126
128	limit 127 to yr="2000 -Current"
129	high\$ risk.tw.
130	22 and 129
131	Limit130 to yr="2000 -Current"
132	128 or 131
133	22 and 132
134	Early Diagnosis/
135	"Early Detection of Cancer"/
136	(early adj (diagnos\$ or detect\$)).tw.
137	*Mass Screening/
138	(screening or surveillance).tw.
139	Risk Assessment/
140	exp Inheritance Patterns/
141	or/134-140
142	133 and 141
143	30 and 133

#	Searches
144	40 and 133
145	142 or 143 or 144
146	145 and 76

D.1.4.2 Database: Embase

Last searched on **OID Embase** 1974 to 2017 April 22. Date of last search: 24th April 2017.

#	Searches
1	exp pancreas cancer/
2	gastrinoma/
3	glucagonoma/
4	somatostatinoma/
5	insulinoma/
6	vipoma/
7	(pancrea\$ adj4 (neoplas\$ or cancer\$ or tumo?\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).ti,ab.
8	(gastrinoma\$ or glucagonoma\$ or somatostatinoma\$ or insulinoma\$ or vipoma\$ or pancreatoblastoma\$).ti,ab.
9	or/1-8
10	exp acinar cell carcinoma/
11	(acinar adj3 (neoplas\$ or cancer\$ or tumo?\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).ti,ab.
12	10 or 11
13	exp pancreas/
14	(pancreas or pancreatic).ti,ab.
15	13 or 14
16	12 and 15
17	exp pancreas islet cell tumor/
18	(islet\$ adj3 (neoplas\$ or cancer\$ or tumo?\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).ti,ab.
19	17 or 18
20	9 or 19
21	exp "SENSITIVITY AND SPECIFICITY"/
22	sensitivity.tw.
23	specificity.tw.
24	((pre-test or pretest) adj probability).tw.
25	post-test probability.tw.
26	predictive value\$.tw.
27	likelihood ratio\$.tw.
28	*Diagnostic Accuracy/
29	or/21-28
30	systematic review/
31	meta-analysis/
32	(meta analy* or metanaly* or metaanaly*).ti,ab.
33	((systematic or evidence) adj2 (review* or overview*)).ti,ab.
34	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
35	(search strategy or search criteria or systematic search or study selection or data

#	Searches
	extraction).ab.
36	(search* adj4 literature).ab.
37	(medline or pubmed or cochrane or embase or psychlit or psychlit or psychinfo or psycinfo or cinahl or science citation index or bids or cancerlit).ab.
38	((pool* or combined) adj2 (data or trials or studies or results)).ab.
39	cochrane.jw.
40	or/30-39
41	exp radiography/
42	(radiograph\$ or xray or x-ray).mp.
43	exp echography/
44	exp ultrasound/
45	(ultrasound\$ or ultrasonograph\$ or sonogra\$ or endosonogra\$).mp.
46	exp nuclear magnetic resonance imaging/
47	magnet\$ resonance.mp.
48	(MRI or MRI\$1 or NMR\$1 or MRCP).tw.
49	(MR adj (imag\$ or scan\$)).tw.
50	(magnet\$ adj (imag\$ or scan\$)).tw.
51	(magneti?ation adj3 imaging).tw.
52	exp tomography/
53	exp computer assisted tomography/
54	(PET\$1 or PET-CT).tw.
55	(comput\$ adj1 tomogra\$).tw.
56	((diffusion or planar or echoplanar or functional or nuclear or radionuclide or radioisotope or conventional) adj2 (scan\$ or imag\$ or tomogra\$)).tw.
57	(FDG-PET or FES-PET or 18F-FDG-PET or FLT-PET).mp.
58	((CT or CAT) adj (scan\$ or imaging or examination)).tw.
59	(PET adj (scan\$ or imag\$ or examination)).tw.
60	positron emission tomograph\$.mp.
61	(EUS or EUS-FNA).tw.
62	magnetic resonance cholangiopancreatography/
63	endoscopic retrograde cholangiopancreatography/
64	ECRP.tw.
65	cholangiopancreatograph\$.tw.
66	exp biopsy/
67	(biops\$ or FNA).tw.
68	exp laparoscopy/
69	laparoscop\$.tw.
70	exp cytology/
71	exp histology/
72	(cytolog\$ or histol\$).tw.
73	exp biological marker/
74	(CA19-9 or CEA or Kras or GNAS or p53 or p16 or BRCA2 or PRSS1 or PALB2 or STK11 or ATM).tw.
75	biomark\$.tw.
76	or/41-75
77	(familial or (family adj histor\$)).tw.

#	Searches
78	(hereditary or inherit\$.tw.
79	exp genetics/
80	genetic\$.tw.
81	(gene or genes).tw.
82	genetic screening/
83	exp genetic predisposition/
84	genetic counseling/
85	exp genetic procedures/
86	(BRCA2 or P53 or PRSS1 or PALB2 or p16 or STK11 or ATM).tw.
87	ataxia telangiectasia/
88	(ataxia-telangiectasia or (ataxia adj telangiectasia)).tw.
89	(Louis adj Bar\$.tw.
90	familial atypical multiple mole melanoma syndrome/
91	(AMS or FAMMM).tw.
92	((mole or melanoma) adj2 syndrome).tw.
93	(familial adj atypical adj multiple adj mole adj melanoma).tw.
94	(dysplastic adj nevus adj syndrome).tw.
95	familial colon polyposis/
96	(familial adenomatous polyposis or familial polyposis or adenomatous polyposis coli or polyposis coli or FAP).tw.
97	"hereditary breast and ovarian cancer syndrome"/
98	(hereditary breast and ovarian cancer syndrome).tw.
99	HBOC.tw.
100	familial cancer/
101	Li-Fraumeni syndrome.tw.
102	(SBLA or LFS).tw.
103	hereditary nonpolyposis colorectal cancer/
104	lynch syndrome.tw.
105	hereditary nonpolyposis colorectal cancer.tw.
106	HNPCC.tw.
107	Peutz Jeghers syndrome/
108	Peutz-Jeghers syndrome.tw.
109	PJS.tw.
110	cystic fibrosis/
111	((cystic or pancrea\$) adj2 (fibrosis or fibrocystic)).tw.
112	mucov\$.tw.
113	tumo?r predisposition syndrome\$.tw.
114	or/77-113
115	20 and 114
116	(familial pancreatic cancer or hereditary pancreatic cancer).tw.
117	FPC.tw.
118	or/115-117
119	chronic pancreatitis/
120	(chronic adj2 pancreatitis).tw.
121	119 or 120
122	or/77-86

#	Searches
123	121 and 122
124	((familial or hereditary) adj2 pancreatitis).tw.
125	123 or 124
126	20 and 125
127	118 or 126
128	limit 127 to yr="2000 -Current"
129	high\$ risk.tw.
130	20 and 129
131	limit130 to yr="2000 -Current"
132	128 or 131
133	20 and 132
134	early diagnosis/
135	(early adj (diagnos\$ or detect\$)).tw.
136	*mass screening/
137	(screening or surveillance).tw.
138	risk assessment/
139	inheritance/
140	or/134-139
141	133 and 140
142	30 and 133
143	40 and 133
144	or/141-143
145	76 and 144

D.1.5 Staging

What is the most effective investigative pathway for staging adults with newly diagnosed pancreatic cancer or a non-definitive diagnostic result as resectable, borderline resectable, locally advanced or metastatic disease?

D.1.5.1 Database: Medline [Review questions D.1.1, D.1.2, D.1.3, D.1.4 & Error: Reference source not found]

Last searched on **Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present**. Date of last search: 24th April 2017.

#	Searches
1	exp Pancreatic Neoplasms/
2	exp Carcinoma, Pancreatic Ductal/
3	exp Gastrinoma/
4	exp Glucagonoma/
5	exp Somatostatinoma/
6	exp Insulinoma/
7	exp Vipoma/
8	(pancrea\$ adj4 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
9	(gastrinoma\$ or glucagonoma\$ or somatostatinoma\$ or insulinoma\$ or vipoma\$ or pancreatoblastoma\$).tw.

#	Searches
10	1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9
11	exp Carcinoma, Acinar Cell/
12	(acinar adj3 (neoplas\$ or cancer\$ or tumor\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
13	11 or 12
14	exp Pancreas/
15	(pancreas or pancreatic).tw.
16	14 or 15
17	13 and 16
18	exp Adenoma, Islet Cell/
19	exp Carcinoma, Islet Cell/
20	(islet\$ adj3 (neoplas\$ or cancer\$ or tumor\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
21	18 or 19 or 20
22	10 or 17 or 21
23	exp "Sensitivity and Specificity"/
24	sensitivity.tw.
25	specificity.tw.
26	((pre-test or pretest) adj probability).tw.
27	post-test probability.tw.
28	predictive value\$.tw.
29	likelihood ratio\$.tw.
30	or/23-29
31	Meta-Analysis/
32	Meta-Analysis as Topic/
33	(meta analy* or metanaly* or metaanaly*).ti,ab.
34	((systematic* or evidence*) adj2 (review* or overview*)).ti,ab.
35	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
36	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
37	(search* adj4 literature).ab.
38	(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.
39	cochrane.jw.
40	or/31-39
41	exp Radiography/
42	(radiograph\$ or xray or x-ray).mp.
43	exp Ultrasonography/
44	(ultrasound\$ or ultrasonograph\$ or sonogra\$ or endosonogra\$).mp.
45	exp Magnetic Resonance Imaging/
46	magnet\$ resonance.mp.
47	(MRI or MRI\$1 or NMR\$1 or MRCP).tw.
48	(MR adj (imag\$ or scan\$)).tw.
49	(magnet\$ adj (imag\$ or scan\$)).tw.
50	(magneti?ation adj3 imaging).tw.
51	exp Tomography/

#	Searches
52	exp Tomography, X-Ray Computed/
53	PET\$1.tw.
54	PET-CT.tw.
55	(comput\$ adj1 tomogra\$).tw.
56	((diffusion or planar or echoplanar or functional or nuclear or radionuclide or radioisotope or conventional) adj2 (scan\$ or imag\$ or tomogra\$)).tw.
57	(FDG-PET or FES-PET or 18F-FDG-PET or FLT-PET).mp.
58	((CT or CAT) adj (scan\$ or imaging or examination)).tw.
59	(PET adj (scan\$ or imag\$ or examination)).tw.
60	positron emission tomograph\$.mp.
61	(EUS or EUS-FNA).tw.
62	Cholangiopancreatography, Endoscopic Retrograde/
63	ECRP.tw.
64	cholangiopancreatograph\$.tw.
65	exp Biopsy/
66	(biops\$ or FNA).tw.
67	exp Laparoscopy/
68	laparoscop\$.tw.
69	exp Cell Biology/
70	exp Histology/
71	(cytolog\$ or histol\$).tw.
72	exp Biomarkers/
73	(CA19-9 or CEA or Kras or GNAS or p53 or p16).tw.
74	biomark\$.tw.
75	(BRCA2 or PRSS1 or PALB2 or STK11 or ATM).tw.
76	or/41-75
77	22 and 30 and 76
78	22 and 40 and 76
79	77 or 78
80	limit 79 to yr="2000 -Current"
81	exp Pancreatic Cyst/
82	(pancrea* adj5 cyst*).tw.
83	81 or 82
84	40 and 83
85	30 and 76 and 83
86	84 or 85
87	limit 86 to yr="2000 -Current"
88	80 or 87
89	*Neoplasm Staging/
90	staging.m_titl.
91	89 or 90
92	22 and 91
93	88 or 92

D.1.5.2 Database: Embase [Review questions D.1.1, D.1.2, D.1.3 & Error: Reference source not found]

Last searched on **OVID Embase** 1974 to 2017 April 22. Date of last search: 24th April 2017.

#	Searches
1	exp pancreas cancer/
2	gastrinoma/
3	glucagonoma/
4	somatostatinoma/
5	insulinoma/
6	vipoma/
7	(pancrea\$ adj4 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).ti,ab.
8	(gastrinoma\$ or glucagonoma\$ or somatostatinoma\$ or insulinoma\$ or vipoma\$ or pancreatoblastoma\$).ti,ab.
9	or/1-8
10	exp acinar cell carcinoma/
11	(acinar adj3 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).ti,ab.
12	10 or 11
13	exp pancreas/
14	(pancreas or pancreatic).ti,ab.
15	13 or 14
16	12 and 15
17	exp pancreas islet cell tumor/
18	(islet\$ adj3 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).ti,ab.
19	17 or 18
20	9 or 19
21	exp "SENSITIVITY AND SPECIFICITY"/
22	sensitivity.tw.
23	specificity.tw.
24	((pre-test or pretest) adj probability).tw.
25	post-test probability.tw.
26	predictive value\$.tw.
27	likelihood ratio\$.tw.
28	*Diagnostic Accuracy/
29	21 or 22 or 23 or 24 or 25 or 26 or 27 or 28
30	systematic review/
31	meta-analysis/
32	(meta analy* or metanaly* or metaanaly*).ti,ab.
33	((systematic or evidence) adj2 (review* or overview*)).ti,ab.
34	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
35	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
36	(search* adj4 literature).ab.
37	(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.
38	((pool* or combined) adj2 (data or trials or studies or results)).ab.

#	Searches
39	cochrane.jw.
40	or/30-40
41	exp radiography/
42	(radiograph\$ or xray or x-ray).mp.
43	exp echography/
44	exp ultrasound/
45	(ultrasound\$ or ultrasonograph\$ or sonogra\$ or endosonogra\$).mp.
46	exp nuclear magnetic resonance imaging/
47	magnet\$ resonance.mp.
48	(MRI or MRI\$1 or NMR\$1 or MRCP).tw.
49	(MR adj (imag\$ or scan\$)).tw.
50	(magnet\$ adj (imag\$ or scan\$)).tw.
51	(magneti?ation adj3 imaging).tw.
52	exp tomography/
53	exp computer assisted tomography/
54	(PET\$1 or PET-CT).tw.
55	(comput\$ adj1 tomogra\$).tw.
56	((diffusion or planar or echoplanar or functional or nuclear or radionuclide or radioisotope or conventional) adj2 (scan\$ or imag\$ or tomogra\$)).tw.
57	(FDG-PET or FES-PET or 18F-FDG-PET or FLT-PET).mp.
58	((CT or CAT) adj (scan\$ or imaging or examination)).tw.
59	(PET adj (scan\$ or imag\$ or examination)).tw.
60	positron emission tomograph\$.mp.
61	(EUS or EUS-FNA).tw.
62	magnetic resonance cholangiopancreatography/
63	endoscopic retrograde cholangiopancreatography/
64	ECRP.tw.
65	cholangiopancreatograph\$.tw.
66	exp biopsy/
67	(biops\$ or FNA).tw.
68	exp laparoscopy/
69	laparoscop\$.tw.
70	exp cytology/
71	exp histology/
72	(cytolog\$ or histol\$).tw.
73	exp biological marker/
74	(CA19-9 or CEA or Kras or GNAS or p53 or p16 or BRCA2 or PRSS1 or PALB2 or STK11 or ATM).tw.
75	biomark\$.tw.
76	or/41-75
77	20 and 29 and 76
78	20 and 40 and 76
79	77 or 78
80	limit 79 to yr="2000 -Current"
81	exp pancreas cyst/
82	(pancrea\$ adj5 cyst\$).tw.

#	Searches
83	81 or 82
84	40 and 83
85	29 and 76 and 83
86	84 or 85
87	limit 86 to yr="2000 -Current"
88	80 or 87
89	*cancer staging/
90	staging.m_titl.
91	89 or 90
92	22 and 91
93	88 or 92

D.1.5.3 Database: Cochrane Library via Wiley Online

Date of last search: 24th April 2017.

#	Searches
#1	MeSH descriptor: [Pancreatic Neoplasms] explode all trees
#2	MeSH descriptor: [Carcinoma, Pancreatic Ductal] explode all trees
#3	MeSH descriptor: [Gastrinoma] explode all trees
#4	MeSH descriptor: [Glucagonoma] explode all trees
#5	MeSH descriptor: [Somatostatinoma] explode all trees
#6	MeSH descriptor: [Insulinoma] explode all trees
#7	MeSH descriptor: [Vipoma] explode all trees
#8	(pancrea* near/4 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metastas*)):ti,ab,kw (Word variations have been searched)
#9	(gastrinoma* or glucagonoma* or somatostatinoma* or insulinoma* or vipoma* or pancreatoblastoma*):ti,ab,kw (Word variations have been searched)
#10	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9
#11	MeSH descriptor: [Carcinoma, Acinar Cell] explode all trees
#12	(acinar near/3 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metastas*)):ti,ab,kw (Word variations have been searched)
#13	#11 or #12
#14	MeSH descriptor: [Pancreas] explode all trees
#15	pancreas or pancreatic:ti,ab,kw (Word variations have been searched)
#16	#14 or #15
#17	#13 and #16
#18	MeSH descriptor: [Adenoma, Islet Cell] explode all trees
#19	MeSH descriptor: [Carcinoma, Islet Cell] explode all trees
#20	(islet* near/3 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metastas*)):ti,ab,kw (Word variations have been searched)
#21	#10 or #17 or #18 or #19 or #20
#22	MeSH descriptor: [Diagnostic Imaging] explode all trees
#23	MeSH descriptor: [Radiography] explode all trees
#24	(radiograph* or xray or x-ray):ti,ab,kw (Word variations have been searched)
#25	MeSH descriptor: [Ultrasonography] explode all trees
#26	(ultrasound* or ultrasonograph* or sonogra* or endosonogra*):ti,ab,kw (Word variations have been searched)

#	Searches
#27	(EUS or EUS-FNA or ERCP):ti,ab,kw (Word variations have been searched)
#28	MeSH descriptor: [Magnetic Resonance Imaging] explode all trees
#29	magne* resonance:ti,ab,kw (Word variations have been searched)
#30	(MR next (imag* or scan*)):ti,ab,kw (Word variations have been searched)
#31	(magnet* next (imag* or scan*)):ti,ab,kw (Word variations have been searched)
#32	((magnetisation or magnetization) near/3 imaging):ti,ab,kw (Word variations have been searched)
#33	(MRI or MRI* or NMR* or MRCP):ti,ab,kw (Word variations have been searched)
#34	MeSH descriptor: [Cholangiopancreatography, Endoscopic Retrograde] explode all trees
#35	MeSH descriptor: [Cholangiopancreatography, Magnetic Resonance] explode all trees
#36	cholangiopancreatograph*:ti,ab,kw (Word variations have been searched)
#37	MeSH descriptor: [Tomography] explode all trees
#38	MeSH descriptor: [Tomography, X-Ray Computed] explode all trees
#39	(PET* or PET-CT):ti,ab,kw (Word variations have been searched)
#40	(comput* near/1 tomogra*):ti,ab,kw (Word variations have been searched)
#41	((diffusion or planar or echoplanar or functional or nuclear or radionuclide or radioisotope or conventional) near/2 (scan* or imag* or tomogra*)):ti,ab,kw (Word variations have been searched)
#42	((CT or CAT) next (scan* or imaging or examination)):ti,ab,kw (Word variations have been searched)
#43	(PET next (scan* or imag* or examination)):ti,ab,kw (Word variations have been searched)
#44	positron emission tomograph*:ti,ab,kw (Word variations have been searched)
#45	MeSH descriptor: [Biopsy] explode all trees
#46	(biops* or FNA or aspirat*):ti,ab,kw (Word variations have been searched)
#47	MeSH descriptor: [Laparoscopy] explode all trees
#48	laparoscop*:ti,ab,kw (Word variations have been searched)
#49	MeSH descriptor: [Cell Biology] explode all trees
#50	MeSH descriptor: [Histology] explode all trees
#51	(cytolog* or histol*):ti,ab,kw (Word variations have been searched)
#52	(biliary next brush*):ti,ab,kw (Word variations have been searched)
#53	MeSH descriptor: [Biomarkers] explode all trees
#54	biomark*:ti,ab,kw (Word variations have been searched)
#55	(CA19-9 or CEA or Kras or GNAS or p53 or p16 or BRCA2 or PRSS1 or PALB2 or STK11 or ATM):ti,ab,kw (Word variations have been searched)
#56	endomicroscop*:ti,ab,kw (Word variations have been searched)
#57	#22 or #23 or #24 or #25 or #26 or #27 or #28 or #29 or #30 or #31 or #32 or #33 or #34 or #35 or #36 or #37 or #38 or #39 or #40 or #41 or #42 or #43 or #44 or #45 or #46 or #47 or #48 or #49 or #50 or #51 or #52 or #53 or #54 or #55 or #56
#58	#21 and #57
#59	MeSH descriptor: [Pancreatic Cyst] explode all trees
#60	pancrea* near/5 cyst*:ti,ab,kw (Word variations have been searched)
#61	(pancrea* near/5 (mass* or abnormalit* or lump*)):ti,ab,kw (Word variations have been searched)
#62	MeSH descriptor: [Dysplastic Nevus Syndrome] explode all trees
#63	(AMS or FAMMM):ti,ab,kw (Word variations have been searched)
#64	((mole or melanoma) near/2 syndrome):ti,ab,kw (Word variations have been searched)
#65	familial atypical multiple mole melanoma:ti,ab,kw (Word variations have been searched)

#	Searches
#66	"dysplastic nevus syndrome":ti,ab,kw (Word variations have been searched)
#67	MeSH descriptor: [Ataxia Telangiectasia] explode all trees
#68	(ataxia-telangiectasia or (ataxia next telangiectasia)):ti,ab,kw (Word variations have been searched)
#69	Louis next Bar*:ti,ab,kw (Word variations have been searched)
#70	Louis-Bar*:ti,ab,kw (Word variations have been searched)
#71	MeSH descriptor: [Adenomatous Polyposis Coli] explode all trees
#72	(familial adenomatous polyposis or familial polyposis or adenomatous polyposis coli or polyposis coli or FAP):ti,ab,kw (Word variations have been searched)
#73	MeSH descriptor: [Hereditary Breast and Ovarian Cancer Syndrome] explode all trees
#74	hereditary breast and ovarian cancer syndrome:ti,ab,kw (Word variations have been searched)
#75	HBOC:ti,ab,kw (Word variations have been searched)
#76	MeSH descriptor: [Li-Fraumeni Syndrome] explode all trees
#77	"Li-Fraumeni syndrome":ti,ab,kw (Word variations have been searched)
#78	(SBLA or LFS):ti,ab,kw (Word variations have been searched)
#79	MeSH descriptor: [Colorectal Neoplasms, Hereditary Nonpolyposis] explode all trees
#80	lynch syndrome:ti,ab,kw (Word variations have been searched)
#81	"hereditary nonpolyposis colorectal cancer":ti,ab,kw (Word variations have been searched)
#82	"HNPCC":ti,ab,kw (Word variations have been searched)
#83	MeSH descriptor: [Peutz-Jeghers Syndrome] explode all trees
#84	"Peutz-Jeghers syndrome":ti,ab,kw (Word variations have been searched)
#85	(PJS):ti,ab,kw (Word variations have been searched)
#86	familial pancreatic cancer or hereditary pancreatic cancer:ti,ab,kw (Word variations have been searched)
#87	"FPC":ti,ab,kw (Word variations have been searched)
#88	tumor predisposition syndrome* or tumour predisposition syndrome*:ti,ab,kw (Word variations have been searched)
#89	MeSH descriptor: [Pancreatitis, Chronic] explode all trees
#90	((chronic or familial or hereditary) near/2 pancreatitis):ti,ab,kw (Word variations have been searched)
#91	MeSH descriptor: [Jaundice, Obstructive] explode all trees
#92	(obstruct* near/5 jaundice):ti,ab,kw (Word variations have been searched)
#93	#59 or #60 or #61 or #62 or #63 or #64 or #65 or #66 or #67 or #68 or #69 or #70 or #71 or #72 or #73 or #74 or #75 or #76 or #77 or #78 or #79 or #80 or #81 or #82 or #83 or #84 or #85 or #86 or #87 or #88 or #89 or #90 or #91 or #92
#94	#57 and #93
#95	#58 or #94
#96	MeSH descriptor: [Cystic Fibrosis] explode all trees
#97	((cystic or pancrea*) near/2 (fibrosis or fibrocystic)):ti,ab,kw (Word variations have been searched)
#98	mucov*:ti,ab,kw (Word variations have been searched)
#99	#96 or #97 or #98
#100	#21 and #99
#101	#95 or #100
#102	MeSH descriptor: [Neoplasm Staging] explode all trees

#	Searches
2	
#10 3	"staging":ti (Word variations have been searched)
#10 4	#102 or #103
#10 5	#21 and #104
#10 6	#101 or #105

D.2 Referral to specialist teams

Does referral of all adults with suspected pancreatic cancer to a specialist MDT for review improve patient management and outcomes?

