

## Guideline topic: Control of pain in patients with cancer (2008 review).

### **General comments**

Searches were all initially limited to literature specific to cancer pain. In some areas (eg side effects of drugs, dose calculations for opioids) searches were later extended to include non-cancer pain.

As different questions were allocated to different group members, there was not attempt to remove duplicates found in the different sub searches until group members had reviewed results and made their selections.

### **Search coverage**

#### **Patient searches**

Databases covered:

CINAHL

Embase

Medline

Psychinfo

Dates covered:

2000 2005

#### **Guidelines**

GIN Web site

National Guidelines Clearinghouse

NeLH Guidelines Finder

NICE Web site

Guidelines evaluated using AGREE instrument:

None.

Embase 2000 2005

Medline 2000 2005

#### **Systematic reviews**

Databases covered:

AMED

CINAHL

Cochrane Library

Embase

Medline

Psychinfo

Dates covered:

1997 May 2006

#### **RCTs**

Databases covered:

AMED

CCTR

Embase

Medline

Psychinfo

Dates covered:

1997 June 2006

<b>Observational studies</b>	
Databases covered:	Dates covered:
AMED	1997 June 2006
CCTR	
CINAHL	
Embase	
Medline	
Psychinfo	
<b>Economic studies</b>	
Databases covered:	Dates covered:
NEED	1997 June 2006
<b>Search strategies</b>	

The following are listings of the main Medline strategies used for this guideline. All conventions and symbols are from the Ovid implementation of Medline. Strategies used in other databases were substantially the same, though different terminology may have been used to take account of different thesaurii used in non-Medline databases.

Search filters were added to identify studies of a particular type (guideline, systematic review, etc.) Listings of the search filters used by SIGN can be found on the SIGN Web site.

**\*\*\*Patient Stem (used in all searches. Limited to lines 3 to 11 when topic broadened to non-cancer pain):**

- 1 cancer pain.mp.
- 2 (pain adj2 (cancer\$ or tum?\$ or neoplas\$ or carcinoma\$ or sarcoma\$ or adenocarcinoma\$ or metastas\$ or malignan\$ or blastoma\$ or lymphoma\$)).mp.
- 3 \*Pain/
- 4 \*pain, intractable/
- 5 neuropathic pain.mp.
- 6 nociceptive pain.mp.
- 7 visceral pain.mp.
- 8 mixed pain.mp.
- 9 Breakthrough pain.mp.
- 10 exp Complex Regional Pain Syndromes/
- 11 or/3-10
- 12 exp \*Neoplasms/
- 13 11 and 12
- 14 or/1-2,13

**\*\*Pain assessment**

- 15 Pain measurement/
- 16 pain diar\$3.mp.
- 17 Pain assessment.mp.
- 18 assessment adj2 pain.mp.
- 19 pain inventor\$.mp.
- 20 pain scor\$3.mp.
- 21 or/15-20
- 22 14 and 21

**\*\*Spiritual beliefs**

- 23 religion/ or buddhism/ or christianity/ or hinduism/ or islam/ or judaism/ or religious philosophies/
- 24 taois\$.mp.
- 25 muslim.mp.
- 26 moslem.mp.
- 27 islam\$.mp.
- 28 religious belief.mp.
- 29 prayer\$.mp.
- 30 exp "religion and psychology"/
- 31 or/1-8
- 32 pain/ or pain, intractable/
- 33 chronic pain.mp.
- 34 32 or 33
- 35 14 and 31 and 34

**\*\*Interaction between patient and health care worker**

- 36 pain diar\$.mp.
- 37 patient held record.mp.
- 38 "Continuity of Patient Care"/
- 39 exp Medical Records/
- 40 comprehensive health care/ or patient care planning/ or patient-centered care/ or progressive patient care/ or patient care team/
- 41 critical pathways/ or patient selection/ or point-of-care systems/
- 42 exp professional-patient relations/ or nurse-patient relations/
- 43 exp interpersonal relations/
- 44 or/36-43
- 45 14 and 44

**\*\*Compliance with treatment**

- 46 Anxiety
- 47 Exp anxiety disorders/
- 48 Depression/
- 49 Depressive disorder/ or Depressive disorder, major/ or dysthymic disorder/
- 50 activity level\$.mp.
- 51 exp adaptation, psychological/
- 52 self efficacy/
- 53 control belief\$.mp.
- 54 attitude to health/
- 55 attitude to death/
- 56 patient compliance/
- 57 treatment refusal/
- 58 compliance adj2 treatment.mp.
- 59 concordance adj2 treatment.mp.
- 60 adherence adj2 treatment.mp.
- 61 or/46-60
- 62 14 and 61

