

## Guideline topic: Chronic Pain Refresh

### General comments

Sections 5.3 (opioids) of SIGN 136 to be updated

Questions 5 and 6 from SIGN 136 to be updated:

5. In patients with chronic non-malignant pain are opioids effective compared with placebo or other interventions in pain scores (30% reduction and 50% reduction), functional ability, quality of life, adverse events/drug reactions, dependency (physiological or psychological)? Interventions: morphine, oxycodone, hydromorphone, buprenorphine, fentanyl, methadone, meptazinol, tapentadol, targinact, codeine, dihydrocodeine, tramadol, cocodamol and codydramol

Diamorphine (additional to original kq)

Exclude: parenteral and neuraxial administration

6. Are there benefits and harms associated with high dose opioid versus low dose opioid use in patients with chronic non-malignant pain? Consider: efficacy, pain potentiation, addiction, adverse drug reactions

### Search coverage

#### Systematic reviews

Databases covered: **Medline, Embase, Cochrane**

Dates covered: to 25 Jun 2018

Total hits: 439

Sifted result: 55

Papers requested: 37

#### RCTs

Databases covered: **Medline, Embase, CINAHL, PsycINFO, Cochrane**

Dates covered: (with variations depending on topic; see Scope of Searches below)

Total hits:

Sifted result:

Papers requested:

#### Observational studies/ Searches without filter

Databases covered: **Medline, Embase, CINAHL, PsycINFO**

Dates covered:

Total hits:

Sifted result:

Papers requested:

#### Supplementary searches

Databases covered:

Dates covered:

Total hits:

Sifted result:

Papers requested:

## Search strategies

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 thesauri used in non-Medline databases.

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

### Medline search strategy:

1. exp Chronic Pain/
2. exp Pain/
3. exp Chronic Disease/
4. 2 and 3
5. (chronic adj3 pain).tw.
6. (chronic adj2 long\*).tw.
7. 1 or 4 or 5 or 6
8. exp Analgesics, Opioid/
9. exp Narcotics/
10. exp Morphine/
11. exp Buprenorphine/
12. exp Fentanyl/
13. exp Methadone/
14. exp Meptazinol/
15. exp Tramadol/
16. exp Heroin/
17. tapentadol.tw.
18. opioid\*.tw.
19. (buprenorphine\* or codeine\* or DHC or diamorphine\* or fentanyl\* or hydromorphone\* or meptazinol\* or methadone\* or morphine\* or oxycodone\* or tramadol\*).tw.
20. (cocodamol or co-codamol or co codamol or codydramol of co-dydramol or co dydramol).tw.
21. or/8-20
22. 7 and 21

### Scope of searches for RCTs and observational studies

KQ	Type of studies	Date range	Initial recall	Sifted result

Medline Search strategies used for specific key questions:

#### AE stem

#### AE stem

#### CP 2018 update

#### 1. exp Drug Misuse/

- 2. Addiction Medicine/**
- 3. Substance-Related Disorders/**
- 4. exp Opioid-Related Disorders/**
- 5. Hyperalgesia/**
- 6. exp Drug Tolerance/**
- 7. ae.fs.**
- 8. or/1-7**
- 9. opioid induced hyperalgesia.tw.**
- 10. (opioid adj3 misuse).tw.**
- 11. adverse effect\*.ti.**
- 12. harm\*.ti.**
- 13. or/9-12**
- 14. 8 or 13**