D.2.1 Database: Medline

Last searched on **Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present**. Date of last search: 12th October 2016.

#	Searches
1	exp Pancreatic Neoplasms/
2	exp Carcinoma, Pancreatic Ductal/
3	exp Gastrinoma/
4	exp Glucagonoma/
5	exp Somatostatinoma/
6	exp Insulinoma/
7	exp Vipoma/
8	(pancrea\$ adj4 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
9	(gastrinoma\$ or glucagonoma\$ or somatostatinoma\$ or insulinoma\$ or vipoma\$ or pancreatoblastoma\$).tw.
10	1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9
11	exp Carcinoma, Acinar Cell/
12	(acinar adj3 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
13	11 or 12
14	exp Pancreas/
15	(pancreas or pancreatic).tw.
16	14 or 15
17	13 and 16
18	exp Adenoma, Islet Cell/
19	exp Carcinoma, Islet Cell/
20	(islet\$ adj3 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
21	18 or 19 or 20
22	10 or 17 or 21
23	Physician's Practice Patterns/
24	exp Interprofessional Relations/

#	Searches
25	(multiprofession\$ or multi-profession\$ or multi profession\$).tw.
26	(interprofession\$ or inter-professional\$ or inter profession\$).tw.
27	(crossdisciplinary or cross-disciplinary or cross disciplinary).tw.
28	((multidisciplinary or multi-disciplinary or multi disciplinary) adj2 (clinic or centre\$ or team\$ or management or treatment or therap\$)).tw.
29	MDT\$1.tw.
30	exp Nurses/
31	Oncologic Nursing/
32	oncology\$ nurs\$.tw.
33	(nurs\$ specialist\$ or specialist\$ nurs\$).tw.
34	exp Practice Patterns, Nurses'/
35	exp Patient Care Team/
36	assessment\$ team\$.tw.
37	specialist\$ team\$.tw.
38	(skillmix\$ or skill\$-mix\$ or skill\$ mix\$).tw.
39	team meeting\$.tw.
40	management plan\$.tw.
41	Patient-Centered Care/
42	Continuity of Patient Care/
43	*"Delivery of Health Care"/
44	(integrated adj2 care).tw.
45	(teamwork\$ or team-work\$ or team work\$).tw.
46	exp "Referral and Consultation"/
47	(refer?al? or refer? or refer?ed).ti.
48	*Hospitals, High-Volume/
49	*Hospitals, Low-Volume/
50	(hospital adj (volume or size)).tw.
51	or/23-50
52	22 and 51

D.2.2 Database: Embase

Last searched on **OID Embase** 1974 to 2016 October 12. Date of last search: 12th October 2016.

#	Searches
1	exp pancreas cancer/
2	gastrinoma/
3	glucagonoma/
4	somatostatinoma/
5	insulinoma/
6	vipoma/
7	(pancrea\$ adj4 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).ti,ab.
8	(gastrinoma\$ or glucagonoma\$ or somatostatinoma\$ or insulinoma\$ or vipoma\$ or pancreatoblastoma\$).ti,ab.
9	1 or 2 or 3 or 4 or 5 or 6 or 7 or 8
10	exp acinar cell carcinoma/

#	Searches
11	(acinar adj3 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).ti,ab.
12	10 or 11
13	exp pancreas/
14	(pancreas or pancreatic).ti,ab.
15	13 or 14
16	12 and 15
17	exp pancreas islet cell tumor/
18	(islet\$ adj3 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).ti,ab.
19	17 or 18
20	9 or 16 or 19
21	*clinical practice/
22	exp public relations/
23	(multiprofession\$ or multi-profession\$ or multi profession\$).tw.
24	(interprofession\$ or inter-professional\$ or inter profession\$).tw.
25	(crossdisciplinary or cross-disciplinary or cross disciplinary).tw.
26	((multidisciplinary or multi-disciplinary or multi disciplinary) adj2 (clinic or centre\$ or team\$ or management or treatment or therap\$)).tw.
27	MDT\$1.tw.
28	exp nurse/
29	exp oncology nursing/
30	oncology\$ nurs\$.tw.
31	(nurs\$ specialist\$ or specialist\$ nurs\$).tw.
32	exp nursing practice/
33	*patient care/
34	assessment\$ team\$.tw.
35	specialist\$ team\$.tw.
36	(skillmix\$ or skill\$-mix\$ or skill\$ mix\$).tw.
37	team meeting\$.tw.
38	management plan\$.tw.
39	*health care delivery/
40	(integrated adj2 care).tw.
41	(teamwork\$ or team-work\$ or team work\$).tw.
42	exp patient referral/
43	(refer?al? or refer? or refer?ed).ti.
44	exp high volume hospital/
45	exp low volume hospital/
46	(hospital adj (volume or size)).tw.
47	or/21-46
48	20 and 47

D.2.3 Database: Cochrane Library via Wiley Online

Date of last search: 12th October 2016.

#	Searches
#1	MeSH descriptor: [Pancreatic Neoplasms] explode all trees

#	Searches
#2	MeSH descriptor: [Carcinoma, Pancreatic Ductal] explode all trees
#3	MeSH descriptor: [Gastrinoma] explode all trees
#4	MeSH descriptor: [Glucagonoma] explode all trees
#5	MeSH descriptor: [Somatostatinoma] explode all trees
#6	MeSH descriptor: [Insulinoma] explode all trees
#7	MeSH descriptor: [Vipoma] explode all trees
#8	(pancrea* near/4 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metastas*)):ti,ab,kw (Word variations have been searched)
#9	(gastrinoma* or glucagonoma* or somatostatinoma* or insulinoma* or vipoma* or pancreatoblastoma*):ti,ab,kw (Word variations have been searched)
#10	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9
#11	MeSH descriptor: [Carcinoma, Acinar Cell] explode all trees
#12	(acinar near/3 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metastas*)):ti,ab,kw (Word variations have been searched)
#13	#11 or #12
#14	MeSH descriptor: [Pancreas] explode all trees
#15	pancreas or pancreatic:ti,ab,kw (Word variations have been searched)
#16	#14 or #15
#17	#13 and #16
#18	MeSH descriptor: [Adenoma, Islet Cell] explode all trees
#19	MeSH descriptor: [Carcinoma, Islet Cell] explode all trees
#20	(islet* near/3 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metastas*)):ti,ab,kw (Word variations have been searched)
#21	#10 or #17 or #18 or #19 or #20
#22	MeSH descriptor: [Practice Patterns, Physicians'] explode all trees
#23	MeSH descriptor: [Interprofessional Relations] explode all trees
#24	(multiprofession* or multi-profession* or multi profession*):ti,ab,kw (Word variations have been searched)
#25	(interprofession* or inter-professional* or inter profession*):ti,ab,kw (Word variations have been searched)
#26	(crossdisciplinary or cross-disciplinary or cross disciplinary):ti,ab,kw (Word variations have been searched)
#27	((multidisciplinary or multi-disciplinary or multi disciplinary) near/2 (clinic or centre* or team* or management or treatment or therap*)):ti,ab,kw (Word variations have been searched)
#28	MDT*:ti,ab,kw (Word variations have been searched)
#29	MeSH descriptor: [Nurses] explode all trees
#30	MeSH descriptor: [Oncology Nursing] explode all trees
#31	oncolog* nurs*:ti,ab,kw (Word variations have been searched)
#32	(nurs* specialist* or specialist* nurs*):ti,ab,kw (Word variations have been searched)
#33	MeSH descriptor: [Practice Patterns, Nurses'] explode all trees
#34	MeSH descriptor: [Patient Care Team] explode all trees
#35	assessment* team*:ti,ab,kw (Word variations have been searched)
#36	specialist* team*:ti,ab,kw (Word variations have been searched)
#37	(skillmix* or skill*-mix* or skill* mix*):ti,ab,kw (Word variations have been searched)
#38	team meeting*:ti,ab,kw (Word variations have been searched)
#39	management plan*:ti,ab,kw (Word variations have been searched)
#40	MeSH descriptor: [Patient-Centered Care] explode all trees

#	Searches
#41	MeSH descriptor: [Continuity of Patient Care] explode all trees
#42	MeSH descriptor: [Delivery of Health Care] this term only
#43	(integrated near/2 care):ti,ab,kw (Word variations have been searched)
#44	(teamwork* or team-work* or team work*):ti,ab,kw (Word variations have been searched)
#45	MeSH descriptor: [Referral and Consultation] explode all trees
#46	(refer?al* or refer* or refer?ed):ti,ab,kw (Word variations have been searched)
#47	MeSH descriptor: [Hospitals, High-Volume] explode all trees
#48	MeSH descriptor: [Hospitals, Low-Volume] explode all trees
#49	(hospital next (volume or size)):ti,ab,kw (Word variations have been searched)
#50	#22 or #23 or #24 or #25 or #26 or #27 or #28 or #29 or #30 or #31 or #32 or #33 or #34 or #35 or #36 or #37 or #38 or #39 or #40 or #41 or #42 or #43 or #44 or #45 or #46 or #47 or #48 or #49
#51	#21 and #50

D.2.4 Database: Web of Science Core Collection

Timespan=All years. Date of last search: 13th October 2016.

#	Searches
#20	#19 AND #7
#19	#18 OR #17 OR #16 OR #15 OR #14 OR #13 OR #12 OR #11 OR #10 OR #9 OR #8
#18	TS=(hospital NEAR/1 (volume or size))
#17	TI=(refer?al* or refer?ed)
#16	TS=(teamwork* or team-work* or team work*)
#15	TS=(integrated NEAR/2 care)
#14	TS=(team meeting*)
#13	TS=(skillmix* or skill*-mix* or skill* mix*)
#12	TS=(assessment* team* or specialist* team*)
#11	TS=(nurs* specialist* or specialist* nurs* or oncolog* nurs*)
#10	TS=MDT*
#9	TS=((multidisciplinary or multi-disciplinary or multi disciplinary) SAME (clinic or centre* or center* or team*))
#8	TS=(multiprofession* or multi-profession* or multi profession* or interprofession* or inter-professional* or inter profession* or crossdisciplinary or cross-disciplinary or cross disciplinary)
#7	#6 OR #5 OR #2 OR #1
#6	TS=(islet* NEAR/5 (neoplasm* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*))
#5	#4 AND #3
#4	TS=(pancreas or pancreatic)
#3	TS=(acinar NEAR/5 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*))
#2	TS=(gastrinoma* or glucagonoma* or somatostatinoma* or insulinoma* or vipoma* or pancreatoblastoma*)
#1	TS=(pancrea* NEAR/5 (neoplasm* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*))

D.3 Psychological support needs

What are the specific psychological support needs (including information) of adults with newly diagnosed or recurrent pancreatic cancer and their families or carers (as appropriate) throughout the care pathway?

D.3.1 Database: Medline

Last searched on **Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present**. Date of last search: 6th June 2016.

#	Searches
1	exp Pancreatic Neoplasms/
2	exp Carcinoma, Pancreatic Ductal/
3	exp Gastrinoma/
4	exp Glucagonoma/
5	exp Somatostatinoma/
6	exp Insulinoma/
7	exp Vipoma/
8	(pancrea\$ adj4 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
9	(gastrinoma\$ or glucagonoma\$ or somatostatinoma\$ or insulinoma\$ or vipoma\$ or pancreatoblastoma\$).tw.
10	1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9
11	exp Carcinoma, Acinar Cell/
12	(acinar adj3 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
13	11 or 12
14	exp Pancreas/
15	(pancreas or pancreatic).tw.
16	14 or 15
17	13 and 16
18	exp Adenoma, Islet Cell/
19	exp Carcinoma, Islet Cell/
20	(islet\$ adj3 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
21	18 or 19 or 20
22	10 or 17 or 21
23	Choice Behavior/
24	Decision Making/
25	Decision Support Techniques/
26	(decision\$ or choic\$ or preference\$).tw.
27	23 or 24 or 25 or 26
28	Patient Compliance/
29	Informed Consent/
30	Treatment Refusal/
31	exp Consumer Behavior/
32	exp Consumer Participation/
33	exp Health Education/

#	Searches
34	28 or 29 or 30 or 31 or 32 or 33
35	27 and 34
36	((patient\$ or consumer\$) adj1 (decision\$ or choice\$ or prefer\$ or participat\$)).tw.
37	((personal or interpersonal or individual) adj (decision\$ or choice\$ or prefer\$ or participat\$)).tw.
38	((man or men or woman or women) adj1 (decision\$ or choice\$ or prefer\$ or participat\$)).tw.
39	((family or relative or carer or husband or wife) adj1 (decision\$ or choice\$ or prefer\$ or participat\$)).tw.
40	35 or 36 or 37 or 38 or 39
41	Pamphlets/
42	Cues/
43	*internet/
44	(leaflet\$ or diary or diaries or booklet\$ or guidebook\$ or pamphlet\$ or sheet\$).tw.
45	(cue\$ or prompt\$ or coach\$ or checklist\$ or check list\$ or written or write or question\$ or card\$ or helpcard\$).tw.
46	(video\$ or tape\$ or cd\$ or film\$ or dvd\$ or telephone\$ or phone\$ or computer\$ or internet or electronic).tw.
47	41 or 42 or 43 or 44 or 45 or 46
48	Communication/
49	communicat\$.tw.
50	Patient Education as Topic/
51	((patient\$ or consumer\$) adj3 (educat\$ or skill\$ or teach\$ or train\$ or coach\$)).tw.
52	48 or 49
53	50 or 51
54	52 and 53
55	47 or 54
56	(preconsultation\$ or pre-consultation\$).tw.
57	Office Visits/
58	(office adj3 visit\$).tw.
59	consult\$.tw.
60	(medical adj3 interview\$).tw.
61	waiting room\$.tw.
62	scheduled appointment\$.tw.
63	((prior adj3 visit\$) or previsit\$).tw.
64	"Appointments and Schedules"/
65	56 or 57 or 58 or 59 or 60 or 61 or 62 or 63 or 64
66	55 and 65
67	(information adj3 need\$).tw.
68	information material\$.tw.
69	(patient\$ adj3 information).tw.
70	(information adj3 (electronic\$ or web\$ or print\$)).tw.
71	67 or 68 or 69 or 70
72	66 or 71
73	40 or 72
74	22 and 73
75	Physician-Patient Relations/ or Hospital-Patient Relations/ or Nurse-Patient Relations/ or Professional-Patient Relations/

#	Searches
76	exp Adaptation, Psychological/
77	exp "Religion and Psychology"/
78	(religio* or spirit*).tw.
79	exp Emotions/
80	(emotion\$ or feeling\$).tw.
81	(cope or coping).tw.
82	Patients/
83	Caregivers/
84	Family Relations/
85	exp Psychotherapy/
86	exp Cognitive Therapy/
87	exp Counseling/
88	exp Self-Help Groups/
89	exp Social Support/
90	exp Hotlines/
91	exp Telephone/
92	exp Internet/
93	((hot or help\$ or tele\$) adj line\$).tw.
94	(internet or website\$).tw.
95	((cognit\$ or group\$ or psycho\$) adj (therap\$ or supp\$ or session\$)).tw.
96	((self help\$ or supp\$ or counsel\$) adj (group\$ or session\$)).tw.
97	((unmet or holistic or inform\$ or support\$) adj3 need\$).tw.
98	((psychological or psychosocial or psychotherap\$) adj2 (support or information)).tw.
99	Patient Satisfaction/
100	(patient\$ adj (experience\$ or expectation\$ or satisfaction\$ or perception\$ or attitude\$)).tw.
101	exp Psychology/
102	or/75-101
103	22 and 102
104	74 or 103
105	((patient\$ or wom#n\$ or m#n\$ or famil\$ or partner? or husband\$ or wife\$) adj1 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or instruct\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).ti,ab.
106	22 and 105
107	104 or 106
108	"Continuity of Patient Care"/
109	Survivors/
110	108 or 109
111	22 and 110
112	107 or 111
113	Patient Preference/
114	((patient\$ or treatment\$) adj2 preference\$).tw.
115	113 or 114
116	22 and 115
117	112 or 116
118	limit 117 to yr="1990 -Current"

D.3.2 Database: Embase

Last searched on **OVID Embase** 1974 to 2016 June 06. Date of last search: 6th June 2016.

#	Searches
1	exp pancreas cancer/
2	gastrinoma/
3	glucagonoma/
4	somatostatinoma/
5	insulinoma/
6	vipoma/
7	(pancrea\$ adj4 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).ti,ab.
8	(gastrinoma\$ or glucagonoma\$ or somatostatinoma\$ or insulinoma\$ or vipoma\$ or pancreatoblastoma\$).ti,ab.
9	or/1-8
10	exp acinar cell carcinoma/
11	(acinar adj3 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).ti,ab.
12	10 or 11
13	exp pancreas/
14	(pancreas or pancreatic).ti,ab.
15	13 or 14
16	12 and 15
17	exp pancreas islet cell tumor/
18	(islet\$ adj3 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).ti,ab.
19	17 or 18
20	9 or 19
21	decision making/
22	decision support system/
23	(decision\$ or choic\$ or preference\$).ti,ab.
24	21 or 22 or 23
25	patient compliance/
26	informed consent/
27	treatment refusal/
28	exp consumer attitude/
29	exp consumer/
30	exp health education/
31	25 or 26 or 27 or 28 or 29 or 30
32	24 and 31
33	((patient\$ or consumer\$) adj1 (decision\$ or choice\$ or prefer\$ or participat\$)).ti,ab.
34	((personal or interpersonal or individual) adj (decision\$ or choice\$ or prefer\$ or participat\$)).ti,ab.
35	((man or men or woman or women) adj1 (decision\$ or choice\$ or prefer\$ or participat\$)).ti,ab.
36	((family or relative or carer or husband or wife) adj1 (decision\$ or choice\$ or prefer\$ or participat\$)).ti,ab.
37	32 or 33 or 34 or 35 or 36

#	Searches
38	publication/
39	association/
40	Internet/
41	(leaflet\$ or diary or diaries or booklet\$ or guidebook\$ or pamphlet\$ or sheet\$).ti,ab.
42	(cue\$ or prompt\$ or coach\$ or checklist\$ or check list\$ or written or write or question\$ or card\$ or helpcard\$).ti,ab.
43	(video\$ or tape\$ or cd\$ or film\$ or dvd\$ or telephone\$ or phone\$ or computer\$ or internet or electronic).ti,ab.
44	38 or 39 or 40 or 41 or 42 or 43
45	interpersonal communication/
46	communicat\$.ti,ab.
47	patient education/
48	((patient\$ or consumer\$) adj3 (educat\$ or skill\$ or teach\$ or train\$ or coach\$)).ti,ab.
49	45 or 46
50	47 or 48
51	49 and 50
52	44 or 51
53	(preconsultation\$ or pre-consultation\$ or consult\$).ti,ab.
54	(office adj3 visit\$).ti,ab.
55	(medical adj3 interview\$).ti,ab.
56	waiting room\$.ti,ab.
57	scheduled appointment\$.ti,ab.
58	((prior adj3 visit\$) or previsit\$).ti,ab.
59	hospital management/
60	"Appointments and Schedules"/
61	ambulatory care/
62	53 or 54 or 55 or 56 or 57 or 58 or 59 or 60 or 61
63	52 and 62
64	(information adj3 need\$).ti,ab.
65	information material\$.ti,ab.
66	(patient\$ adj3 information).ti,ab.
67	(information adj3 (electronic\$ or web\$ or print\$)).ti,ab.
68	63 or 64 or 65 or 66 or 67
69	37 or 68
70	20 and 69
71	survivor/
72	((unmet or holistic or inform\$ or support\$) adj3 need\$).ti,ab.
73	doctor patient relation/
74	nurse patient relationship/
75	human relation/
76	adaptive behavior/
77	adjustment/ or adjustment disorder/
78	religion/
79	(religio\$ or spirit\$).ti,ab.
80	emotion/
81	(cope or coping).ti,ab.