**\*\*Complementary therapies**

- 63 exp Electrical stimulation therapy/
- 64 TENS.ti.
- 65 63 or 64
- 66 Aromatherapy/
- 67 aromatherapy\$.mp.
- 68 aroma therap\$.mp.
- 69 exp oils, volatile/
- 70 essential oil\$.mp.
- 71 or/66-70
- 72 Massage/
- 73 reflexology/

74	or.72-73
75	Medicine, herbal/
76	exp Plant preparations/
77	Plants, medicinal/
78	Herb-drug interactions/
79	Drugs, Chinese herbal/
80	herbalism.mp.
81	or/75-80
82	Homeopathy/
83	Formularies, homeopathic/ or Pharmacopoeias, homeopathic/
84	homeopath\$.mp.
85	Holistic health/
86	or/82-85
87	65 or 71 or 74 or 81 or 86
88	14 and 87
<b>**Non-opioid drugs</b>	
89	Exp Anticonvulsants/
90	Exp Antidepressive agents/
91	Antidepress\$.mp.
92	exp Parasympatholytics/
93	antispasmodic\$.mp.
94	Buscopan.mp.
95	Baclofen.mp.
96	Benzodiazepines/
97	gamma-Aminobutyric Acid/
98	gabapentin.mp.
99	Anti-Inflammatory Agents, Non-Steroidal/
100	Tramadol/
101	Acetaminophen/
102	Paracetamol.mp.
103	Pregabalin.mp.
104	Exp steroids/
105	Or/89-104
106	14 and 105
<b>**Buprenorphine</b>	
107	*Buprenorphine/ae,to
108	Buprenorphine/
109	Respiratory depression/ci
110	108 and 109
111	107 or 110
<b>**Opioids</b>	
112	Exp analgesics, opioid/
113	Heroin/
114	112 opr 113
115	14 and 114
<b>**Topical analgesics</b>	
116	Exp Analgesics, opioid/
117	Skin absorption/
118	Transdermal patch\$.mp.
119	topical.mp.
120	Administration, topical/
121	Or/116120
122	14 and 121
<b>**Conversion ratios and opioid switching</b>	
123	Exp analgesics, opioid/
124	Conversion ratio\$.mp.
125	Opioid switch\$.mp.

126	Dose reduction.mp.
127	or/124-126
128	123 and 127
<b>**Drug compatability</b>	
129	Heroin/
130	Diamorphine.mp.
131	129 or 130
132	*Morphine/
133	*Oxycodone/
134	*Hydromorphone/
135	Drug incompatibility/
136	Drug stability/
137	Compatibility.mp.
138	or/135-137
139	131 and 138
140	132 and 138
141	133 and 138
142	134 and 138
<b>**Anaesthetics</b>	
143	Exp anesthesia/
144	Exp anesthetics/
145	Exp hypnotics and sedatives
146	Anesthe\$.mp.
147	Anaesthe\$.mp.
148	Nitrous oxide plus oxygen/
149	Entonox
150	Or/143-149
151	14 and 150
<b>**Surgical intervention</b>	
152	splanchnectomy.mp.
153	splanchnic nerve block.mp.
154	*Splanchnic Nerves/su [Surgery]
155	splanchnic nerves/
156	nerve block/
157	155 and 156
158	154 or 157
159	coeliac plexus block.mp.
160	(celiac adj2 block).mp.
161	159 or 160
162	Celiac Plexus/
163	156 and 162
164	or/152, 153, 158, 161,163
165	14 and 164
<b>**Renal impairment</b>	
166	Exp Renal insufficiency/
167	Renal impairment.mp.
168	Impaired renal function.mp.
169	Renal failure.mp.
170	Kidney failure.mp.
171	CKD.mp.
172	Or/166-171
173	Exp Analgesics, opioid/
174	172 and 173
<b>**Laxatives</b>	
175	Exp cathartics/
176	Laxative\$.mp.
177	175 or 176

178	115 and 177
<b>**Ketamine</b>	
179	Ketamine/
180	14 and 179
<b>**Bisphosphonates</b>	
181	Exp disphosphonates/
182	Bisphosphonate\$.mp.
183	14 and (181 or 182)
<b>**Breakthrough pain</b>	
184	Breakthrough pain.mp.
185	Spontaneous pain.mp.
186	Indident pain.mp.
187	Or/184-186
188	(106 or 115) and 187)
<b>**Psychological interventions</b>	
189	Exp behavior therapy/
190	Cognitive behavi?r therap\$.mp.
191	CBT.mp.
192	Predictor adj2 pain.mp.
193	Anxiety/dt, th, pc, dh
194	Depression/dt,th,pc,dh
195	Patient education/
196	Patient information.mp.
197	Or/189-196
198	14 and 197