#	Searches
82	caregiver/
83	family relation/
84	psychotherapy/
85	psychology/
86	((psychological or psychosocial or psychotherap\$) adj2 (support or information)).ti,ab.
87	cognitive therapy/
88	((cognit\$ or group\$ or psycho\$) adj (therap\$ or supp\$ or session\$)).ti,ab.
89	counseling/
90	self help/
91	social support/
92	((self help\$ or supp\$ or counsel\$) adj (group\$ or session\$)).ti,ab.
93	telephone/
94	Internet/
95	((hot or help\$ or tele\$) adj line\$).ti,ab.
96	(internet or website\$).ti,ab.
97	patient preference/
98	((patient\$ or treatment\$) adj2 preference\$).ti,ab.
99	((patient\$ or wom#n\$ or m#n\$ or famil\$ or partner? or husband\$ or wife\$) adj (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or instruct\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).ti,ab.
100	or/71-99
101	20 and 100
102	70 or 101
103	limit 102 to yr="1990 -Current"

D.3.3 Database: Cochrane Library via Wiley Online

Date of last search: 6th June 2016.

#	Searches
#1	MeSH descriptor: [Pancreatic Neoplasms] explode all trees
#2	MeSH descriptor: [Carcinoma, Pancreatic Ductal] explode all trees
#3	MeSH descriptor: [Gastrinoma] explode all trees
#4	MeSH descriptor: [Glucagonoma] explode all trees
#5	MeSH descriptor: [Somatostatinoma] explode all trees
#6	MeSH descriptor: [Insulinoma] explode all trees
#7	MeSH descriptor: [Vipoma] explode all trees
#8	(pancrea* near/4 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metastas*)):ti,ab,kw (Word variations have been searched)
#9	(gastrinoma* or glucagonoma* or somatostatinoma* or insulinoma* or vipoma* or pancreatoblastoma*):ti,ab,kw (Word variations have been searched)
#10	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9
#11	MeSH descriptor: [Carcinoma, Acinar Cell] explode all trees
#12	(acinar near/3 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metastas*)):ti,ab,kw (Word variations have been searched)
#13	#11 or #12
#14	MeSH descriptor: [Pancreas] explode all trees

#	Searches
#15	pancreas or pancreatic:ti,ab,kw (Word variations have been searched)
#16	#14 or #15
#17	#13 and #16
#18	MeSH descriptor: [Adenoma, Islet Cell] explode all trees
#19	MeSH descriptor: [Carcinoma, Islet Cell] explode all trees
#20	(islet* near/3 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metastas*)):ti,ab,kw (Word variations have been searched)
#21	#10 or #17 or #18 or #19 or #20
#22	MeSH descriptor: [Choice Behavior] this term only
#23	MeSH descriptor: [Decision Making] this term only
#24	MeSH descriptor: [Decision Support Techniques] this term only
#25	(decision* or choic* or preference*):ti,ab,kw (Word variations have been searched)
#26	#22 or #23 or #24 or #25
#27	MeSH descriptor: [Patient Compliance] this term only
#28	MeSH descriptor: [Informed Consent] this term only
#29	MeSH descriptor: [Treatment Refusal] this term only
#30	MeSH descriptor: [Consumer Behavior] explode all trees
#31	MeSH descriptor: [Consumer Participation] explode all trees
#32	MeSH descriptor: [Health Education] explode all trees
#33	#27 or #28 or #29 or #30 or #31 or #32
#34	#26 and #33
#35	((patient* or consumer*) near/1 (decision* or choice* or prefer* or participat*)):ti,ab,kw (Word variations have been searched)
#36	((personal or interpersonal or individual) next (decision* or choice* or prefer* or participat*)):ti,ab,kw (Word variations have been searched)
#37	((man or men or woman or women) near/1 (decision* or choice* or prefer* or participat*)):ti,ab,kw (Word variations have been searched)
#38	((family or relative or carer or husband or wife) near/1 (decision* or choice* or prefer* or participat*)):ti,ab,kw (Word variations have been searched)
#39	#34 or #35 or #36 or #37 or #38
#40	MeSH descriptor: [Pamphlets] this term only
#41	MeSH descriptor: [Cues] this term only
#42	MeSH descriptor: [Internet] this term only
#43	(leaflet* or diary or diaries or booklet* or guidebook* or pamphlet* or sheet*):ti,ab,kw (Word variations have been searched)
#44	(cue* or prompt* or coach* or checklist* or check list* or written or write or question* or card* or helpcard*):ti,ab,kw (Word variations have been searched)
#45	(video* or tape* or cd* or film* or dvd* or telephone* or phone* or computer* or internet or electronic):ti,ab,kw (Word variations have been searched)
#46	#40 or #41 or #42 or #43 or #44 or #45
#47	MeSH descriptor: [Communication] this term only
#48	Communicat*:ti,ab,kw (Word variations have been searched)
#49	MeSH descriptor: [Patient Education as Topic] this term only
#50	((patient* or consumer*) near/3 (educat* or skill* or teach* or train* or coach*)):ti,ab,kw (Word variations have been searched)
#51	#47 or #48
#52	#49 or #50
#53	#51 and #52

#	Searches
#54	#46 or #53
#55	(preconsultation* or pre-consultation*):ti,ab,kw (Word variations have been searched)
#56	MeSH descriptor: [Office Visits] this term only
#57	(office near/3 visit*):ti,ab,kw (Word variations have been searched)
#58	consult*:ti,ab,kw (Word variations have been searched)
#59	(medical near/3 interview*):ti,ab,kw (Word variations have been searched)
#60	waiting room*:ti,ab,kw (Word variations have been searched)
#61	scheduled appointment*:ti,ab,kw (Word variations have been searched)
#62	((prior near/3 visit*) or previsit*):ti,ab,kw (Word variations have been searched)
#63	MeSH descriptor: [Appointments and Schedules] this term only
#64	#55 or #56 or #57 or #58 or #59 or #60 or #61 or #62 or #63
#65	#54 and #64
#66	(information near/3 need*):ti,ab,kw (Word variations have been searched)
#67	information material*:ti,ab,kw (Word variations have been searched)
#68	(patient* near/3 information):ti,ab,kw (Word variations have been searched)
#69	(information near/3 (electronic* or web* or print*)):ti,ab,kw (Word variations have been searched)
#70	#66 or #67 or #68 or #69
#71	#65 or #70
#72	#39 or #71
#73	#21 and #72
#74	((patient* or woman* or women* or man* or men* or famil* or partner* or husband* or wife*) near/1 (information* or educat* or learn* or train* or program* or advice* or advise* or instruct* or teach* or knowledge or understanding or misunderstanding or communicat* or involvement or support* or counsel*)):ti,ab,kw (Word variations have been searched)
#75	#21 and #74
#76	MeSH descriptor: [Physician-Patient Relations] this term only
#77	MeSH descriptor: [Hospital-Patient Relations] this term only
#78	MeSH descriptor: [Nurse-Patient Relations] this term only
#79	MeSH descriptor: [Professional-Patient Relations] this term only
#80	MeSH descriptor: [Adaptation, Psychological] explode all trees
#81	(cope or coping) .tw.:ti,ab,kw (Word variations have been searched)
#82	MeSH descriptor: [Religion and Psychology] explode all trees
#83	(religio* or spirit*):ti,ab,kw (Word variations have been searched)
#84	MeSH descriptor: [Emotions] explode all trees
#85	(emotion* or feeling*):ti,ab,kw (Word variations have been searched)
#86	MeSH descriptor: [Patients] this term only
#87	MeSH descriptor: [Caregivers] this term only
#88	MeSH descriptor: [Family Relations] this term only
#89	MeSH descriptor: [Continuity of Patient Care] this term only
#90	MeSH descriptor: [Survivors] this term only
#91	MeSH descriptor: [Psychotherapy] explode all trees
#92	MeSH descriptor: [Psychology] explode all trees
#93	MeSH descriptor: [Cognitive Therapy] explode all trees
#94	MeSH descriptor: [Counseling] explode all trees
#95	((cognit* or group* or psycho*) near/1 (therap* or supp* or session*)):ti,ab,kw (Word variations have been searched)

#	Searches
#96	((psychological or psychosocial or psychotherap*) near/2 (support or information)):ti,ab,kw (Word variations have been searched)
#97	MeSH descriptor: [Self-Help Groups] explode all trees
#98	MeSH descriptor: [Social Support] explode all trees
#99	((self help* or supp* or counsel*) near/1 (group* or session*)):ti,ab,kw (Word variations have been searched)
#100	MeSH descriptor: [Hotlines] explode all trees
#101	MeSH descriptor: [Telephone] explode all trees
#102	MeSH descriptor: [Internet] explode all trees
#103	((hot or help* or tele* near/1 line*):ti,ab,kw (Word variations have been searched)
#104	(internet or website*):ti,ab,kw (Word variations have been searched)
#105	MeSH descriptor: [Patient Satisfaction] this term only
#106	(patient* near/1 (experience* or expectation* or satisfaction* or perception* or attitude*)):ti,ab,kw (Word variations have been searched)
#107	MeSH descriptor: [Patient Preference] this term only
#108	((patient* or treatment*) near/2 preference*):ti,ab,kw (Word variations have been searched)
#109	((unmet or holistic or inform* or support*) near/3 need*):ti,ab,kw (Word variations have been searched)
#110	#76 or #77 or #78 or #79 or #80 or #81 or #82 or #83 or #84 or #85 or #86 or #87 or #88 or #89 or #90 or #91 or #92 or #93 or #94 or #95 or #96 or #97 or #98 or #99 or #100 or #101 or #102 or #103 or #104 or #105 or #106 or #107 or #108 or #109
#111	#21 and #110
#112	#73 or #75 or #111

D.3.4 Database: Web of Science Core Collection

Timespan=1990-2017. Date of last search: 15th June 2016.

#	Searches
#16	#15 AND #7
#15	#14 OR #13 OR #12 OR #11 OR #10 OR #9 OR #8
#14	TS=((patient* or woman* or women* or man* or men* or famil* or partner* or husband* or wife*) NEAR/1 (information* or educat* or learn* or train* or program* or advice* or advise* or instruct* or teach* or knowledge or understanding or misunderstanding or communicat* or involvement or support* or counsel*))
#13	TS=((patient* or consumer* or personal or interpersonal or individual) NEAR/2 (decision* or choice or preference or participation))
#12	TS=(decision* NEAR/2 (aid* or support* or making))
#11	TS=(pamphlet* or video* or dvd* or audiovisual or internet or website)
#10	TS=((self-help or support*) NEAR/2 (group* or meet*))
#9	TS=((psychological or psychosocial or psychotherapy*) NEAR/2 (support or information))
#8	TS=((unmet or holistic or inform* or support*) NEAR/2 need*)
#7	#6 OR #5 OR #2 OR #1
#6	TS=(islet* NEAR/5 (neoplasm* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*))
#5	#4 AND #3
#4	TS=(pancreas or pancreatic)
#3	TS=(acinar NEAR/5 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*))
#2	TS=(gastrinoma* or glucagonoma* or somatostatinoma* or insulinoma* or vipoma* or

#	Searches
	pancreatoblastoma*)
#1	TS=(pancrea* NEAR/5 (neoplasm* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*))

D.3.5 Database: AMED

Last searched on **OID AMED (Allied and Complementary Medicine) 1985 to present.**
 Date of last search: 6th June 2016.

#	Searches
1	exp Pancreatic neoplasms/
2	(pancrea\$ adj4 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
3	1 or 2
4	((unmet or holistic or inform\$ or support\$) adj3 need\$).tw.
5	((psychological or psychosocial or psychotherap\$) adj2 (support or information)).tw.
6	((patient\$ or wom#n\$ or m#n\$ or famil\$ or partner? or husband\$ or wife\$) adj1 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or instruct\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).ti,ab.
7	exp Psychotherapy/
8	exp Emotions/
9	exp Spirituality/
10	exp Adaptation psychological/
11	exp Communication/
12	exp Psychology/
13	exp Decision making/
14	or/4-13
15	3 and 14
16	limit 15 to yr="1990-Current"

D.3.6 Database: PsycINFO

Last searched on **OID PsycINFO 1806 to present.** Date of last search: 6th June 2016.

#	Searches
1	exp Neoplasms/
2	exp PANCREAS/
3	1 and 2
4	(pancrea\$ adj4 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
5	3 or 4
6	((unmet or holistic or inform\$ or support\$) adj3 need\$).tw.
7	((psychological or psychosocial or psychotherap\$) adj2 (support or information)).tw.
8	((patient\$ or wom#n\$ or m#n\$ or famil\$ or partner? or husband\$ or wife\$) adj1 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or instruct\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).ti,ab.
9	exp therapeutic processes/
10	exp emotions/
11	exp Emotional Disturbances/

#	Searches
12	exp spirituality/
13	exp coping behavior/
14	exp disease course/
15	exp communication skills/
16	exp communication/
17	exp psychosocial readjustment/
18	exp ADJUSTMENT/
19	exp PSYCHOPATHOLOGY/
20	exp Psychoanalytic Theory/
21	exp Health Care Psychology/
22	or/6-21
23	5 and 22
24	limit 23 to yr="1990-Current"

D.4 Pain

What is the role of interventional techniques (e.g. sympathectomy or neurolytic techniques) in the management of pain in adults with newly diagnosed or recurrent pancreatic ductal adenocarcinoma?

D.4.1 Database: Medline

Last searched on **Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present**. Date of last search: 18th April 2017.

#	Searches
1	exp Pancreatic Neoplasms/
2	exp Carcinoma, Pancreatic Ductal/
3	exp Gastrinoma/
4	exp Glucagonoma/
5	exp Somatostatinoma/
6	exp Insulinoma/
7	exp Vipoma/
8	(pancrea\$ adj4 (neoplas\$ or cancer\$ or tumor?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
9	(gastrinoma\$ or glucagonoma\$ or somatostatinoma\$ or insulinoma\$ or vipoma\$ or pancreatoblastoma\$).tw.
10	1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9
11	exp Carcinoma, Acinar Cell/
12	(acinar adj3 (neoplas\$ or cancer\$ or tumor?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
13	11 or 12
14	exp Pancreas/
15	(pancreas or pancreatic).tw.
16	14 or 15
17	13 and 16
18	exp Adenoma, Islet Cell/

#	Searches
19	exp Carcinoma, Islet Cell/
20	(islet\$ adj3 (neoplas\$ or cancer\$ or tumor?\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
21	18 or 19 or 20
22	10 or 17 or 21
23	exp Nerve Block/
24	((nerve\$ or neuroly\$) adj4 (block\$ or ablat\$)).tw.
25	((celiac or plexus or coeliac or gangli\$ or hypogastric) adj4 (block\$ or ablat\$ or neuroly\$)).tw.
26	(sympathe\$ adj4 (block\$ or ablat\$ or neuroly\$)).tw.
27	Splanchnic Nerves/su [Surgery]
28	Celiac Plexus/su [Surgery]
29	exp Ganglia/su [Surgery]
30	Hypogastric Plexus/su [Surgery]
31	(sympathectom\$ or sympathsplachn\$ or splanchnicotom\$ or splanchniectom\$ or splanchnectom\$ or splanchnicotom\$ or splanchiectom\$ or splanchniectom\$ or splanchnotom\$).tw.
32	exp Sympathectomy/
33	or/23-32
34	22 and 33
35	limit 34 to yr="1966 -Current"

D.4.2 Database: Embase

Last searched on **OID Embase** 1974 to 2017 April 17. Date of last search: 18th April 2017.

#	Searches
1	exp pancreas cancer/
2	gastrinoma/
3	glucagonoma/
4	somatostatinoma/
5	insulinoma/
6	vipoma/
7	(pancrea\$ adj4 (neoplas\$ or cancer\$ or tumor?\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).ti,ab.
8	(gastrinoma\$ or glucagonoma\$ or somatostatinoma\$ or insulinoma\$ or vipoma\$ or pancreatoblastoma\$).ti,ab.
9	1 or 2 or 3 or 4 or 5 or 6 or 7 or 8
10	exp acinar cell carcinoma/
11	(acinar adj3 (neoplas\$ or cancer\$ or tumor?\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).ti,ab.
12	10 or 11
13	exp pancreas/
14	(pancreas or pancreatic).ti,ab.
15	13 or 14
16	12 and 15
17	exp pancreas islet cell tumor/
18	(islet\$ adj3 (neoplas\$ or cancer\$ or tumor?\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).ti,ab.

#	Searches
19	17 or 18
20	9 or 16 or 19
21	exp nerve block/
22	((nerve\$ or neuroly\$) adj4 (block\$ or ablat\$)).ti,ab.
23	((celiac or plexus or coeliac or gangli\$ or hypogastric) adj4 (block\$ or ablat\$ or neuroly\$)).ti,ab.
24	(sympathe\$ adj4 (block\$ or ablat\$ or neuroly\$)).ti,ab.
25	splanchnic nerve/su [Surgery]
26	celiac plexus/su [Surgery]
27	ganglion/su [Surgery]
28	hypogastric plexus/su [Surgery]
29	exp sympathectomy/
30	(sympathectom\$ or sympathsplachn\$ or splanchnicotom\$ or splanchniectom\$ or splanchnectom\$ or splanchnecotom\$ or splanchniectom\$ or splanchnicectom\$ or splanchnotom\$).ti,ab.
31	or/21-30
32	20 and 31
33	limit 32 to yr="1966 -Current"

D.4.3 Database: Cochrane Library via Wiley Online

Date of last search: 18th April 2017.

#	Searches
#1	MeSH descriptor: [Pancreatic Neoplasms] explode all trees
#2	MeSH descriptor: [Carcinoma, Pancreatic Ductal] explode all trees
#3	MeSH descriptor: [Gastrinoma] explode all trees
#4	MeSH descriptor: [Glucagonoma] explode all trees
#5	MeSH descriptor: [Somatostatinoma] explode all trees
#6	MeSH descriptor: [Insulinoma] explode all trees
#7	MeSH descriptor: [Vipoma] explode all trees
#8	(pancrea* near/4 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*)):ti,ab,kw (Word variations have been searched)
#9	(gastrinoma* or glucagonoma* or somatostatinoma* or insulinoma* or vipoma* or pancreatoblastoma*):ti,ab,kw (Word variations have been searched)
#10	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9
#11	MeSH descriptor: [Carcinoma, Acinar Cell] explode all trees
#12	(acinar near/3 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*)):ti,ab,kw (Word variations have been searched)
#13	#11 or #12
#14	MeSH descriptor: [Pancreas] explode all trees
#15	pancreas or pancreatic:ti,ab,kw (Word variations have been searched)
#16	#14 or #15
#17	#13 and #16
#18	MeSH descriptor: [Adenoma, Islet Cell] explode all trees
#19	MeSH descriptor: [Carcinoma, Islet Cell] explode all trees
#20	(islet* near/3 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*)):ti,ab,kw (Word variations have been searched)
#21	#10 or #17 or #18 or #19 or #20

#	Searches
#22	MeSH descriptor: [Nerve Block] explode all trees
#23	MeSH descriptor: [Sympathectomy] explode all trees
#24	((celiac or plexus or coeliac or gangli* or hypogastric) near/4 (block* or ablat* or neuroly*)):ti,ab,kw (Word variations have been searched)
#25	(sympathe* near/4 (block* or ablat* or neuroly*)):ti,ab,kw (Word variations have been searched)
#26	(sympathectom* or sympathsplanchn* or splanchnicotom* or splanchniectom* or splanchnectom* or splanchnecotom* or splanchniectom* or splanchniectom* or splanchniectom* or splanchniectom*):ti,ab,kw (Word variations have been searched)
#27	((nerve* or neuroly*) near/4 (block* or ablat*)):ti,ab,kw (Word variations have been searched)
#28	MeSH descriptor: [Splanchnic Nerves] explode all trees and with qualifier(s): [Surgery - SU]
#29	MeSH descriptor: [Celiac Plexus] explode all trees and with qualifier(s): [Surgery - SU]
#30	MeSH descriptor: [Ganglia] explode all trees
#31	MeSH descriptor: [Hypogastric Plexus] explode all trees and with qualifier(s): [Surgery - SU]
#32	#22 or #23 or #24 or #25 or #26 or #27 or #28 or #29 or #30 or #31
#33	#21 and #32

D.4.4 Database: Web of Science Core Collection

Timespan=1966-2017. Last searched on present.

#	Searches
# 13	#12 AND #5
# 12	#11 OR #10 OR #7 OR #6
# 11	TS=(islet* NEAR/5 (neoplasm* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*))
# 10	#9 AND #8
# 9	TS=(pancreas or pancreatic)
# 8	TS=(acinar NEAR/5 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*))
# 7	TS=(gastrinoma* or glucagonoma* or somatostatinoma* or insulinoma* or vipoma* or pancreatoblastoma*)
# 6	TS=(pancrea* NEAR/5 (neoplasm* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*))
# 5	#4 OR #3 OR #2 OR #1
# 4	TS=(sympathectom* or sympathsplanchn* or splanchnicotom* or splanchniectom* or splanchnectom* or splanchnecotom* or splanchniectom* or splanchniectom* or splanchniectom* or splanchniectom*):ti,ab,kw (Word variations have been searched)
# 3	TS=(sympathe* NEAR/5 (block* or ablat* or neuroly*))
# 2	TS=((celiac or plexus or coeliac or gangli* or hypogastric) NEAR/5 (block* or ablat* or neuroly*))
# 1	TS=((nerve* or neuroly*) NEAR/5 (block* or ablat*))

D.5 Nutritional Interventions

What nutritional interventions (e.g. pancreatic enzyme replacement therapy, oral nutritional supplements, dietary manipulation, omega 3 fatty acids) are effective for patients with newly diagnosed or recurrent pancreatic cancer?

D.5.1 Database: Medline

Last searched on **Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present**. Date of last search: 18th April 2017.

#	Searches
1	exp Pancreatic Neoplasms/
2	exp Carcinoma, Pancreatic Ductal/
3	exp Gastrinoma/
4	exp Glucagonoma/
5	exp Somatostatinoma/
6	exp Insulinoma/
7	exp Vipoma/
8	(pancrea\$ adj4 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
9	(gastrinoma\$ or glucagonoma\$ or somatostatinoma\$ or insulinoma\$ or vipoma\$ or pancreatoblastoma\$).tw.
10	1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9
11	exp Carcinoma, Acinar Cell/
12	(acinar adj3 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
13	11 or 12
14	exp Pancreas/
15	(pancreas or pancreatic).tw.
16	14 or 15
17	13 and 16
18	exp Adenoma, Islet Cell/
19	exp Carcinoma, Islet Cell/
20	(islet\$ adj3 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
21	18 or 19 or 20
22	10 or 17 or 21
23	exp Enzyme Replacement Therapy/
24	(enzyme\$ adj replacement\$).tw.
25	(enzyme\$ adj2 (therap\$ or treatment\$ or supplement\$ or support\$)).tw.
26	PERT.tw.
27	Pancrelipase/
28	Pancreatin/
29	(Nutrizym or pancreatin or Pankreon or Creon or pancrelipase).tw.
30	or/23-29
31	22 and 30
32	Proton Pump Inhibitors/
33	proton pump inhibitor\$.tw.
34	PPI.tw.
35	32 or 33 or 34
36	22 and 35
37	exp Fish Oils/
38	exp Fatty Acids, Omega-3/

#	Searches
39	Docosahexaenoic Acids/
40	Eicosapentaenoic Acid/
41	(Eicosapentaenoic or Docosahexaenoic or DHA or EPA or maxEPA).tw.
42	(omega-3 or omega3).tw.
43	(fatty adj acid\$).tw.
44	(fish adj oil\$).tw.
45	or/37-44
46	22 and 45
47	exp Enteral Nutrition/
48	exp Parenteral Nutrition/
49	((enteral or parenteral) adj3 (feed\$ or nutrition\$ or immunonutrition\$ or tube\$)).tw.
50	(TPN or PN).tw.
51	exp Gastrostomy/
52	(gastrostom\$ or PEG or RIG or PPEG).tw.
53	((nasogastric or nasogastric or nasojejunal or jejunal or nasoduodenal or NG) adj3 (feed\$ or nutrition\$ or immunonutrition\$ or tube\$)).tw.
54	(artificial adj3 (feed\$ or nutrition\$ or immunonutrition\$)).tw.
55	(tube adj3 feed\$).tw.
56	(oral adj3 (feed\$ or nutrition\$ or immunonutrition\$ or tube\$)).tw.
57	or/47-56
58	22 and 57
59	Nutritionists/
60	dietician.tw.
61	59 or 60
62	22 and 61
63	exp Nutritional Support/
64	((nutrition\$ or diet\$) adj2 (supplement\$ or support\$ or therap\$ or manage\$ or intervent\$)).tw.
65	((nutrition\$ or diet\$) adj (manipulate\$ or modif\$ or advice or input)).tw.
66	Feeding Methods/
67	(food adj (preparation\$ or replacement\$)).tw.
68	or/63-67
69	22 and 68
70	Exocrine Pancreatic Insufficiency/
71	((pancreatic or exocrine or endocrine) adj insufficiency).tw.
72	(PEI or EPI).tw.
73	or/70-72
74	22 and 73
75	Sarcopenia/
76	Cachexia/
77	(sarcopenia or cachexia).tw.
78	(nutritional adj status).tw.
79	((diet\$ or nutrition\$) adj intake).tw.
80	(diet\$ adj2 assessment\$).tw.
81	(diet\$ adj counsel\$).tw.
82	or/75-81

#	Searches
83	22 and 82
84	((glycaemic or blood glucose or blood sugar or diabet\$) adj3 (control or manage\$)).tw.
85	(pancreatogenic adj diabet\$).tw.
86	((type 3c or 3c) adj diabet\$).tw.
87	84 or 85 or 86
88	22 and 87
89	31 or 36 or 46 or 58 or 62 or 69 or 74 or 83 or 88
90	limit 89 to yr="1995 -Current"

D.5.2 Database: Embase

Last searched on **OID Embase** 1974 to 2017 April 17. Date of last search: 18th April 2017.

#	Searches
1	exp pancreas cancer/
2	gastrinoma/
3	glucagonoma/
4	somatostatinoma/
5	insulinoma/
6	vipoma/
7	(pancrea\$ adj4 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).ti,ab.
8	(gastrinoma\$ or glucagonoma\$ or somatostatinoma\$ or insulinoma\$ or vipoma\$ or pancreatoblastoma\$).ti,ab.
9	or/1-8
10	exp acinar cell carcinoma/
11	(acinar adj3 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).ti,ab.
12	10 or 11
13	exp pancreas/
14	(pancreas or pancreatic).ti,ab.
15	13 or 14
16	12 and 15
17	exp pancreas islet cell tumor/
18	(islet\$ adj3 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).ti,ab.
19	17 or 18
20	9 or 19
21	enzyme replacement/
22	(enzyme\$ adj replacement\$).ti,ab.
23	(enzyme\$ adj2 (therap\$ or treatment\$ or supplement\$ or support\$)).ti,ab.
24	PERT.ti,ab.
25	pancrelipase/
26	pancreatin/
27	(Nutrizym or pancreatin or Pankreon or Creon or pancrelipase).ti,ab.
28	proton pump inhibitor/
29	proton pump inhibitor\$.ti,ab.
30	PPI.ti,ab.

#	Searches
31	fish oil/
32	omega 3 fatty acid/
33	docosahexaenoic acid/
34	icosapentaenoic acid/
35	(Eicosapentaenoic or Docosahexaenoic or DHA or EPA or maxEPA).ti,ab.
36	(omega-3 or omega3).ti,ab.
37	(fish adj oil\$).ti,ab.
38	enteric feeding/
39	parenteral nutrition/
40	((enteral or parenteral) adj3 (feed\$ or nutrition\$ or immunonutrition\$ or tube\$)).ti,ab.
41	(TPN or PN).ti,ab.
42	exp gastrostomy/
43	percutaneous endoscopic gastrostomy/
44	(gastrostom* or PEG or RIG or PPEG).ti,ab.
45	((nasogastric or nasogastric or nasojejunal or jejunal or nasoduodenal or NG) adj3 (feed\$ or nutrition\$ or immunonutrition\$ or tube\$)).ti,ab.
46	(artificial adj3 (feed\$ or nutrition\$ or immunonutrition\$)).ti,ab.
47	(tube adj3 feed\$).ti,ab.
48	(oral adj3 (feed\$ or nutrition\$ or immunonutrition\$ or tube\$)).ti,ab.
49	dietitian/
50	dietician.ti,ab.
51	nutritional support/
52	((nutrition\$ or diet\$) adj2 (supplement\$ or support\$ or therap\$ or manage\$ or intervent\$)).ti,ab.
53	((nutrition\$ or diet\$) adj (manipulate\$ or modif\$ or advice or input)).ti,ab.
54	food intake/
55	(food adj (preparation\$ or replacement\$)).ti,ab.
56	pancreas exocrine insufficiency/
57	((pancreatic or exocrine or endocrine) adj insufficiency).ti,ab.
58	(PEI or EPI).ti,ab.
59	sarcopenia/
60	cachexia/
61	(sarcopenia or cachexia).ti,ab.
62	(nutritional adj status).ti,ab.
63	((diet\$ or nutrition\$) adj intake).ti,ab.
64	(diet\$ adj2 assessment\$).ti,ab.
65	(diet\$ adj counsel\$).ti,ab.
66	((glycaemic or blood glucose or blood sugar or diabet\$) adj3 (control or manage\$)).ti,ab.
67	(pancreatogenic adj diabet\$).ti,ab.
68	((type 3c or 3c) adj diabet\$).ti,ab.
69	or/21-68
70	20 and 69
71	limit 70 to yr="1995 -Current"

D.5.3 Database: Cochrane Library via Wiley Online

Date of last search: 18th April 2017.

#	Searches
#1	MeSH descriptor: [Pancreatic Neoplasms] explode all trees
#2	MeSH descriptor: [Carcinoma, Pancreatic Ductal] explode all trees
#3	MeSH descriptor: [Gastrinoma] explode all trees
#4	MeSH descriptor: [Glucagonoma] explode all trees
#5	MeSH descriptor: [Somatostatinoma] explode all trees
#6	MeSH descriptor: [Insulinoma] explode all trees
#7	MeSH descriptor: [Vipoma] explode all trees
#8	(pancrea* near/4 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*)):ti,ab,kw (Word variations have been searched)
#9	(gastrinoma* or glucagonoma* or somatostatinoma* or insulinoma* or vipoma* or pancreatoblastoma*):ti,ab,kw (Word variations have been searched)
#10	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9
#11	MeSH descriptor: [Carcinoma, Acinar Cell] explode all trees
#12	(acinar near/3 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*)):ti,ab,kw (Word variations have been searched)
#13	#11 or #12
#14	MeSH descriptor: [Pancreas] explode all trees
#15	pancreas or pancreatic:ti,ab,kw (Word variations have been searched)
#16	#14 or #15
#17	#13 and #16
#18	MeSH descriptor: [Adenoma, Islet Cell] explode all trees
#19	MeSH descriptor: [Carcinoma, Islet Cell] explode all trees
#20	(islet* near/3 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*)):ti,ab,kw (Word variations have been searched)
#21	#10 or #17 or #18 or #19 or #20
#22	MeSH descriptor: [Enzyme Replacement Therapy] explode all trees
#23	(enzyme* next replacement*):ti,ab,kw (Word variations have been searched)
#24	(enzyme* near/2 (therap* or treatment* or supplement* or support*)):ti,ab,kw (Word variations have been searched)
#25	PERT:ti,ab,kw (Word variations have been searched)
#26	MeSH descriptor: [Pancrelipase] explode all trees
#27	MeSH descriptor: [Pancreatin] explode all trees
#28	(Nutrizym or pancreatin or Pankreon or Creon or pancrelipase):ti,ab,kw (Word variations have been searched)
#29	MeSH descriptor: [Proton Pump Inhibitors] explode all trees
#30	proton pump inhibitor*:ti,ab,kw (Word variations have been searched)
#31	"PPI":ti,ab,kw (Word variations have been searched)
#32	MeSH descriptor: [Fish Oils] explode all trees
#33	MeSH descriptor: [Fatty Acids, Omega-3] explode all trees
#34	MeSH descriptor: [Docosahexaenoic Acids] explode all trees
#35	MeSH descriptor: [Eicosapentaenoic Acid] explode all trees
#36	(Eicosapentaenoic or Docosahexaenoic or DHA or EPA or maxEPA):ti,ab,kw (Word variations have been searched)
#37	(omega-3 or omega3):ti,ab,kw (Word variations have been searched)
#38	(fatty next acid*):ti,ab,kw (Word variations have been searched)

#	Searches
#39	fish next oil*:ti,ab,kw (Word variations have been searched)
#40	MeSH descriptor: [Enteral Nutrition] explode all trees
#41	MeSH descriptor: [Parenteral Nutrition] explode all trees
#42	((enteral or parenteral) near/3 (feed* or nutrition* or immunonutrition* or tube*)):ti,ab,kw (Word variations have been searched)
#43	(TPN or PN):ti,ab,kw (Word variations have been searched)
#44	MeSH descriptor: [Gastrostomy] explode all trees
#45	(gastrostom* or PEG or RIG or PPEG):ti,ab,kw (Word variations have been searched)
#46	((nasogastric or nasogastric or nasojejunal or jejunal or nasoduodenal or NG) near/3 (feed* or nutrition* or immunonutrition* or tube*)):ti,ab,kw (Word variations have been searched)
#47	(artificial near/3 (feed* or nutrition* or immunonutrition*)):ti,ab,kw (Word variations have been searched)
#48	(tube near/3 feed*):ti,ab,kw (Word variations have been searched)
#49	(oral near/3 (feed* or nutrition* or immunonutrition* or tube*)):ti,ab,kw (Word variations have been searched)
#50	MeSH descriptor: [Nutritionists] explode all trees
#51	"dietician":ti,ab,kw (Word variations have been searched)
#52	MeSH descriptor: [Nutritional Support] explode all trees
#53	((nutrition* or diet*) near/2 (supplement* or support* or therap* or manage* or intervent*)):ti,ab,kw (Word variations have been searched)
#54	((nutrition* or diet*) next (manipulate* or modif* or advice or input)):ti,ab,kw (Word variations have been searched)
#55	MeSH descriptor: [Feeding Methods] explode all trees
#56	(food next (preparation* or replacement*)):ti,ab,kw (Word variations have been searched)
#57	MeSH descriptor: [Exocrine Pancreatic Insufficiency] explode all trees
#58	((pancreatic or exocrine or endocrine) next insufficiency):ti,ab,kw (Word variations have been searched)
#59	PEI or EPI:ti,ab,kw (Word variations have been searched)
#60	MeSH descriptor: [Sarcopenia] explode all trees
#61	MeSH descriptor: [Cachexia] explode all trees
#62	(sarcopenia or cachexia):ti,ab,kw (Word variations have been searched)
#63	(nutritional next status):ti,ab,kw (Word variations have been searched)
#64	((diet* or nutrition*) next intake):ti,ab,kw (Word variations have been searched)
#65	(diet* near/2 assessment*):ti,ab,kw (Word variations have been searched)
#66	(diet* next counsel*):ti,ab,kw (Word variations have been searched)
#67	((glycaemic or blood glucose or blood sugar or diabet*) near/3 (control or manage*)):ti,ab,kw (Word variations have been searched)
#68	(pancreatogenic next diabet*):ti,ab,kw (Word variations have been searched)
#69	((type 3c or 3c) next diabet*):ti,ab,kw (Word variations have been searched)
#70	#22 or #23 or #24 or #25 or #26 or #27 or #28 or #29 or #30 or #31 or #32 or #33 or #34 or #35 or #36 or #37 or #38 or #39 or #40 or #41 or #42 or #43 or #44 or #45 or #46 or #47 or #48 or #49 or #50 or #51 or #52 or #53 or #54 or #55 or #56 or #57 or #58 or #59 or #60 or #61 or #62 or #63 or #64 or #65 or #66 or #67 or #68 or #69
#71	#21 and #70

D.5.4 Database: AMED

Last searched on **OID AMED (Allied and Complementary Medicine) 1985 to present.**
 Date of last search: 18th April 2017.

#	Searches
1	exp Pancreatic neoplasms/
2	(pancrea\$ adj4 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
3	1 or 2
4	(enzyme\$ adj replacement\$).ti,ab.
5	(enzyme\$ adj2 (therap\$ or treatment\$ or supplement\$ or support\$)).ti,ab.
6	PERT.ti,ab.
7	(Nutrizym or pancreatin or Pankreon or Creon or pancrelipase).ti,ab.
8	proton pump inhibitor\$.ti,ab.
9	PPI.ti,ab.
10	(Eicosapentaenoic or Docosahexaenoic or DHA or EPA or maxEPA).ti,ab.
11	(omega-3 or omega3).ti,ab.
12	(fish adj oil\$).ti,ab.
13	((enteral or parenteral) adj3 (feed\$ or nutrition\$ or immunonutrition\$ or tube\$)).ti,ab.
14	(TPN or PN).ti,ab.
15	(gastrostom* or PEG or RIG or PPEG).ti,ab.
16	((nasogastric or nasogastric or nasogastric or jejunal or nasoduodenal or NG) adj3 (feed\$ or nutrition\$ or immunonutrition\$ or tube\$)).ti,ab.
17	(artificial adj3 (feed\$ or nutrition\$ or immunonutrition\$)).ti,ab.
18	(tube adj3 feed\$).ti,ab.
19	(oral adj3 (feed\$ or nutrition\$ or immunonutrition\$ or tube\$)).ti,ab.
20	dietician.ti,ab.
21	((nutrition\$ or diet\$) adj2 (supplement\$ or support\$ or therap\$ or manage\$ or intervent\$)).ti,ab.
22	((nutrition\$ or diet\$) adj (manipulate\$ or modif\$ or advice or input)).ti,ab.
23	(food adj (preparation\$ or replacement\$)).ti,ab.
24	((pancreatic or exocrine or endocrine) adj insufficiency).ti,ab.
25	(PEI or EPI).ti,ab.
26	(sarcopenia or cachexia).ti,ab.
27	(nutritional adj status).ti,ab.
28	((diet\$ or nutrition\$) adj intake).ti,ab.
29	(diet\$ adj2 assessment\$).ti,ab.
30	(diet\$ adj counsel\$).ti,ab.
31	((glycaemic or blood glucose or blood sugar or diabet\$) adj3 (control or manage\$)).ti,ab.
32	(pancreatogenic adj diabet\$).ti,ab.
33	((type 3c or 3c) adj diabet\$).ti,ab.
34	or/4-33
35	3 and 34
36	limit 35 to yr="1995 -Current"

D.5.5 Database: PsycINFO

Last searched on **OID Psycinfo 1806 to present**. Date of last search: 18th April 2017.

#	Searches
1	exp Neoplasms/
2	exp PANCREAS/
3	1 and 2

#	Searches
4	(pancrea\$ adj4 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
5	3 or 4
6	(enzyme\$ adj replacement\$).ti,ab.
7	(enzyme\$ adj2 (therap\$ or treatment\$ or supplement\$ or support\$)).ti,ab.
8	PERT.ti,ab.
9	(Nutrizym or pancreatin or Pankreon or Creon or pancrelipase).ti,ab.
10	proton pump inhibitor\$.ti,ab.
11	PPI.ti,ab.
12	(Eicosapentaenoic or Docosahexaenoic or DHA or EPA or maxEPA).ti,ab.
13	(omega-3 or omega3).ti,ab.
14	(fish adj oil\$).ti,ab.
15	((enteral or parenteral) adj3 (feed\$ or nutrition\$ or immunonutrition\$ or tube\$)).ti,ab.
16	(TPN or PN).ti,ab.
17	(gastrostom* or PEG or RIG or PPEG).ti,ab.
18	((nasogastric or nasogastric or nasojejunal or jejunal or nasoduodenal or NG) adj3 (feed\$ or nutrition\$ or immunonutrition\$ or tube\$)).ti,ab.
19	(artificial adj3 (feed\$ or nutrition\$ or immunonutrition\$)).ti,ab.
20	(tube adj3 feed\$).ti,ab.
21	(oral adj3 (feed\$ or nutrition\$ or immunonutrition\$ or tube\$)).ti,ab.
22	dietician.ti,ab.
23	((nutrition\$ or diet\$) adj2 (supplement\$ or support\$ or therap\$ or manage\$ or intervent\$)).ti,ab.
24	((nutrition\$ or diet\$) adj (manipulate\$ or modif\$ or advice or input)).ti,ab.
25	(food adj (preparation\$ or replacement\$)).ti,ab.
26	((pancreatic or exocrine or endocrine) adj insufficiency).ti,ab.
27	(PEI or EPI).ti,ab.
28	(sarcopenia or cachexia).ti,ab.
29	(nutritional adj status).ti,ab.
30	((diet\$ or nutrition\$) adj intake).ti,ab.
31	(diet\$ adj2 assessment\$).ti,ab.
32	(diet\$ adj counsel\$).ti,ab.
33	((glycaemic or blood glucose or blood sugar or diabet\$) adj3 (control or manage\$)).ti,ab.
34	(pancreatogenic adj diabet\$).ti,ab.
35	((type 3c or 3c) adj diabet\$).ti,ab.
36	or/6-35
37	5 and 36
38	limit 37 to yr="1995 -Current"

D.6 Biliary obstruction

What is the optimal treatment of biliary obstruction in adults with newly diagnosed or recurrent pancreatic cancer?

D.6.1 Database: Medline

Last searched on **Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present**. Date of last search: 18th April 2017.

#	Searches
1	exp Pancreatic Neoplasms/
2	exp Carcinoma, Pancreatic Ductal/
3	exp Gastrinoma/
4	exp Glucagonoma/
5	exp Somatostatinoma/
6	exp Insulinoma/
7	exp Vipoma/
8	(pancrea\$ adj4 (neoplas\$ or cancer\$ or tumor?\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
9	(gastrinoma\$ or glucagonoma\$ or somatostatinoma\$ or insulinoma\$ or vipoma\$ or pancreatoblastoma\$).tw.
10	1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9
11	exp Carcinoma, Acinar Cell/
12	(acinar adj3 (neoplas\$ or cancer\$ or tumor?\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
13	11 or 12
14	exp Pancreas/
15	(pancreas or pancreatic).tw.
16	14 or 15
17	13 and 16
18	exp Adenoma, Islet Cell/
19	exp Carcinoma, Islet Cell/
20	(islet\$ adj3 (neoplas\$ or cancer\$ or tumor?\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
21	18 or 19 or 20
22	10 or 17 or 21
23	exp Stents/
24	stent\$.tw.
25	exp Biliary Tract Surgical Procedures/
26	(biliary adj4 bypass\$).tw.
27	("bile duct" adj4 bypass\$).tw.
28	*Drainage/
29	(biliary adj4 drain\$).tw.
30	("bile duct" adj4 drain\$).tw.
31	(PBD or PEBD).tw.
32	23 or 24 or 25 or 26 or 27 or 28 or 29 or 30 or 31
33	exp Cholestasis/
34	exp Jaundice, Obstructive/
35	exp Cholangitis/
36	(cholestasis or cholangitis).tw.
37	(obstructive adj jaundice).tw.
38	(biliary adj4 (stenos\$ or obstruct\$ or stricture\$)).tw.

#	Searches
39	("bile duct" adj4 (stenos\$ or obstruct\$ or stricture\$)).tw.
40	33 or 34 or 35 or 36 or 37 or 38 or 39
41	22 and 40
42	(biliary adj4 stent\$).tw.
43	exp Choledochostomy/
44	(choledochoduodenostom\$ or choledochojejunostom\$ or choledochostom\$ or choledojejunostom\$ or cholecystojejunostom\$ or hepaticocholecystojejunostom\$ or hepaticojejunostom\$).tw.
45	42 or 43 or 44
46	22 and 45
47	32 and 41
48	46 or 47
49	32 and 40
50	23 or 24
51	28 or 29 or 30 or 31
52	50 and 51
53	49 or 52
54	limit 53 to systematic reviews using methodological filters
55	48 or 54
56	limit 55 to yr="1995 -Current"

D.6.2 Database: Embase

Last searched on **OID Embase** 1974 to 2017 April 17. Date of last search: 18th April 2017.

#	Searches
1	exp cholestasis/
2	exp obstructive jaundice/
3	exp cholangitis/
4	(cholestasis or cholangitis).tw.
5	(obstructive adj jaundice).tw.
6	(biliary adj4 (stenos\$ or obstruct\$ or stricture\$)).tw.
7	("bile duct" adj4 (stenos\$ or obstruct\$ or stricture\$)).tw.
8	1 or 2 or 3 or 4 or 5 or 6 or 7
9	exp bile duct bypass/
10	(choledochoduodenostom\$ or choledochojejunostom\$ or choledochostom\$ or choledojejunostom\$ or cholecystojejunostom\$ or hepaticocholecystojejunostom\$ or hepaticojejunostom\$).tw.
11	9 or 10
12	exp pancreas cancer/
13	gastrinoma/
14	glucagonoma/
15	somatostatinoma/
16	insulinoma/
17	vipoma/
18	(pancrea\$ adj4 (neoplas\$ or cancer\$ or tumor\$ or carcinoma\$ or malignan\$ or adeno\$ or metastas\$)).ti,ab.
19	(gastrinoma\$ or glucagonoma\$ or somatostatinoma\$ or insulinoma\$ or vipoma\$ or

#	Searches
	pancreatoblastoma\$.ti,ab.
20	or/12-19
21	exp acinar cell carcinoma/
22	(acinar adj3 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).ti,ab.
23	21 or 22
24	exp pancreas/
25	(pancreas or pancreatic).ti,ab.
26	24 or 25
27	23 and 26
28	exp pancreas islet cell tumor/
29	(islet\$ adj3 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).ti,ab.
30	28 or 29
31	20 or 30
32	11 and 31
33	biliary tract surgery/
34	(biliary adj4 bypass\$.tw.
35	("bile duct" adj4 bypass\$.tw.
36	biliary stent/
37	(biliary adj4 stent\$.tw.
38	("bile duct" adj4 stent\$.tw.
39	biliary tract drainage/
40	(biliary adj4 drain\$.tw.
41	("bile duct" adj4 drain\$.tw.
42	(PBD or PEBD).tw.
43	or/33-42
44	8 and 31 and 43
45	32 or 44
46	11 and 43
47	36 or 37 or 38
48	39 or 40 or 41 or 42
49	47 and 48
50	46 or 49
51	limit to systematic reviews using methodological filters
52	45 or 51
53	limit 52 to yr="1995 -Current"

D.6.3 Database: Cochrane Library via Wiley Online

Date of last search: 18th April 2017.

#	Searches
#1	MeSH descriptor: [Pancreatic Neoplasms] explode all trees
#2	MeSH descriptor: [Carcinoma, Pancreatic Ductal] explode all trees
#3	MeSH descriptor: [Gastrinoma] explode all trees
#4	MeSH descriptor: [Glucagonoma] explode all trees

#	Searches
#5	MeSH descriptor: [Somatostatinoma] explode all trees
#6	MeSH descriptor: [Insulinoma] explode all trees
#7	MeSH descriptor: [Vipoma] explode all trees
#8	(pancrea* near/4 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*)):ti,ab,kw (Word variations have been searched)
#9	(gastrinoma* or glucagonoma* or somatostatinoma* or insulinoma* or vipoma* or pancreatoblastoma*):ti,ab,kw (Word variations have been searched)
#10	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9
#11	MeSH descriptor: [Carcinoma, Acinar Cell] explode all trees
#12	(acinar near/3 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*)):ti,ab,kw (Word variations have been searched)
#13	#11 or #12
#14	MeSH descriptor: [Pancreas] explode all trees
#15	pancreas or pancreatic:ti,ab,kw (Word variations have been searched)
#16	#14 or #15
#17	#13 and #16
#18	MeSH descriptor: [Adenoma, Islet Cell] explode all trees
#19	MeSH descriptor: [Carcinoma, Islet Cell] explode all trees
#20	(islet* near/3 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*)):ti,ab,kw (Word variations have been searched)
#21	#10 or #17 or #18 or #19 or #20
#22	MeSH descriptor: [Stents] explode all trees
#23	stent*:ti,ab,kw (Word variations have been searched)
#24	MeSH descriptor: [Biliary Tract Surgical Procedures] explode all trees
#25	(biliary near/4 bypass*):ti,ab,kw (Word variations have been searched)
#26	("bile duct" near/4 bypass*):ti,ab,kw (Word variations have been searched)
#27	MeSH descriptor: [Drainage] explode all trees
#28	(biliary near/4 drain*):ti,ab,kw (Word variations have been searched)
#29	"bile duct" near/4 drain*):ti,ab,kw (Word variations have been searched)
#30	PBD or PEBD:ti,ab,kw (Word variations have been searched)
#31	#22 or #23 or #24 or #25 or #26 or #27 or #28 or #29 or #30
#32	MeSH descriptor: [Cholestasis] explode all trees
#33	MeSH descriptor: [Jaundice, Obstructive] explode all trees
#34	MeSH descriptor: [Cholangitis] explode all trees
#35	(cholestasis or cholangitis):ti,ab,kw (Word variations have been searched)
#36	(obstructive next jaundice):ti,ab,kw (Word variations have been searched)
#37	("bile duct" near/4 (stenos* or obstruct* or stricture*)):ti,ab,kw (Word variations have been searched)
#38	(biliary near/4 (stenos* or obstruct* or stricture*)):ti,ab,kw (Word variations have been searched)
#39	#32 or #33 or #34 or #35 or #36 or #37 or #38
#40	#21 and #31 and #39
#41	(biliary near/4 stent*):ti,ab,kw (Word variations have been searched)
#42	MeSH descriptor: [Choledochostomy] explode all trees
#43	(choledochoduodenostom* or choledochojejunostom* or choledochostom* or choledojejunostom* or cholecystojejunostom* or hepaticocholecystojejunostom* or hepaticojejunostom*):ti,ab,kw (Word variations have been searched)

#	Searches
#44	#41 or #42 or #43
#45	#21 and #44
#46	#40 or #45
#47	#31 and #39 in Cochrane Reviews (Reviews and Protocols) and Other Reviews
#48	#46 or #47
#49	#22 or #23
#50	#27 or #28 or #29 or #30
#51	#49 and #50 in Cochrane Reviews (Reviews and Protocols) and Other Reviews
#52	#48 or #51

D.7 Duodenal obstruction

What is the optimal treatment of adults with newly diagnosed or recurrent resectable pancreatic cancer, borderline resectable pancreatic cancer and unresectable/metastatic pancreatic cancer who have duodenal obstruction?

D.7.1 Database: Medline

Last searched on **Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present**. Date of last search: 18th April 2017.

#	Searches
1	exp Pancreatic Neoplasms/
2	exp Carcinoma, Pancreatic Ductal/
3	exp Gastrinoma/
4	exp Glucagonoma/
5	exp Somatostatinoma/
6	exp Insulinoma/
7	exp Vipoma/
8	(pancrea\$ adj4 (neoplas\$ or cancer\$ or tumo?\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
9	(gastrinoma\$ or glucagonoma\$ or somatostatinoma\$ or insulinoma\$ or vipoma\$ or pancreatoblastoma\$).tw.
10	1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9
11	exp Carcinoma, Acinar Cell/
12	(acinar adj3 (neoplas\$ or cancer\$ or tumo?\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
13	11 or 12
14	exp Pancreas/
15	(pancreas or pancreatic).tw.
16	14 or 15
17	13 and 16
18	exp Adenoma, Islet Cell/
19	exp Carcinoma, Islet Cell/
20	(islet\$ adj3 (neoplas\$ or cancer\$ or tumo?\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
21	18 or 19 or 20
22	10 or 17 or 21

#	Searches
23	exp Stents/
24	stent\$.tw.
25	exp Gastroenterostomy/
26	exp Gastric Bypass/
27	exp Gastrostomy/
28	(gastrojejun\$ or jejunogastr\$ or gastroenterostom\$ or gastrostom\$).tw.
29	((gastr\$ or duoden\$ or jejunogastr\$) adj3 bypass\$).tw.
30	(bypass adj surg\$).tw.
31	(palliative adj (surg\$ or resect\$)).tw.
32	exp Biliopancreatic Diversion/
33	or/23-32
34	exp Gastric Outlet Obstruction/
35	exp Duodenal Obstruction/
36	exp Intestinal Obstruction/
37	exp Constriction, Pathologic/
38	((duoden\$ or jejun\$ or gastr\$ or malignant) adj4 (stenos\$ or obstruct\$)).tw.
39	or/34-38
40	22 and 33 and 39
41	33 and 39
42	pancrea\$.tw.
43	41 and 42
44	40 or 43
45	((unresect\$ or non-resect\$ or nonresect\$) adj3 pancrea\$).ti,ab.
46	33 and 45
47	44 or 46

D.7.2 Database: Embase

Last searched on **OID Embase** 1974 to 2017 April 17. Date of last search: 18th April 2017.

#	Searches
1	exp pancreas cancer/
2	gastrinoma/
3	glucagonoma/
4	somatostatinoma/
5	insulinoma/
6	vipoma/
7	(pancrea\$ adj4 (neoplas\$ or cancer\$ or tumor\$ or carcinoma\$ or malignan\$ or adeno\$ or metastas\$)).ti,ab.
8	(gastrinoma\$ or glucagonoma\$ or somatostatinoma\$ or insulinoma\$ or vipoma\$ or pancreatoblastoma\$).ti,ab.
9	or/1-8
10	exp acinar cell carcinoma/
11	(acinar adj3 (neoplas\$ or cancer\$ or tumor\$ or carcinoma\$ or malignan\$ or adeno\$ or metastas\$)).ti,ab.
12	10 or 11
13	exp pancreas/
14	(pancreas or pancreatic).ti,ab.

#	Searches
15	13 or 14
16	12 and 15
17	exp pancreas islet cell tumor/
18	(islet\$ adj3 (neoplas\$ or cancer\$ or tumor\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).ti,ab.
19	17 or 18
20	9 or 19
21	exp stent/
22	stent\$.ti,ab.
23	exp gastroenterostomy/
24	exp stomach bypass/
25	exp gastrostomy/
26	(gastrojejun\$ or jejunogastr\$ or gastroenterostom\$ or gastrostom\$).ti,ab.
27	((gastr\$ or duoden\$ or jejunogastr\$) adj3 bypass\$).ti,ab.
28	(bypass adj surg\$).ti,ab.
29	(palliative adj (surg\$ or resect\$)).ti,ab.
30	exp biliopancreatic bypass/
31	21 or 22 or 23 or 24 or 25 or 26 or 27 or 28 or 29 or 30
32	exp stomach obstruction/
33	exp duodenum obstruction/
34	exp intestine obstruction/
35	exp "stenosis, occlusion and obstruction"/
36	((duoden\$ or jejun\$ or gastr\$ or malignant) adj4 (stenos\$ or obstruct\$)).ti,ab.
37	32 or 33 or 34 or 35 or 36
38	20 and 31 and 37
39	((unresect\$ or non-resect\$ or nonresect\$) adj3 pancrea\$).ti,ab.
40	31 and 39
41	38 or 40

D.7.3 Database: Cochrane Library via Wiley Online

Date of last search: 18th April 2017.

#	Searches
#1	MeSH descriptor: [Pancreatic Neoplasms] explode all trees
#2	MeSH descriptor: [Carcinoma, Pancreatic Ductal] explode all trees
#3	MeSH descriptor: [Gastrinoma] explode all trees
#4	MeSH descriptor: [Glucagonoma] explode all trees
#5	MeSH descriptor: [Somatostatinoma] explode all trees
#6	MeSH descriptor: [Insulinoma] explode all trees
#7	MeSH descriptor: [Vipoma] explode all trees
#8	(pancrea* near/4 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*)):ti,ab,kw (Word variations have been searched)
#9	(gastrinoma* or glucagonoma* or somatostatinoma* or insulinoma* or vipoma* or pancreatoblastoma*):ti,ab,kw (Word variations have been searched)
#10	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9
#11	MeSH descriptor: [Carcinoma, Acinar Cell] explode all trees
#12	(acinar near/3 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or

#	Searches
	adeno* or metasta*)):ti,ab,kw (Word variations have been searched)
#13	#11 or #12
#14	MeSH descriptor: [Pancreas] explode all trees
#15	pancreas or pancreatic:ti,ab,kw (Word variations have been searched)
#16	#14 or #15
#17	#13 and #16
#18	MeSH descriptor: [Adenoma, Islet Cell] explode all trees
#19	MeSH descriptor: [Carcinoma, Islet Cell] explode all trees
#20	(islet* near/3 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*)):ti,ab,kw (Word variations have been searched)
#21	#10 or #17 or #18 or #19 or #20
#22	MeSH descriptor: [Stents] explode all trees
#23	stent\$:ti,ab,kw (Word variations have been searched)
#24	MeSH descriptor: [Gastroenterostomy] explode all trees
#25	MeSH descriptor: [Gastric Bypass] explode all trees
#26	MeSH descriptor: [Gastrostomy] explode all trees
#27	(gastrojejun* or jejunastr* or gastroenterostom* or gastrostom*):ti,ab,kw (Word variations have been searched)
#28	((gastr* or duoden* or jejunastr*) near/3 bypass*):ti,ab,kw (Word variations have been searched)
#29	(bypass next surg*):ti,ab,kw (Word variations have been searched)
#30	(palliative next (surg* or resect*)):ti,ab,kw (Word variations have been searched)
#31	MeSH descriptor: [Biliopancreatic Diversion] explode all trees
#32	#22 or #23 or #24 or #25 or #26 or #27 or #28 or #29 or #30 or #31
#33	MeSH descriptor: [Gastric Outlet Obstruction] explode all trees
#34	MeSH descriptor: [Duodenal Obstruction] explode all trees
#35	MeSH descriptor: [Intestinal Obstruction] explode all trees
#36	MeSH descriptor: [Constriction, Pathologic] explode all trees
#37	((duoden* or jejun* or gastr* or malignant) near/4 (stenos* or obstruct*)):ti,ab,kw (Word variations have been searched)
#38	#33 or #34 or #35 or #36 or #37
#39	#21 and #32
#40	#21 and #38
#41	#32 and #38
#42	pancrea*:ti,ab,kw (Word variations have been searched)
#43	#41 and #42
#44	#39 or #40 or #43

D.7.4 Database: Web of Science Core Collection

Timespan=All years. Date of last search: 18th April 2017.

#	Searches
#16	#15 AND #14
#15	TS=((duoden* or jejun* or gastr* or malignant) NEAR (stenos* or obstruct*))
#14	#13 AND #7
#13	#12 OR #11 OR #10 OR #9 OR #8
#12	TS=(palliative NEAR (surg* or resect*))

#	Searches
#11	TS=(bypass NEAR surg*)
#10	TS=((gastr* or duoden* or jejunogastr*) NEAR bypass*)
#9	TS=(gastrojejun* or jejunogastr* or gastroenterostom* or gastrostomy*)
#8	TS=(stent*)
#7	#6 OR #5 OR #2 OR #1
#6	TS=(islet* NEAR/5 (neoplasm* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*))
#5	#4 AND #3
#4	TS=(pancreas or pancreatic)
#3	TS=(acinar NEAR/5 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*))
#2	TS=(gastrinoma* or glucagonoma* or somatostatinoma* or insulinoma* or vipoma* or pancreatoblastoma*)
#1	TS=(pancrea* NEAR/5 (neoplasm* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*))

D.8 Management of operable and inoperable pancreatic cancer [searches by intervention]

D.8.1 Neo-adjuvant treatment

Is neoadjuvant therapy for adults with resectable and borderline resectable pancreatic adenocarcinoma an effective treatment?

D.8.2 Resectable and borderline resectable pancreatic cancer

What is the most effective surgery (type and extent) for adults with newly diagnosed resectable and borderline resectable pancreatic cancer?

D.8.3 Adjuvant treatment

What is the most effective adjuvant therapy (chemotherapy, chemoradiotherapy, biological therapy, immunotherapy, combinations of therapies) for adults who have undergone surgical resection of pancreatic adenocarcinoma?

D.8.4 Database: Medline [Gemcitabine]

Last searched on **Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present**. Date of last search: 20th April 2017.

#	Searches
1	gemcitabine.af.
2	difluorodeoxycytidine.tw.
3	difluorocytidine.tw.
4	gemzar.tw.
5	ly 188011.tw.
6	ly188011.tw.
7	dfdc\$.tw.
8	1 or 2 or 3 or 4 or 5 or 6 or 7
9	Pancreatic neoplasms/

#	Searches
10	exp Pancreas/
11	Pancreatic diseases/
12	10 or 11
13	Neoplasms/
14	Digestive system neoplasms/
15	Carcinoma/
16	Adenocarcinoma/
17	13 or 14 or 15 or 16
18	12 and 17
19	(pancrea\$ adj5 (cancer\$ or neoplasm\$ or neoplasia\$ or carcinoma\$ or tumor\$ or tumour\$ or adenocarcinoma\$)).tw.
20	9 or 18 or 19
21	8 and 20
22	limit 21 to yr="2000 -Current"
23	limit 22 to systematic reviews and RCTS using methodological filters

D.8.5 Database: Embase [Gemcitabine]

Last searched on **OID Embase** 1974 to 2017 April 17. Date of last search: 20th April 2017.

#	Searches
1	exp Pancreas tumor/
2	(neoplas\$ or tumor\$ or malignan\$ or cancer or carcinoma or adenocarcinoma).hw.
3	Pancreas disease/
4	exp pancreas/
5	3 or 4
6	2 and 5
7	(pancrea\$ adj5 (cancer\$ or neoplasm\$ or neoplasia\$ or carcinoma\$ or tumor\$ or tumour\$ or adenocarcinoma\$)).tw.
8	1 or 6 or 7
9	gemcitabine.af.
10	gemzar.af.
11	ly 188011.af.
12	ly188011.af.
13	dfdc\$.af.
14	difluorocytidine.af.
15	difluorodeoxycytidine.af.
16	9 or 10 or 11 or 12 or 13 or 14 or 15
17	8 and 16
18	limit 17 to yr="2000 -Current"
19	limit 18 to systematic reviews and RCTS using methodological filters

D.8.6 Database: Cochrane Library via Wiley Online [Gemcitabine]

Date of last search: 20th April 2017.

#	Searches
#1	Gemcitabine:ti,ab,kw (Word variations have been searched)
#2	Gemzar:ti,ab,kw (Word variations have been searched)

#	Searches
#3	difluorodeoxycytidine:ti,ab,kw (Word variations have been searched)
#4	difluorocytidine:ti,ab,kw (Word variations have been searched)
#5	DFDC:ti,ab,kw (Word variations have been searched)
#6	MeSH descriptor: [Deoxycytidine] explode all trees
#7	#1 or #2 or #3 or #4 or #5 or #6
#8	pancrea*:ti,ab,kw (Word variations have been searched)
#9	#7 and #8

D.8.7 Database: Medline [Chemotherapy / Biologicals]

Last searched on **Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present**. Date of last search: 20th April 2017.

#	Searches
1	exp Pancreatic Neoplasms/
2	exp Carcinoma, Pancreatic Ductal/
3	exp Gastrinoma/
4	exp Glucagonoma/
5	exp Somatostatinoma/
6	exp Insulinoma/
7	exp Vipoma/
8	(pancrea\$ adj4 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
9	(gastrinoma\$ or glucagonoma\$ or somatostatinoma\$ or insulinoma\$ or vipoma\$ or pancreatoblastoma\$).tw.
10	1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9
11	exp Carcinoma, Acinar Cell/
12	(acinar adj3 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
13	11 or 12
14	exp Pancreas/
15	(pancreas or pancreatic).tw.
16	14 or 15
17	13 and 16
18	exp Adenoma, Islet Cell/
19	exp Carcinoma, Islet Cell/
20	(islet\$ adj3 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
21	18 or 19 or 20
22	10 or 17 or 21
23	Capecitabine/
24	(capecitabine or xeloda).tw.
25	Cisplatin/
26	(cisplatin\$ or cis-Platin\$ or Dichlorodiammineplatin\$ or Diamminedichloroplatin\$ or cis-Dichlorodiammineplatin\$ or cis-Diamminedichloroplatin\$ or platinol or platidiam or platino or biocisplatinum).tw.
27	(oxaliplatin or eloxatin).tw.
28	Camptothecin/

#	Searches
29	(irinotecan\$ or camptothecin\$ or biotecan or Camptosar or camptothecin-11 or CPT-11 or SN-38).tw.
30	Erlotinib Hydrochloride/
31	(erlotinib or cp358774 or nsc718781 or osi774 or r141 or tarceva).tw.
32	Fluorouracil/
33	Fluorouracil.mp.
34	(5-Fluorouracil or 5-FU\$ or 5FU\$).tw.
35	(FOLFOX or FOLFIRI or XELOX or XELIRI or FOLFIRINOX).tw.
36	(LMWH or heparin or low molecular weight heparin or nadroparin or fraxiparin or enoxaparin or clexane or lovenox or dalteparin or fragmin or ardeparin or normiflo or tinzaparin or logiparin or innohep or certoparin or sandoparin or reviparin or clivarin or danaproid or organan).tw.
37	exp Heparin/
38	Bevacizumab/
39	(bevacizumab or avastin).tw.
40	Cetuximab/
41	(cetuximab or erbitux).tw.
42	(axitinib or inlyta).tw.
43	Epirubicin/
44	(epirubicin or epiadriamycin or epidoxorubicin or ellence).tw.
45	(CAPOX or GEMCAP).tw.
46	Tegafur/
47	Oxonic Acid/
48	(S-1 or gimeracil or tegafur or oteracil).tw.
49	exp Paclitaxel/
50	(paclitaxel or taxol or anzatax or onxol or paxene or praxel or nsc-125973 or nsc125973 or Abi007 or abraxane or Bms181339 or coroxane or genexol or hunxol or intaxel or paxceed or yewtaxan).tw.
51	exp Interferons/
52	(interferon\$ or Infergen or Roferon-A or Alferon-N or Avonex or Betaseron or Actimmune).tw.
53	exp Genetic Therapy/
54	exp Immunotherapy/
55	Molecular targeted therapy/
56	((gene\$ or target\$ or DNA) adj6 therap\$).tw.
57	(immunotherap\$ or "immuno therap").tw.
58	exp Antibodies/
59	antibod\$.tw.
60	Oncolytic virotherapy/
61	((oncolytic adj5 adenovirus\$) or "oncolytic virus\$").tw.
62	exp enzyme inhibitors/
63	"proteasome inhibitor\$.ti,ab.
64	"heat shock protein inhibitor\$.ti,ab.
65	"molecular multiple kinase inhibitor\$.ti,ab.
66	((mTOR or "mammalian target of rapamycin") adj4 inhibitor\$).ti,ab.
67	("signal transduction" adj2 inhibitor\$).ti,ab.
68	("histone acetyl\$ inhibitor\$" or "histone deacetylase inhibitor\$").ti,ab.
69	("tyrosine kinase inhibitor\$" or "protein kinase inhibitor\$").ti,ab.

#	Searches
70	("vascular endothelial growth factor\$" adj2 inhibitor\$).ti,ab.
71	"Poly(ADP-ribose) Polymerases"/
72	((("poly ADP-ribose polymerase" or polymerase) adj2 inhibitor\$).ti,ab.
73	(PARP adj2 inhibitor\$).ti,ab.
74	exp Cancer Vaccines/
75	exp Viral Vaccines/
76	(vaccine\$ adj4 (cancer or neoplasm or tumour or tumor)).tw.
77	Immunotoxins/
78	Quinazolines/
79	("thymidylate synthase" adj2 inhibitor\$).ti,ab.
80	("EGFR inhibitor\$" or "epidermal growth factor inhibitor\$" or "epidermal growth factor receptor inhibitor\$").ti,ab.
81	((("farnesyl transferase" or farnesyltransferase or geranylgeranyltransferase or "tyrosine kinase\$" or "matrix metalloproteinase" or multi-kinase or multikinase or urokinase or kinase or angiogenesis or protease or pathway or JAK1 or JAK2 or b-raf or VEGFR\$ or PDGFR\$ or Kras or MEK or PI3K) adj4 inhibitor\$).ti,ab.
82	or/23-81
83	22 and 82
84	limit 83 to yr="2000 -Current"
85	limit 84 to systematic reviews and RCTS using methodological filters

D.8.8 Database: Embase [Chemotherapy / Biologicals]

Last searched on **OID Embase** 1974 to 2017 April 17. Date of last search: 20th April 2017.

#	Searches
1	exp pancreas cancer/
2	gastrinoma/
3	glucagonoma/
4	somatostatinoma/
5	insulinoma/
6	vipoma/
7	(pancrea\$ adj4 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metastas\$)).ti,ab.
8	(gastrinoma\$ or glucagonoma\$ or somatostatinoma\$ or insulinoma\$ or vipoma\$ or pancreatoblastoma\$).ti,ab.
9	or/1-8
10	exp acinar cell carcinoma/
11	(acinar adj3 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metastas\$)).ti,ab.
12	10 or 11
13	exp pancreas/
14	(pancreas or pancreatic).ti,ab.
15	13 or 14
16	12 and 15
17	exp pancreas islet cell tumor/
18	(islet\$ adj3 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metastas\$)).ti,ab.
19	17 or 18

#	Searches
20	9 or 19
21	capecitabine/
22	(capecitabine or xeloda).ti,ab.
23	cisplatin/
24	(cisplatin\$ or cis-Platin\$ or Dichlorodiammineplatin\$ or Diamminedichloroplatin\$ or cis-Dichlorodiammineplatin\$ or cis-Diamminedichloroplatin\$ or platinol or platidiam or platino or biocisplatinum).ti,ab.
25	(oxaliplatin or eloxatin).ti,ab.
26	camptothecin/
27	(irinotecan\$ or camptothecin\$ or biotecan or Camptosar or camptothecin-11 or CPT-11 or SN-38).ti,ab.
28	erlotinib/
29	(erlotinib or cp358774 or nsc718781 or osi774 or r141 or tarceva).ti,ab.
30	fluorouracil/
31	Fluorouracil.mp.
32	(5-Fluorouracil or 5-FU\$ or 5FU\$).ti,ab.
33	(FOLFOX or FOLFIRI or XELOX or XELIRI or FOLFIRINOX).ti,ab.
34	heparin/
35	low molecular weight heparin/
36	(LMWH or heparin or low molecular weight heparin or nadroparin or fraxiparin or enoxaparin or clexane or lovenox or dalteparin or fragmin or ardeparin or normiflo or tinzaparin or logiparin or innohep or certoparin or sandoparin or reviparin or clivarin or danaproid or orgaran).ti,ab.
37	bevacizumab/
38	(bevacizumab or avastin).ti,ab.
39	cetuximab/
40	(cetuximab or erbitux).ti,ab.
41	axitinib/
42	(axitinib or inlyta).ti,ab.
43	epirubicin/
44	(epirubicin or epiadriamycin or epidoxorubicin or ellence).ti,ab.
45	gimeracil plus oteracil potassium plus tegafur/
46	(S-1 or gimeracil or tegafur or oteracil).ti,ab.
47	paclitaxel/
48	(paclitaxel or taxol or anzatax or onxol or paxene or praxel or nsc-125973 or nsc125973 or Abi007 or abraxane or Bms181339 or coroxane or genexol or hunxol or intaxel or paxceed or yewtaxan).ti,ab.
49	interferon/
50	(interferon\$ or Infergen or Roferon-A or Alferon-N or Avonex or Betaseron or Actimmune).ti,ab.
51	gene therapy/
52	exp cancer immunotherapy/
53	molecularly targeted therapy/
54	((gene\$ or target\$ or DNA) adj6 therap\$).ti,ab.
55	(immunotherap\$ or "immuno therap").ti,ab.
56	antibody/
57	antibod\$.ti,ab.
58	oncolytic virotherapy/

#	Searches
59	((oncolytic adj5 adenovirus\$) or "oncolytic virus\$").ti,ab.
60	exp enzyme inhibitor/
61	"proteasome inhibitor\$".ti,ab.
62	"heat shock protein inhibitor\$".ti,ab.
63	"molecular multiple kinase inhibitor\$".ti,ab.
64	((mTOR or "mammalian target of rapamycin") adj4 inhibitor\$).ti,ab.
65	("signal transduction" adj2 inhibitor\$).ti,ab.
66	("histone acetyl\$ inhibitor\$" or "histone deacetylase inhibitor\$").ti,ab.
67	("tyrosine kinase inhibitor\$" or "protein kinase inhibitor\$").ti,ab.
68	("vascular endothelial growth factor\$" adj2 inhibitor\$).ti,ab.
69	nicotinamide adenine dinucleotide adenosine diphosphate ribosyltransferase/
70	((("poly ADP-ribose polymerase" or polymerase) adj2 inhibitor\$).ti,ab.
71	(PARP adj2 inhibitor\$).ti,ab.
72	exp cancer vaccine/
73	exp virus vaccine/
74	(vaccine\$ adj4 (cancer or neoplasm or tumour or tumor)).ti,ab.
75	immunotoxin/
76	quinazoline derivative/
77	("thymidylate synthase" adj2 inhibitor\$).ti,ab.
78	("EGFR inhibitor\$" or "epidermal growth factor inhibitor\$" or "epidermal growth factor receptor inhibitor\$").ti,ab.
79	((("farnesyl transferase" or farnesyltransferase or geranylgeranyltransferase or "tyrosine kinase\$" or "matrix metalloproteinase" or multi-kinase or multikinase or urokinase or kinase or angiogenesis or protease or pathway or JAK1 or JAK2 or b-raf or VEGFR\$ or PDGFR\$ or Kras or MEK or PI3K) adj4 inhibitor\$).ti,ab.
80	or/21-79
81	20 and 80
82	limit 81 to yr="2000 -Current"
83	limit 82 to systematic reviews and RCTS using methodological filters

D.8.9 Database: Cochrane Library via Wiley Online [Chemotherapy / Biologicals]

Date of last search: 20th April 2017.

#	Searches
#1	MeSH descriptor: [Pancreatic Neoplasms] explode all trees
#2	MeSH descriptor: [Carcinoma, Pancreatic Ductal] explode all trees
#3	MeSH descriptor: [Gastrinoma] explode all trees
#4	MeSH descriptor: [Glucagonoma] explode all trees
#5	MeSH descriptor: [Somatostatinoma] explode all trees
#6	MeSH descriptor: [Insulinoma] explode all trees
#7	MeSH descriptor: [Vipoma] explode all trees
#8	(pancrea* near/4 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metast*)):ti,ab,kw (Word variations have been searched)
#9	(gastrinoma* or glucagonoma* or somatostatinoma* or insulinoma* or vipoma* or pancreatoblastoma*):ti,ab,kw (Word variations have been searched)
#10	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9
#11	MeSH descriptor: [Carcinoma, Acinar Cell] explode all trees

#	Searches
#12	(acinar near/3 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*)):ti,ab,kw (Word variations have been searched)
#13	#11 or #12
#14	MeSH descriptor: [Pancreas] explode all trees
#15	pancreas or pancreatic:ti,ab,kw (Word variations have been searched)
#16	#14 or #15
#17	#13 and #16
#18	MeSH descriptor: [Adenoma, Islet Cell] explode all trees
#19	MeSH descriptor: [Carcinoma, Islet Cell] explode all trees
#20	(islet* near/3 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*)):ti,ab,kw (Word variations have been searched)
#21	#10 or #17 or #18 or #19 or #20
#22	MeSH descriptor: [Capecitabine] explode all trees
#23	(capecitabine or xeloda):ti,ab,kw (Word variations have been searched)
#24	MeSH descriptor: [Cisplatin] explode all trees
#25	(cisplatin* or cis-Platin* or Dichlorodiammineplatin* or Diamminedichloroplatin* or cis-Dichlorodiammineplatin* or cis-Diamminedichloroplatin* or platinol or platidiam or platino or biocisplatinum):ti,ab,kw (Word variations have been searched)
#26	(oxaliplatin or eloxatin):ti,ab,kw (Word variations have been searched)
#27	MeSH descriptor: [Camptothecin] explode all trees
#28	(irinotecan* or camptothecin* or biotecan or Camptosar or camptothecin-11 or CPT-11 or SN-38):ti,ab,kw (Word variations have been searched)
#29	MeSH descriptor: [Erlotinib Hydrochloride] explode all trees
#30	(erlotinib or cp358774 or nsc718781 or osi774 or r141 or tarceva):ti,ab,kw (Word variations have been searched)
#31	MeSH descriptor: [Fluorouracil] explode all trees
#32	"fluorouracil":ti,ab,kw (Word variations have been searched)
#33	(5-Fluorouracil or 5-FU* or 5FU*):ti,ab,kw (Word variations have been searched)
#34	(FOLFOX or FOLFIRI or XELOX or XELIRI or FOLFIRINOX):ti,ab,kw (Word variations have been searched)
#35	MeSH descriptor: [Heparin] explode all trees
#36	(LMWH or heparin or low molecular weight heparin or nadroparin or fraxiparin or enoxaparin or clexane or lovenox or dalteparin or fragmin or ardeparin or normiflo or tinzaparin or logiparin or innohep or certoparin or sandoparin or reviparin or clivarin or danaproid or orgaran):ti,ab,kw (Word variations have been searched)
#37	MeSH descriptor: [Bevacizumab] explode all trees
#38	(bevacizumab or avastin):ti,ab,kw (Word variations have been searched)
#39	MeSH descriptor: [Cetuximab] explode all trees
#40	(cetuximab or erbitux):ti,ab,kw (Word variations have been searched)
#41	(axitinib or inlyta):ti,ab,kw (Word variations have been searched)
#42	MeSH descriptor: [Epirubicin] explode all trees
#43	(epirubicin or epiadriamycin or epidoxorubicin or ellence):ti,ab,kw (Word variations have been searched)
#44	MeSH descriptor: [Tegafur] explode all trees
#45	MeSH descriptor: [Oxonic Acid] explode all trees
#46	(S-1 or gimeracil or tegafur or oteracil):ti,ab,kw (Word variations have been searched)
#47	MeSH descriptor: [Paclitaxel] explode all trees
#48	(paclitaxel or taxol or anzatax or onxol or paxene or praxel or nsc-125973 or nsc125973 or

#	Searches
	Abi007 or abraxane or Bms181339 or coroxane or genexol or hunxol or intaxel or paxceed or yewtaxan):ti,ab,kw (Word variations have been searched)
#49	MeSH descriptor: [Interferons] explode all trees
#50	(interferon* or Infergen or Roferon-A or Alferon-N or Avonex or Betaseron or Actimmune):ti,ab,kw (Word variations have been searched)
#51	MeSH descriptor: [Genetic Therapy] explode all trees
#52	MeSH descriptor: [Immunotherapy] explode all trees
#53	MeSH descriptor: [Molecular Targeted Therapy] explode all trees
#54	((gene* or target* or DNA) near/6 therap*):ti,ab,kw (Word variations have been searched)
#55	(immunotherap* or "immuno therap"):ti,ab,kw (Word variations have been searched)
#56	MeSH descriptor: [Antibodies] explode all trees
#57	antibod*:ti,ab,kw (Word variations have been searched)
#58	MeSH descriptor: [Oncolytic Virotherapy] explode all trees
#59	((oncolytic near/5 adenovirus*) or "oncolytic virus*"):ti,ab,kw (Word variations have been searched)
#60	MeSH descriptor: [Enzyme Inhibitors] explode all trees
#61	"proteasome inhibitor*":ti,ab,kw (Word variations have been searched)
#62	((mTOR or "mammalian target of rapamycin") near/4 inhibitor*):ti,ab,kw (Word variations have been searched)
#63	("signal transduction" near/2 inhibitor*):ti,ab,kw (Word variations have been searched)
#64	("histone acetyl\$ inhibitor*" or "histone deacetylase inhibitor*"):ti,ab,kw (Word variations have been searched)
#65	("histone acetyl\$ inhibitor*" or "histone deacetylase inhibitor*"):ti,ab,kw (Word variations have been searched)
#66	("vascular endothelial growth factor*" near/2 inhibitor*):ti,ab,kw (Word variations have been searched)
#67	MeSH descriptor: [Poly(ADP-ribose) Polymerases] explode all trees
#68	(("poly ADP-ribose polymerase" or polymerase) near/2 inhibitor*):ti,ab,kw (Word variations have been searched)
#69	(PARP near/2 inhibitor*):ti,ab,kw (Word variations have been searched)
#70	MeSH descriptor: [Cancer Vaccines] explode all trees
#71	MeSH descriptor: [Viral Vaccines] explode all trees
#72	(vaccine* near/4 (cancer or neoplasm or tumour or tumor)):ti,ab,kw (Word variations have been searched)
#73	(vaccine* near/4 (cancer or neoplasm or tumour or tumor)):ti,ab,kw (Word variations have been searched)
#74	MeSH descriptor: [Immunotoxins] explode all trees
#75	MeSH descriptor: [Quinazolines] explode all trees
#76	("thymidylate synthase" near/2 inhibitor*):ti,ab,kw (Word variations have been searched)
#77	("EGFR inhibitor*" or "epidermal growth factor inhibitor*" or "epidermal growth factor receptor inhibitor*"):ti,ab,kw (Word variations have been searched)
#78	("EGFR inhibitor*" or "epidermal growth factor inhibitor*" or "epidermal growth factor receptor inhibitor*"):ti,ab,kw (Word variations have been searched)
#79	((("farnesyl transferase" or farnesyltransferase or geranylgeranyltransferase or "tyrosine kinase*" or "matrix metalloproteinase" or multi-kinase or multikinase or urokinase or kinase or angiogenesis or protease or pathway or JAK1 or JAK2 or b-raf or VEGFR* or PDGFR* or Kras or MEK or PI3K) near/4 inhibitor*):ti,ab,kw (Word variations have been searched)
#80	#22 or #23 or #24 or #25 or #26 or #27 or #28 or #29 or #30 or #31 or #32 or #33 or #34 or #35 or #36 or #37 or #38 or #39 or #40 or #41 or #42 or #43 or #44 or #45 or #46 or #47 or #48 or #49 or #50 or #51 or #52 or #53 or #54 or #55 or #56 or #57 or #58 or #59 or #60 or

#	Searches
	#61 or #62 or #63 or #64 or #65 or #66 or #67 or #68 or #69 or #70 or #71 or #72 or #73 or #74 or #75 or #76 or #77 or #78 or #79
#81	#21 and #80

D.8.10 Database: Medline [Chemoradiation / Radiation]

Last searched on **Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present**. Date of last search: 20th April 2017.

#	Searches
1	exp Pancreatic Neoplasms/
2	exp Carcinoma, Pancreatic Ductal/
3	exp Gastrinoma/
4	exp Glucagonoma/
5	exp Somatostatinoma/
6	exp Insulinoma/
7	exp Vipoma/
8	(pancrea\$ adj4 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
9	(gastrinoma\$ or glucagonoma\$ or somatostatinoma\$ or insulinoma\$ or vipoma\$ or pancreatoblastoma\$).tw.
10	1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9
11	exp Carcinoma, Acinar Cell/
12	(acinar adj3 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
13	11 or 12
14	exp Pancreas/
15	(pancreas or pancreatic).tw.
16	14 or 15
17	13 and 16
18	exp Adenoma, Islet Cell/
19	exp Carcinoma, Islet Cell/
20	(islet\$ adj3 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
21	18 or 19 or 20
22	10 or 17 or 21
23	exp Chemoradiotherapy/
24	(chemoradi\$ or chemo-radi\$ or radiochemotherap\$ or radio-chemotherap\$).tw.
25	exp Radiotherapy/
26	exp Radiosurgery/
27	(radiation or radiotherap\$ or irradiation).tw.
28	SBRT.tw.
29	23 or 24 or 25 or 26 or 27 or 28
30	22 and 29
31	limit 30 to yr="2000 -Current"
32	limit 31 to systematic reviews and RCTS using methodological filters

D.8.11 Database: Embase [Chemoradiation / Radiation]

Last searched on **OVID Embase** 1974 to 2017 April 17. Date of last search: 20th April 2017.

#	Searches
1	exp pancreas cancer/
2	gastrinoma/
3	glucagonoma/
4	somatostatinoma/
5	insulinoma/
6	vipoma/
7	(pancrea\$ adj4 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).ti,ab.
8	(gastrinoma\$ or glucagonoma\$ or somatostatinoma\$ or insulinoma\$ or vipoma\$ or pancreatoblastoma\$).ti,ab.
9	or/1-8
10	exp acinar cell carcinoma/
11	(acinar adj3 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).ti,ab.
12	10 or 11
13	exp pancreas/
14	(pancreas or pancreatic).ti,ab.
15	13 or 14
16	12 and 15
17	exp pancreas islet cell tumor/
18	(islet\$ adj3 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).ti,ab.
19	17 or 18
20	9 or 19
21	exp chemoradiotherapy/
22	(chemoradi\$ or chemo-radi\$ or radiochemotherap\$ or radio-chemotherap\$).ti,ab.
23	exp radiotherapy/
24	exp radiosurgery/
25	(radiation or radiotherap\$ or irradiation).ti,ab.
26	SBRT.ti,ab.
27	or/21-26
28	20 and 27
29	limit 28 to yr="2000 -Current"
30	limit 29 to systematic reviews and RCTS using methodological filters

D.8.12 Database: Cochrane Library via Wiley Online [Chemoradiation / Radiation]

Last searched on present.

#	Searches
#1	MeSH descriptor: [Pancreatic Neoplasms] explode all trees
#2	MeSH descriptor: [Carcinoma, Pancreatic Ductal] explode all trees
#3	MeSH descriptor: [Gastrinoma] explode all trees
#4	MeSH descriptor: [Glucagonoma] explode all trees
#5	MeSH descriptor: [Somatostatinoma] explode all trees
#6	MeSH descriptor: [Insulinoma] explode all trees

#	Searches
#7	MeSH descriptor: [Vipoma] explode all trees
#8	(pancrea* near/4 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*)):ti,ab,kw (Word variations have been searched)
#9	(gastrinoma* or glucagonoma* or somatostatinoma* or insulinoma* or vipoma* or pancreatoblastoma*):ti,ab,kw (Word variations have been searched)
#10	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9
#11	MeSH descriptor: [Carcinoma, Acinar Cell] explode all trees
#12	(acinar near/3 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*)):ti,ab,kw (Word variations have been searched)
#13	#11 or #12
#14	MeSH descriptor: [Pancreas] explode all trees
#15	pancreas or pancreatic:ti,ab,kw (Word variations have been searched)
#16	#14 or #15
#17	#13 and #16
#18	MeSH descriptor: [Adenoma, Islet Cell] explode all trees
#19	MeSH descriptor: [Carcinoma, Islet Cell] explode all trees
#20	(islet* near/3 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*)):ti,ab,kw (Word variations have been searched)
#21	#10 or #17 or #18 or #19 or #20
#22	MeSH descriptor: [Chemoradiotherapy] explode all trees
#23	(chemoradi* or chemo-radi* or radiochemotherap* or radio-chemotherap*):ti,ab,kw (Word variations have been searched)
#24	MeSH descriptor: [Radiotherapy] explode all trees
#25	MeSH descriptor: [Radiosurgery] explode all trees
#26	(radiation or radiotherap* or irradiation):ti,ab,kw (Word variations have been searched)
#27	"SBRT":ti,ab,kw (Word variations have been searched)
#28	#22 or #23 or #24 or #25 or #26 or #27
#29	#21 and #28

D.9 Management of inoperable pancreatic cancer: [Ablation]

D.9.1 Management of locally advanced pancreatic cancer

What is the most effective treatment (chemotherapy, chemoradiotherapy, radiotherapy, combinations of chemotherapy and chemoradiotherapy, biological therapies or other local therapies) for adults with newly diagnosed or recurrent unresectable locally advanced non-metastatic pancreatic cancer?

D.9.2 Management of metastatic pancreatic cancer

What are the most effective interventions (excluding relevant NICE TAs) for adults with newly diagnosed or recurrent metastatic pancreatic cancer (chemotherapy, surgery, radiotherapy)?

D.9.3 Database: Medline

Last searched on **Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present**. Date of last search: 19th April 2017.

#	Searches
1	exp Pancreatic Neoplasms/
2	exp Carcinoma, Pancreatic Ductal/
3	exp Gastrinoma/
4	exp Glucagonoma/
5	exp Somatostatinoma/
6	exp Insulinoma/
7	exp Vipoma/
8	(pancrea\$ adj4 (neoplas\$ or cancer\$ or tumor?\$ or carcinoma\$ or malignan\$ or adeno\$ or metastas\$)).tw.
9	(gastrinoma\$ or glucagonoma\$ or somatostatinoma\$ or insulinoma\$ or vipoma\$ or pancreatoblastoma\$).tw.
10	1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9
11	exp Carcinoma, Acinar Cell/
12	(acinar adj3 (neoplas\$ or cancer\$ or tumor?\$ or carcinoma\$ or malignan\$ or adeno\$ or metastas\$)).tw.
13	11 or 12
14	exp Pancreas/
15	(pancreas or pancreatic).tw.
16	14 or 15
17	13 and 16
18	exp Adenoma, Islet Cell/
19	exp Carcinoma, Islet Cell/
20	(islet\$ adj3 (neoplas\$ or cancer\$ or tumor?\$ or carcinoma\$ or malignan\$ or adeno\$ or metastas\$)).tw.
21	18 or 19 or 20
22	10 or 17 or 21
23	Catheter Ablation/
24	(Radiofrequency\$ or Radio-frequency\$ or Radio frequency\$).tw.
25	23 and 24
26	((radiofrequency\$ or radio-frequency\$ or radio frequency\$) adj3 ablation\$).tw.
27	RFA.tw.
28	25 or 26 or 27
29	Microwaves/
30	((microwave\$ or micro-wave\$) adj4 (ablat\$ or coagulat\$ or therap\$ or thermotherap\$ or thermoablat\$ or hypertherm\$)).tw.
31	(microwave adj (radiation or irradiation or radiotherap\$)).tw.
32	*Ablation Techniques/
33	*Catheter Ablation/
34	29 or 30 or 31 or 32 or 33
35	Cryotherapy/
36	Cryosurgery/
37	(cryotherap\$ or cryosurg\$ or cryoablat\$).tw.
38	(cryo\$ adj (ablat\$ or surg\$ or therap\$)).tw.
39	((cold or freeze\$) adj therap\$).tw.
40	35 or 36 or 37 or 38 or 39
41	embolization, therapeutic/ or chemoembolization, therapeutic/

#	Searches
42	(embolisation or emobolization).tw.
43	(TAE or TACE).tw.
44	41 or 42 or 43
45	((ablat\$ or local) adj (therap\$ or treatment\$ or method\$)).tw.
46	High-Intensity Focused Ultrasound Ablation/
47	HIFU.tw.
48	(high adj4 intens* adj4 focus* adj4 ultrasound*).tw.
49	(high* adj4 intensit* adj4 focal* adj4 therap*).tw.
50	(hemi* adj3 ablat*).tw.
51	hemi-ablat*.tw.
52	46 or 47 or 48 or 49 or 50 or 51
53	Photochemotherapy/
54	Hematoporphyrin Photoradiation/
55	Photosensitizing Agents/
56	photodynamic.mp.
57	PDT.tw.
58	53 or 54 or 55 or 56 or 57
59	28 or 34 or 40 or 44 or 45 or 52 or 58
60	22 and 59
61	Electroporation/
62	Electric Stimulation/
63	exp Nanotechnology/
64	nanoknife.tw.
65	(irrevers* adj3 (electropor* or electro-por* or electropermeab* or electro-permeab*)).tw.
66	(electric* adj3 (field* or stimul* or pulse* or cell? or membrane* or pore?)).tw.
67	Electric Stimulation Therapy/
68	IRE.tw.
69	LEDC.tw.
70	Electrochemotherapy/
71	electrochemo*.tw.
72	Ablation Techniques/
73	((tissue* or tumor* or tumour*) adj3 ablat*).tw.
74	(bipolar adj3 (puls? or electrod* or mode?)).tw.
75	or/61-74
76	22 and 75
77	limit 76 to yr="2012 -Current"
78	60 or 77

D.9.4 Database: Embase

Last searched on **OID Embase** 1974 to 2017 April 17. Date of last search: 19th April 2017.

#	Searches
1	exp pancreas cancer/
2	gastrinoma/
3	glucagonoma/
4	somatostatinoma/

#	Searches
5	insulinoma/
6	vipoma/
7	(pancrea\$ adj4 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).ti,ab.
8	(gastrinoma\$ or glucagonoma\$ or somatostatinoma\$ or insulinoma\$ or vipoma\$ or pancreatoblastoma\$).ti,ab.
9	or/1-8
10	exp acinar cell carcinoma/
11	(acinar adj3 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).ti,ab.
12	10 or 11
13	exp pancreas/
14	(pancreas or pancreatic).ti,ab.
15	13 or 14
16	12 and 15
17	exp pancreas islet cell tumor/
18	(islet\$ adj3 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).ti,ab.
19	17 or 18
20	9 or 19
21	((radiofrequency\$ or radio-frequency\$ or radio frequency\$) adj3 ablation\$).ti,ab.
22	RFA.ti,ab.
23	radiofrequency ablation/
24	21 or 22 or 23
25	microwave therapy/
26	((microwave\$ or micro-wave\$) adj4 (ablat\$ or coagulat\$ or therap\$ or thermotherap\$ or thermoablat\$ or hypertherm\$)).ti,ab.
27	(microwave adj (radiation or irradiation or radiotherap\$)).ti,ab.
28	*catheter ablation/
29	*ablation therapy/
30	25 or 26 or 27 or 28 or 29
31	cryotherapy/
32	cryosurgery/
33	(cryotherap\$ or cryosurg\$ or cryoablat\$).ti,ab.
34	(cryo\$ adj (ablat\$ or surg\$ or therap\$)).ti,ab.
35	((cold or freeze\$) adj therap\$).ti,ab.
36	31 or 32 or 33 or 34 or 35
37	chemoembolization/
38	artificial embolism/
39	(embolisation or embolization).ti,ab.
40	(TAE or TACE).ti,ab.
41	37 or 38 or 39 or 40
42	((ablat\$ or local) adj (therap\$ or treatment\$ or method\$)).ti,ab.
43	high intensity focused ultrasound/
44	HIFU.ti,ab.
45	(high adj4 intens* adj4 focus* adj4 ultrasound*).ti,ab.
46	(high* adj4 intensit* adj4 focal* adj4 therap*).ti,ab.

#	Searches
47	(hemi* adj3 ablat*).ti,ab.
48	hemi-ablat*.ti,ab.
49	42 or 43 or 44 or 45 or 46 or 47 or 48
50	photodynamic therapy/
51	(photodynamic or PDT).ti,ab.
52	50 or 51
53	24 or 30 or 36 or 41 or 49 or 52
54	20 and 53
55	electroporation/
56	irreversible electroporation device/
57	nanotechnology/
58	nanoknife.ti,ab.
59	(irrevers* adj3 (electropor* or electro-por* or electropermeab* or electro-permeab*)).ti,ab.
60	(electric* adj3 (field* or stimul* or pulse* or cell? or membrane* or pore?)).ti,ab.
61	electrostimulation therapy/
62	(IRE or LEDC).ti,ab.
63	electrochemotherapy/
64	electrochemo*.ti,ab.
65	*ablation therapy/
66	((tissue* or tumor* or tumour*) adj3 ablat*).ti,ab.
67	(bipolar adj3 (puls? or electrod* or mode?)).ti,ab.
68	or/55-67
69	20 and 68
70	limit 69 to yr="2012 -Current"
71	54 or 70

D.9.5 Database: Cochrane Library via Wiley Online

Date of last search: 19th April 2017.

#	Searches
#1	MeSH descriptor: [Pancreatic Neoplasms] explode all trees
#2	MeSH descriptor: [Carcinoma, Pancreatic Ductal] explode all trees
#3	MeSH descriptor: [Gastrinoma] explode all trees
#4	MeSH descriptor: [Glucagonoma] explode all trees
#5	MeSH descriptor: [Somatostatinoma] explode all trees
#6	MeSH descriptor: [Insulinoma] explode all trees
#7	MeSH descriptor: [Vipoma] explode all trees
#8	(pancrea* near/4 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*)):ti,ab,kw (Word variations have been searched)
#9	(gastrinoma* or glucagonoma* or somatostatinoma* or insulinoma* or vipoma* or pancreatoblastoma*):ti,ab,kw (Word variations have been searched)
#10	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9
#11	MeSH descriptor: [Carcinoma, Acinar Cell] explode all trees
#12	(acinar near/3 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*)):ti,ab,kw (Word variations have been searched)
#13	#11 or #12
#14	MeSH descriptor: [Pancreas] explode all trees

#	Searches
#15	pancreas or pancreatic:ti,ab,kw (Word variations have been searched)
#16	#14 or #15
#17	#13 and #16
#18	MeSH descriptor: [Adenoma, Islet Cell] explode all trees
#19	MeSH descriptor: [Carcinoma, Islet Cell] explode all trees
#20	(islet* near/3 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*)):ti,ab,kw (Word variations have been searched)
#21	#10 or #17 or #18 or #19 or #20
#22	((radiofrequency* or radio-frequency* or radio frequency*) near/3 ablation*):ti,ab,kw (Word variations have been searched)
#23	"RFA":ti,ab,kw (Word variations have been searched)
#24	MeSH descriptor: [Microwaves] this term only
#25	((microwave* or micro-wave*) near/4 (ablat* or coagulat* or therap* or thermotherap* or thermoablat* or hypertherm*)):ti,ab,kw (Word variations have been searched)
#26	(microwave next (radiation or irradiation or radiotherap*)):ti,ab,kw (Word variations have been searched)
#27	MeSH descriptor: [Catheter Ablation] this term only
#28	MeSH descriptor: [Ablation Techniques] explode all trees
#29	MeSH descriptor: [Cryotherapy] explode all trees
#30	MeSH descriptor: [Cryosurgery] explode all trees
#31	(cryotherap* or cryosurg* or cryoablat*):ti,ab,kw (Word variations have been searched)
#32	(cryo* next (ablat* or surg* or therap*)):ti,ab,kw (Word variations have been searched)
#33	((cold or freeze*) next therap*):ti,ab,kw (Word variations have been searched)
#34	MeSH descriptor: [Embolization, Therapeutic] explode all trees
#35	MeSH descriptor: [Chemoembolization, Therapeutic] explode all trees
#36	(embolisation or embolization):ti,ab,kw (Word variations have been searched)
#37	(TAE or TACE):ti,ab,kw (Word variations have been searched)
#38	((ablat* or local) next (therap* or treatment* or method*)):ti,ab,kw (Word variations have been searched)
#39	MeSH descriptor: [High-Intensity Focused Ultrasound Ablation] explode all trees
#40	HIFU:ti,ab,kw (Word variations have been searched)
#41	(high near/4 intens* near/4 focus* near/4 ultrasound*):ti,ab,kw (Word variations have been searched)
#42	(high* near/4 intensit* near/4 focal* near/4 therap*):ti,ab,kw (Word variations have been searched)
#43	(hemi* near/3 ablat*):ti,ab,kw (Word variations have been searched)
#44	hemi-ablat*:ti,ab,kw (Word variations have been searched)
#45	MeSH descriptor: [Photochemotherapy] explode all trees
#46	MeSH descriptor: [Hematoporphyrin Photoradiation] explode all trees
#47	MeSH descriptor: [Photosensitizing Agents] explode all trees
#48	photodynamic:ti,ab,kw (Word variations have been searched)
#49	"PDT":ti,ab,kw (Word variations have been searched)
#50	#22 or #23 or #24 or #25 or #26 or #27 or #28 or #29 or #30 or #31 or #32 or #33 or #34 or #35 or #36 or #37 or #38 or #39 or #40 or #41 or #42 or #43 or #44 or #45 or #46 or #47 or #48 or #49
#51	#21 and #50
#52	MeSH descriptor: [Electroporation] explode all trees
#53	MeSH descriptor: [Electric Stimulation] explode all trees

#	Searches
#54	MeSH descriptor: [Nanotechnology] explode all trees
#55	nanoknife:ti,ab,kw (Word variations have been searched)
#56	(irrevers* near/3 (electropor* or electro-por* or electropermeab* or electro-permeab*)):ti,ab,kw (Word variations have been searched)
#57	(electric* near/3 (field* or stimul* or pulse* or cell? or membrane* or pore?)):ti,ab,kw (Word variations have been searched)
#58	MeSH descriptor: [Electric Stimulation Therapy] explode all trees
#59	(IRE or LEDC):ti,ab,kw (Word variations have been searched)
#60	MeSH descriptor: [Electrochemotherapy] explode all trees
#61	electrochemo*:ti,ab,kw (Word variations have been searched)
#62	((tissue* or tumor* or tumour*) near/3 ablat*):ti,ab,kw (Word variations have been searched)
#63	(bipolar near/3 (puls? or electro* or mode?)):ti,ab,kw (Word variations have been searched)
#64	#52 or #53 or #54 or #55 or #56 or #57 or #58 or #59 or #60 or #61 or #62 or #63
#65	#21 and #64 Publication Year from 2012 to 2017
#66	#51 or #65

D.9.6 Database: Web of Science Core Collection

Timespan=All years. Date of last search 19th April 2017.

#	Searches
#25	#24 AND #7
#24	#23 OR #22 OR #21 OR #20 OR #19 OR #18 OR #17 OR #16 OR #15 OR #14 OR #13 OR #12 OR #11 OR #10 OR #9 OR #8
#23	TS=(photodynamic or photochemotherap\$ or photoradiation or PDT)
#22	TS=(hemi-ablat*)
#21	TS=(hemi* near/3 ablat*)
#20	TS=(high near/4 intens* near/4 focus* near/4 ultrasound*)
#19	TS=(high* near/4 intensit* near/4 focal* near/4 therap*)
#18	TS=(HIFU)
#17	TS=((ablat* or local) NEAR/2 (therap* or treatment* or method*))
#16	TS=(TAE or TACE)
#15	TS=(embolisation or embolization or chemoembolization or chemoembolisation or radioembolisation or radioembolization)
#14	TS=((cold or freeze*) NEAR/2 therap*)
#13	TS=(cryo* NEAR/2 (ablat* or surg* or therap*))
#12	TS=(cryotherap* or cryosurg* or cryoablat*)
#11	TS=(microwave NEAR/2 (radiation or irradiation or radiotherap*))
#10	TS=((microwave* or micro-wave*) NEAR/5 (ablat* or coagulat* or therap* or thermotherap* or thermoablat* or hypertherm*))
#9	TS=(RFA)
#8	TS=((radiofrequency* or radio-frequency* or radio frequency*) SAME ablation*)
#7	#6 OR #5 OR #2 OR #1
#6	TS=(islet* NEAR/5 (neoplasm* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*))
#5	#4 AND #3
#4	TS=(pancreas or pancreatic)

#	Searches
#3	TS=(acinar NEAR/5 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*))
#2	TS=(gastrinoma* or glucagonoma* or somatostatinoma* or insulinoma* or vipoma* or pancreatoblastoma*)
#1	TS=(pancrea* NEAR/5 (neoplasm* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*))

D.10 Management of metastatic pancreatic cancer: Surgery for Metastatic Disease

What are the most effective interventions (excluding relevant NICE TAs) for adults with newly diagnosed or recurrent metastatic pancreatic cancer (chemotherapy, surgery, radiotherapy)?

D.10.1 Database: Medline

Last searched on **Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present**. Date of last search: 19th April 2017.

#	Searches
1	exp Pancreatic Neoplasms/
2	exp Carcinoma, Pancreatic Ductal/
3	exp Gastrinoma/
4	exp Glucagonoma/
5	exp Somatostatinoma/
6	exp Insulinoma/
7	exp Vipoma/
8	(pancrea\$ adj4 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
9	(gastrinoma\$ or glucagonoma\$ or somatostatinoma\$ or insulinoma\$ or vipoma\$ or pancreatoblastoma\$).tw.
10	1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9
11	exp Carcinoma, Acinar Cell/
12	(acinar adj3 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
13	11 or 12
14	exp Pancreas/
15	(pancreas or pancreatic).tw.
16	14 or 15
17	13 and 16
18	exp Adenoma, Islet Cell/
19	exp Carcinoma, Islet Cell/
20	(islet\$ adj3 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
21	18 or 19 or 20
22	10 or 17 or 21
23	exp Lung Neoplasms/
24	((lung or pulmonary) adj3 (second\$ or metast\$ or spread\$ or advanc\$ or termina\$)).tw.
25	exp Liver Neoplasms/

#	Searches
26	((liver or hepatic) adj3 (second\$ or metast\$ or spread\$ or advanc\$ or termina\$)).tw.
27	((single or solitary) adj2 metastas#s).tw.
28	oligometast\$.tw.
29	("metastatic pancrea\$" adj4 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$)).tw.
30	or/23-29
31	exp Metastasectomy/
32	exp Hepatectomy/
33	(metastasectom\$ or metastatectom\$ or hepatectom\$).tw.
34	(palliative adj (resect\$ or surg\$)).tw.
35	((liver or hepatic or lung or pulmonary) adj2 (resect\$ or surg\$)).tw.
36	or/31-35
37	((non-colorectal or noncolorectal) adj3 (primar\$ or neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
38	22 or 37
39	36 and 38
40	(surg\$ or resect\$).m_titl.
41	30 and 38 and 40
42	39 or 41

D.10.2 Database: Embase

Last searched on **OID Embase** 1974 to 2017 April 17. Date of last search: 19th April 2017.

#	Searches
1	exp pancreas cancer/
2	gastrinoma/
3	glucagonoma/
4	somatostatinoma/
5	insulinoma/
6	vipoma/
7	(pancrea\$ adj4 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).ti,ab.
8	(gastrinoma\$ or glucagonoma\$ or somatostatinoma\$ or insulinoma\$ or vipoma\$ or pancreatoblastoma\$).ti,ab.
9	or/1-8
10	exp acinar cell carcinoma/
11	(acinar adj3 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).ti,ab.
12	10 or 11
13	exp pancreas/
14	(pancreas or pancreatic).ti,ab.
15	13 or 14
16	12 and 15
17	exp pancreas islet cell tumor/
18	(islet\$ adj3 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).ti,ab.
19	17 or 18

#	Searches
20	9 or 19
21	((non-colorectal or noncolorectal) adj3 (primar\$ or neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
22	20 or 21
23	metastasis resection/
24	(metastasectom\$ or metastatectom\$ or hepatectom\$).ti,ab.
25	(palliative adj (resect\$ or surg\$)).ti,ab.
26	((liver or hepatic or lung or pulmonary) adj2 (resect\$ or surg\$)).ti,ab.
27	23 or 24 or 25 or 26
28	22 and 27
29	lung metastasis/
30	((lung or pulmonary) adj3 (second\$ or metast\$ or spread\$ or advanc\$ or termina\$)).ti,ab.
31	liver metastasis/
32	((liver or hepatic) adj3 (second\$ or metast\$ or spread\$ or advanc\$ or termina\$)).ti,ab.
33	((single or solitary) adj2 metastas#s).ti,ab.
34	oligometast\$.ti,ab.
35	("metastatic pancrea\$" adj4 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$)).ti,ab.
36	29 or 30 or 31 or 32 or 33 or 34 or 35
37	(surg\$ or resect\$).m_titl.
38	22 and 36 and 37
39	28 or 38

D.10.3 Database: Cochrane Library via Wiley Online

Date of last search: 19th April 2017.

#	Searches
#1	MeSH descriptor: [Pancreatic Neoplasms] explode all trees
#2	MeSH descriptor: [Carcinoma, Pancreatic Ductal] explode all trees
#3	MeSH descriptor: [Gastrinoma] explode all trees
#4	MeSH descriptor: [Glucagonoma] explode all trees
#5	MeSH descriptor: [Somatostatinoma] explode all trees
#6	MeSH descriptor: [Insulinoma] explode all trees
#7	MeSH descriptor: [Vipoma] explode all trees
#8	(pancrea* near/4 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*)):ti,ab,kw (Word variations have been searched)
#9	(gastrinoma* or glucagonoma* or somatostatinoma* or insulinoma* or vipoma* or pancreatoblastoma*):ti,ab,kw (Word variations have been searched)
#10	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9
#11	MeSH descriptor: [Carcinoma, Acinar Cell] explode all trees
#12	(acinar near/3 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*)):ti,ab,kw (Word variations have been searched)
#13	#11 or #12
#14	MeSH descriptor: [Pancreas] explode all trees
#15	pancreas or pancreatic:ti,ab,kw (Word variations have been searched)
#16	#14 or #15
#17	#13 and #16

#	Searches
#18	MeSH descriptor: [Adenoma, Islet Cell] explode all trees
#19	MeSH descriptor: [Carcinoma, Islet Cell] explode all trees
#20	(islet* near/3 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*)):ti,ab,kw (Word variations have been searched)
#21	#10 or #17 or #18 or #19 or #20
#22	MeSH descriptor: [Metastasectomy] explode all trees
#23	MeSH descriptor: [Hepatectomy] explode all trees
#24	(metastasectom* or metastatectom* or hepatectom*):ti,ab,kw (Word variations have been searched)
#25	(palliative near/2 (resect* or surg*)):ti,ab,kw (Word variations have been searched)
#26	((liver or hepatic or lung or pulmonary) near/2 (resect* or surg*)):ti,ab,kw (Word variations have been searched)
#27	#22 or #23 or #24 or #25 or #26
#28	((non-colorectal or noncolorectal) near/3 (primar* or neoplas* or cancer* or tumo?r* or carcinoma* or malignan* or adeno* or metasta*)):ti,ab,kw (Word variations have been searched)
#29	#21 or #28
#30	#27 and #29
#31	MeSH descriptor: [Lung Neoplasms] explode all trees
#32	((lung or pulmonary) near/3 (second* or metast* or spread* or advanc* or termina*)):ti,ab,kw (Word variations have been searched)
#33	MeSH descriptor: [Liver Neoplasms] explode all trees
#34	((liver or hepatic) near/3 (second* or metast* or spread* or advanc* or termina*)):ti,ab,kw (Word variations have been searched)
#35	((single or solitary) near/2 metastas?s):ti,ab,kw (Word variations have been searched)
#36	oligometast*:ti,ab,kw (Word variations have been searched)
#37	(metastatic next pancrea*):ti,ab,kw (Word variations have been searched)
#38	#31 or #32 or #33 or #34 or #35 or #36 or #37
#39	(surg* or resect*):ti,ab,kw (Word variations have been searched)
#40	#29 and #38 and #39
#41	#30 or #40

D.10.4 Database: Web of Science Core Collection

Timespan=All years. Date of last search: 19th April 2017.

#	Searches
#2 3	#22 OR #14
#2 2	#21 AND #20 AND #13
#2 1	TI=(surg* or resect*)
#2 0	#19 OR #18 OR #17 OR #16 OR #15
#1 9	TS=("metastatic pancreas*" NEAR/4 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno*))
#1 8	TS=(oligometast*)
#1	TS=((single or solitary) NEAR/2 metastas\$)

#	Searches
7	
#1 6	TS=((liver or hepatic) NEAR/3 (second* or metast* or spread* or advance* or termina*))
#1 5	TS=((lung or pulmonary) NEAR/3 (second* or metast* or spread* or advance* or termina*))
#1 4	#13 AND #11
#1 3	#12 OR #7
#1 2	TS=((non-colorectal or noncolorectal) NEAR/3 (primar* or neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*))
#1 1	#10 OR #9 OR #8
#1 0	TS=((liver or hepatic or lung or pulmonary) NEAR/2 (resect* or surg*))
#9	TS=(palliative NEAR/2 (resect* or surg*))
#8	TS=(metastasectom* or metastatectom* or hepatectom*)
#7	#6 OR #5 OR #2 OR #1
#6	TS=(islet* NEAR/5 (neoplasm* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*))
#5	#4 AND #3
#4	TS=(pancreas or pancreatic)
#3	TS=(acinar NEAR/5 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*))
#2	TS=(gastrinoma* or glucagonoma* or somatostatinoma* or insulinoma* or vipoma* or pancreatoblastoma*)
#1	TS=(pancrea* NEAR/5 (neoplasm* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*))

D.11 Follow-up for people with resected pancreatic cancer

What is the optimal follow-up protocol for people with resected pancreatic adenocarcinoma?

D.11.1 Database: Medline

Last searched on **Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present**. Date of last search: 20th April 2017.

#	Searches
1	exp Pancreatic Neoplasms/
2	exp Carcinoma, Pancreatic Ductal/
3	exp Gastrinoma/
4	exp Glucagonoma/
5	exp Somatostatinoma/
6	exp Insulinoma/
7	exp Vipoma/
8	(pancrea\$ adj4 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
9	(gastrinoma\$ or glucagonoma\$ or somatostatinoma\$ or insulinoma\$ or vipoma\$ or

#	Searches
	pancreatoblastoma\$.tw.
10	1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9
11	exp Carcinoma, Acinar Cell/
12	(acinar adj3 (neoplas\$ or cancer\$ or tumor?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metastas\$)).tw.
13	11 or 12
14	exp Pancreas/
15	(pancreas or pancreatic).tw.
16	14 or 15
17	13 and 16
18	exp Adenoma, Islet Cell/
19	exp Carcinoma, Islet Cell/
20	(islet\$ adj3 (neoplas\$ or cancer\$ or tumor?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metastas\$)).tw.
21	18 or 19 or 20
22	10 or 17 or 21
23	exp Aftercare/
24	(aftercare or after-care or followup or follow-up or surveillance).m_titl.
25	((post-treatment or posttreatment) adj1 evaluation\$.mp.
26	((post-treatment or posttreatment) adj1 care).mp.
27	((post-treatment or posttreatment) adj1 monitoring).mp.
28	*Treatment Outcome/
29	(response adj2 assessment).tw.
30	(response adj2 criteria).tw.
31	*Monitoring, Physiologic/
32	((followup or follow-up or surveillance) adj2 (schedule\$ or program\$ or protocol\$ or plan\$)).mp.
33	exp Survivors/
34	survivorship.tw.
35	(holistic adj need\$ adj assess\$).tw.
36	23 or 24 or 25 or 26 or 27 or 28 or 29 or 30 or 31 or 32 or 33 or 34 or 35
37	22 and 36

D.11.2 Database: Embase

Last searched on **OID Embase** 1974 to 2017 April 17. Date of last search: 20th April 2017.

#	Searches
1	exp pancreas cancer/
2	gastrinoma/
3	glucagonoma/
4	somatostatinoma/
5	insulinoma/
6	vipoma/
7	(pancrea\$ adj4 (neoplas\$ or cancer\$ or tumor?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metastas\$)).ti,ab.
8	(gastrinoma\$ or glucagonoma\$ or somatostatinoma\$ or insulinoma\$ or vipoma\$ or pancreatoblastoma\$).ti,ab.

#	Searches
9	or/1-8
10	exp acinar cell carcinoma/
11	(acinar adj3 (neoplas\$ or cancer\$ or tumor?\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).ti,ab.
12	10 or 11
13	exp pancreas/
14	(pancreas or pancreatic).ti,ab.
15	13 or 14
16	12 and 15
17	exp pancreas islet cell tumor/
18	(islet\$ adj3 (neoplas\$ or cancer\$ or tumor?\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).ti,ab.
19	17 or 18
20	9 or 19
21	(aftercare or after-care or followup or follow-up or surveillance).m_titl.
22	((post-treatment or posttreatment) adj1 evaluation\$.mp.
23	((post-treatment or posttreatment) adj1 care).mp.
24	((post-treatment or posttreatment) adj1 monitoring).mp.
25	*treatment outcome/
26	(response adj2 assessment).tw.
27	(response adj2 criteria).tw.
28	*physiologic monitoring/
29	*patient monitoring/
30	((followup or follow-up or surveillance) adj2 (schedule\$ or program\$ or protocol\$ or plan\$)).mp.
31	exp survivor/
32	survivorship.tw.
33	*aftercare/
34	(holistic adj need\$ adj assess\$).tw.
35	21 or 22 or 23 or 24 or 25 or 26 or 27 or 28 or 29 or 30 or 31 or 32 or 33 or 34
36	20 and 35

D.11.3 Database: Cochrane Library via Wiley Online

Date of last search: 20th April 2017.

#	Searches
#1	MeSH descriptor: [Pancreatic Neoplasms] explode all trees
#2	MeSH descriptor: [Carcinoma, Pancreatic Ductal] explode all trees
#3	MeSH descriptor: [Gastrinoma] explode all trees
#4	MeSH descriptor: [Glucagonoma] explode all trees
#5	MeSH descriptor: [Somatostatinoma] explode all trees
#6	MeSH descriptor: [Insulinoma] explode all trees
#7	MeSH descriptor: [Vipoma] explode all trees
#8	(pancrea* near/4 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*)):ti,ab,kw (Word variations have been searched)
#9	(gastrinoma* or glucagonoma* or somatostatinoma* or insulinoma* or vipoma* or pancreatoblastoma*):ti,ab,kw (Word variations have been searched)

#	Searches
#10	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9
#11	MeSH descriptor: [Carcinoma, Acinar Cell] explode all trees
#12	(acinar near/3 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*)):ti,ab,kw (Word variations have been searched)
#13	#11 or #12
#14	MeSH descriptor: [Pancreas] explode all trees
#15	pancreas or pancreatic:ti,ab,kw (Word variations have been searched)
#16	#14 or #15
#17	#13 and #16
#18	MeSH descriptor: [Adenoma, Islet Cell] explode all trees
#19	MeSH descriptor: [Carcinoma, Islet Cell] explode all trees
#20	(islet* near/3 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*)):ti,ab,kw (Word variations have been searched)
#21	#10 or #17 or #18 or #19 or #20
#22	MeSH descriptor: [Aftercare] explode all trees
#23	(aftercare or after-care or followup or follow-up or surveillance):ti (Word variations have been searched)
#24	((post-treatment or posttreatment) near/1 evaluation*):ti,ab,kw (Word variations have been searched)
#25	((post-treatment or posttreatment) near/1 care):ti,ab,kw (Word variations have been searched)
#26	((post-treatment or posttreatment) near/1 monitoring):ti,ab,kw (Word variations have been searched)
#27	MeSH descriptor: [Treatment Outcome] this term only
#28	(response near/2 assessment):ti,ab,kw (Word variations have been searched)
#29	(response near/2 criteria):ti,ab,kw (Word variations have been searched)
#30	MeSH descriptor: [Monitoring, Physiologic] this term only
#31	((followup or follow-up or surveillance) near/2 (schedule* or program* or protocol* or plan*)):ti,ab,kw (Word variations have been searched)
#32	MeSH descriptor: [Survivors] explode all trees
#33	survivorship:ti,ab,kw (Word variations have been searched)
#34	(holistic next need* next assess*):ti,ab,kw (Word variations have been searched)
#35	#22 or #23 or #24 or #25 or #26 or #27 or #28 or #29 or #30 or #31 or #32 or #33 or #34
#36	#21 and #35

D.11.4 Database: Web of Science Core Collection

Timespan=All years. Date of last search: 20th April 2017.

#	Searches
#15	#14 AND #7
#14	#13 OR #12 OR #11 OR #10 OR #9 OR #8
#13	TS=(("holistic need* assess*"))
#12	TS=(survivorship)
#11	TS=(((followup or follow-up or surveillance) NEAR/2 (schedule* or program* or protocol* or plan*)))
#10	TS=((response NEAR/2 (assessment or criteria)))
#9	TS=(((post-treatment or posttreatment) NEAR/2 (care or evaluation* or monitoring)))
#8	TI=((aftercare or after-care or followup or follow-up or surveillance))
#7	#6 OR #5 OR #2 OR #1

#	Searches
#6	TS=(islet* NEAR/5 (neoplasm* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*))
#5	#4 AND #3
#4	TS=(pancreas or pancreatic)
#3	TS=(acinar NEAR/5 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*))
#2	TS=(gastrinoma* or glucagonoma* or somatostatinoma* or insulinoma* or vipoma* or pancreatoblastoma*)
#1	TS=(pancrea* NEAR/5 (neoplasm* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*))

D.11.5 Database: AMED

Last searched on **OID AMED (Allied and Complementary Medicine) 1985 to present.**
 Date of last search: 20th April 2017.

#	Searches
1	exp Pancreatic neoplasms/
2	(pancrea\$ adj4 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
3	1 or 2
4	(aftercare or after-care or followup or follow-up or surveillance).m_titl.
5	((post-treatment or posttreatment) adj1 (care or evaluation* or monitoring)).mp.
6	((response adj2 (assessment or criteria)).tw.
7	((followup or follow-up or surveillance) adj2 (schedule\$ or program\$ or protocol\$ or plan\$)).mp.
8	survivorship.tw
9	(holistic adj need\$ adj assess\$).tw.
10	or/4-9
11	3 and 10

D.11.6 Database: PsycINFO

Last searched on **OID PsycINFO 1806 to present.** Date of last search: 20th April 2017.

#	Searches
1	exp Neoplasms/
2	exp PANCREAS/
3	1 and 2
4	(pancrea\$ adj4 (neoplas\$ or cancer\$ or tumo?r\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
5	3 or 4
6	(aftercare or after-care or followup or follow-up or surveillance).m_titl.
7	((post-treatment or posttreatment) adj1 (care or evaluation* or monitoring)).mp.
8	((response adj2 (assessment or criteria)).tw.
9	((followup or follow-up or surveillance) adj2 (schedule\$ or program\$ or protocol\$ or plan\$)).mp.
10	survivorship.tw
11	(holistic adj need\$ adj assess\$).tw.
12	or/6-11
13	5 and 12

D.12 Health Economics Global Search

D.12.1 Database: Medline

Last searched on **Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present**. Date of last search: 18th April 2017.

#	Searches
1	exp Pancreatic Neoplasms/
2	exp Carcinoma, Pancreatic Ductal/
3	exp Gastrinoma/
4	exp Glucagonoma/
5	exp Somatostatinoma/
6	exp Insulinoma/
7	exp Vipoma/
8	(pancrea\$ adj4 (neoplas\$ or cancer\$ or tumor?\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
9	(gastrinoma\$ or glucagonoma\$ or somatostatinoma\$ or insulinoma\$ or vipoma\$ or pancreatoblastoma\$).tw.
10	1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9
11	exp Carcinoma, Acinar Cell/
12	(acinar adj3 (neoplas\$ or cancer\$ or tumor?\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
13	11 or 12
14	exp Pancreas/
15	(pancreas or pancreatic).tw.
16	14 or 15
17	13 and 16
18	exp Adenoma, Islet Cell/
19	exp Carcinoma, Islet Cell/
20	(islet\$ adj3 (neoplas\$ or cancer\$ or tumor?\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).tw.
21	18 or 19 or 20
22	10 or 17 or 21
23	Economics/
24	"costs and cost analysis"/
25	Cost allocation/
26	Cost-benefit analysis/
27	Cost control/
28	Cost savings/
29	Cost of illness/
30	Cost sharing/
31	"deductibles and coinsurance"/
32	Medical savings accounts/
33	Health care costs/
34	Direct service costs/
35	Drug costs/
36	Employer health costs/

#	Searches
37	Hospital costs/
38	Health expenditures/
39	Capital expenditures/
40	Value of life/
41	exp economics, hospital/
42	exp economics, medical/
43	Economics, nursing/
44	Economics, pharmaceutical/
45	exp "fees and charges"/
46	exp budgets/
47	(low adj cost).mp.
48	(high adj cost).mp.
49	(health?care adj cost\$).mp.
50	(fiscal or funding or financial or finance).tw.
51	(cost adj estimate\$).mp.
52	(cost adj variable).mp.
53	(unit adj cost\$).mp.
54	(economic\$ or pharmacoeconomic\$ or price\$ or pricing).tw.
55	23 or 24 or 25 or 26 or 27 or 28 or 29 or 30 or 31 or 32 or 33 or 34 or 35 or 36 or 37 or 38 or 39 or 40 or 41 or 42 or 43 or 44 or 45 or 46 or 47 or 48 or 49 or 50 or 51 or 52 or 53 or 54
56	letter.pt.
57	editorial.pt.
58	historical article.pt.
59	57 or 56 or 58
60	55 not 59
61	22 and 60

D.12.2 Database: Health Technology Assessment

Last searched on **Health Technology Assessment Database: Issue 4 of 4, October 2016** via Wiley Online. Date of last search: 18th April 2017.

#	Searches
#1	MeSH descriptor: [Pancreatic Neoplasms] explode all trees
#2	MeSH descriptor: [Carcinoma, Pancreatic Ductal] explode all trees
#3	MeSH descriptor: [Gastrinoma] explode all trees
#4	MeSH descriptor: [Glucagonoma] explode all trees
#5	MeSH descriptor: [Somatostatinoma] explode all trees
#6	MeSH descriptor: [Insulinoma] explode all trees
#7	MeSH descriptor: [Vipoma] explode all trees
#8	(pancrea* near/4 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*)):ti,ab,kw (Word variations have been searched)
#9	(gastrinoma* or glucagonoma* or somatostatinoma* or insulinoma* or vipoma* or pancreatoblastoma*):ti,ab,kw (Word variations have been searched)
#10	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9
#11	MeSH descriptor: [Carcinoma, Acinar Cell] explode all trees
#12	(acinar near/3 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno*

#	Searches
	or metasta*)):ti,ab,kw (Word variations have been searched)
#13	#11 or #12
#14	MeSH descriptor: [Pancreas] explode all trees
#15	pancreas or pancreatic:ti,ab,kw (Word variations have been searched)
#16	#14 or #15
#17	#13 and #16
#18	MeSH descriptor: [Adenoma, Islet Cell] explode all trees
#19	MeSH descriptor: [Carcinoma, Islet Cell] explode all trees
#20	(islet* near/3 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*)):ti,ab,kw (Word variations have been searched)
#21	#10 or #17 or #18 or #19 or #20

D.12.3 Database: NHS Economic Evaluation Database

Last searched on **NHS Economic Evaluation Database: Issue 2 of 4, April 2015** via Wiley Online. Date of last search: 18th April 2017.

#	Searches
#1	MeSH descriptor: [Pancreatic Neoplasms] explode all trees
#2	MeSH descriptor: [Carcinoma, Pancreatic Ductal] explode all trees
#3	MeSH descriptor: [Gastrinoma] explode all trees
#4	MeSH descriptor: [Glucagonoma] explode all trees
#5	MeSH descriptor: [Somatostatinoma] explode all trees
#6	MeSH descriptor: [Insulinoma] explode all trees
#7	MeSH descriptor: [Vipoma] explode all trees
#8	(pancrea* near/4 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*)):ti,ab,kw (Word variations have been searched)
#9	(gastrinoma* or glucagonoma* or somatostatinoma* or insulinoma* or vipoma* or pancreatoblastoma*):ti,ab,kw (Word variations have been searched)
#10	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9
#11	MeSH descriptor: [Carcinoma, Acinar Cell] explode all trees
#12	(acinar near/3 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*)):ti,ab,kw (Word variations have been searched)
#13	#11 or #12
#14	MeSH descriptor: [Pancreas] explode all trees
#15	pancreas or pancreatic:ti,ab,kw (Word variations have been searched)
#16	#14 or #15
#17	#13 and #16
#18	MeSH descriptor: [Adenoma, Islet Cell] explode all trees
#19	MeSH descriptor: [Carcinoma, Islet Cell] explode all trees
#20	(islet* near/3 (neoplas* or cancer* or tumor* or tumour* or carcinoma* or malignan* or adeno* or metasta*)):ti,ab,kw (Word variations have been searched)
#21	#10 or #17 or #18 or #19 or #20

D.12.4 Database: Embase

Last searched on **OID Embase 1974 to 2017** April 17. Date of last search: 18th April 2017.

#	Searches
1	exp pancreas cancer/

#	Searches
2	gastrinoma/
3	glucagonoma/
4	somatostatinoma/
5	insulinoma/
6	vipoma/
7	(pancrea\$ adj4 (neoplas\$ or cancer\$ or tumor?\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).ti,ab.
8	(gastrinoma\$ or glucagonoma\$ or somatostatinoma\$ or insulinoma\$ or vipoma\$ or pancreatoblastoma\$).ti,ab.
9	or/1-8
10	exp acinar cell carcinoma/
11	(acinar adj3 (neoplas\$ or cancer\$ or tumor?\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).ti,ab.
12	10 or 11
13	exp pancreas/
14	(pancreas or pancreatic).ti,ab.
15	13 or 14
16	12 and 15
17	exp pancreas islet cell tumor/
18	(islet\$ adj3 (neoplas\$ or cancer\$ or tumor?\$ or carcinoma\$ or malignan\$ or adeno\$ or metasta\$)).ti,ab.
19	17 or 18
20	9 or 19
21	"Cost Benefit Analysis"/
22	"Cost Effectiveness Analysis"/
23	"Cost Minimization Analysis"/
24	"Cost of Illness"/
25	"Cost Control"/
26	"Cost Utility Analysis"/
27	Economic Aspect/
28	"COST"/
29	Financial Management/
30	"Health Care Cost"/
31	exp "Hospital Cost"/
32	Economic Evaluation/
33	Health Economics/
34	(fiscal or financial or finance\$ or funding).tw.
35	(cost adj estimate\$).tw.
36	(cost adj variable\$).tw.
37	(unit adj cost\$).tw.
38	(health?care adj cost\$).tw.
39	(economic\$ or price\$ or pricing).tw.
40	31 or 27 or 37 or 22 or 21 or 38 or 36 or 33 or 26 or 23 or 29 or 32 or 34 or 35 or 28 or 24 or 39 or 30 or 25
41	letter.pt.
42	editorial.pt.
43	42 or 41

#	Searches
44	40 not 43
45	20 and 44