



2012 EAPC RECOMMENDATIONS distinctive features

- Evidence based: 18 systematic reviews (Palliative Medicine 2011)
- GRADE system
- Obtained through an international consensus
- Indipendence warranted by European funding and EAPC endorsement.
- To be used and adapted to local needs all over the world

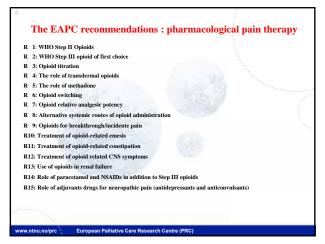
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Guidelines update process

- New topics will be added and appropriate PICOs will be defined.
- · The GRADE method will be followed
- The AGREE criteria will be pursued in order to ensure quality; in particular a wider involvement of other stakeholders will be used to contribute in the GL development.
- The guidelines will be updated every three years last release 2012 updated to 2009
- Present searches cover up to 2014

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The EAPC recommendations: pharmacological pain therapy

R:--WHO Step I

R:--Role of steroids

R:--Role of ketamine

R:--Tapendadol

R:--Oxycodone/naloxone

R:--Role of bisphosphonates and Denosumab for bone pain

For patients with mild to moderate pain or whose pain is not adequately controlled by paracetamol or an NSAID given regularly by mouth, the addition of a Step II opioid (e.g. codeine or tramadol) (table 1) given orally might achieve good pain relief without troublesome adverse effects. Alternatively low doses of a Step III opioid (eg, morphine or oxycodone) may be used instead of codeine or tramadol. The data permit a weak recommendation to start a Step II opioid in these circumstances.

Updated by Marco Maltoni Davide Tassinari Final formulation to be decided

WHO STEP III OPIOID OF FIRST CHOICE (proposed new formulation)

The data show no important differences between morphine, oxycodone and hydromorphone given by the oral route and permit a strong recommendation that any one of these three drugs can be used as the first choice Step III opioid for moderate to severe cancer pain.

Updated A. Pigni et al Milan

-Mercadante et al 2010 -Yu S et al 2014 -Riley J et al 2014 -Kamboj et al 2014

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OPIOID TITRATION

The data permit a weak recommendation that immediate-release and oral slow-release oral formulations of morphine, oxycodone and hydromorphone can be used for dose titration. The titration schedules for both types of formulation should be supplemented with oral immediate-release opioids given as needed.

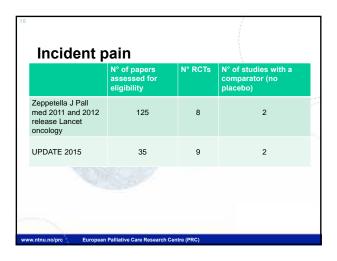
Updated P. Klepstdad

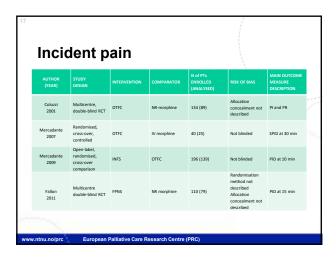
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The data permit a strong recommendation that pain exacerbations resulting from uncontrolled background pain should be treated with additional doses of immediate release oral opioids and that an appropriate titration of around-the-clock opioid therapy should always precede the recourse to potent rescue opioid analgesics. Breakthrough pain (eg, incident pain) can be effectively managed with oral, immediate release opioids or with buccal or intranasal fentanyl preparations. In some cases buccal or intranasal fentanyl preparations are preferable to the immediate-release oral opioids because of more rapid onset of action and shorter duration of effect. Additionally, the data permit a weak recommendation that immediate - release formulations of opioids with short half-lives should be used to treat pre-emptively predictable episodes of breakthrough pain in the 20-30 min preceding the provoking manoeuvre. Updated G. Zeppetella

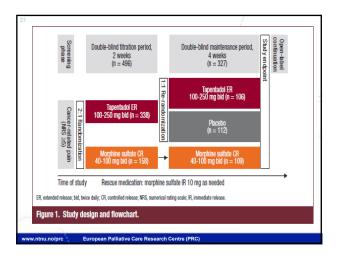


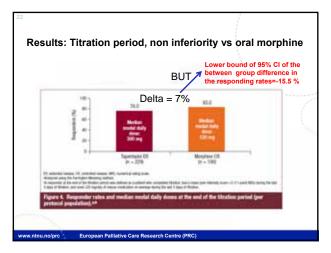


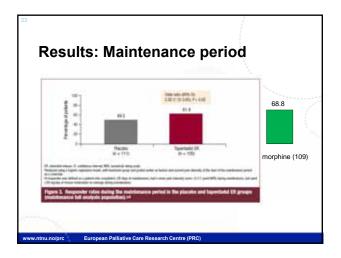
New formulations/drugs In adult patients with moderate to severe pain directly due to cancer, which is the evidence that oral tapentadol is better than placebo, or other oral/transdermal opioids in the management of pain? In adult patients with moderate to severe pain directly due to cancer, which is the evidence that the combination of oxycodone with naloxone is better than placebo, or other oral/transdermal opioids in the management of pain and/or constipation?

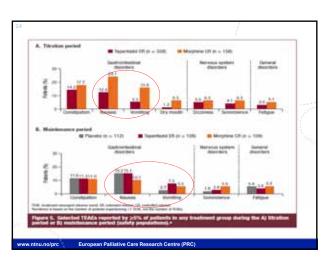
Author year	Study design	comparator	N patients enrolled analyzed
lmanaka K 2013	DB RCT	Oxycodone SR	343 (265)
Kress HG 2014	DB RCT	Placebo Oral Morphine	496 (327)
lmanaka K 2014	RCT open label	Oral Morphine	100
Mercadante S 2012	Observational	-	Opioid naive 50
Mercadante S 2013	Observational	-	Opioid tolerant 37
Mercadante S 2014	Observational	-	Opioid tolerant 30
Mercadante S 2012	Case report	-	1 Methadone
Schikowski A 2015	Observational	-	123 43% on opioids

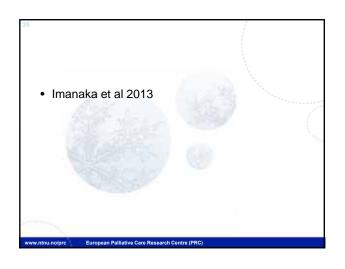


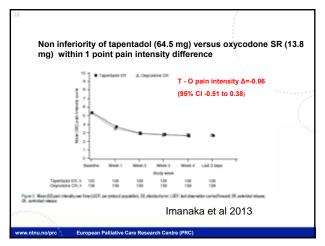








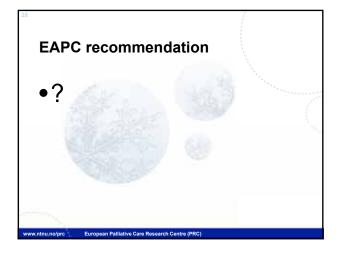




Tapendadol summary of available evidences

- 2 RCTs with double blind control
- · Non inferiority with low dose Oxycodone
- Non inferiority with morphine not clearly demonstrated
- Data suggest that morphine can be more effective
- Clinical experience suggest that in some opiod tolerant patients it can be used with a ratio with oral morphine ofabout 3:1 with benefit up to about 500 mg per day
- It can induced less nausea/vomiting than morphine

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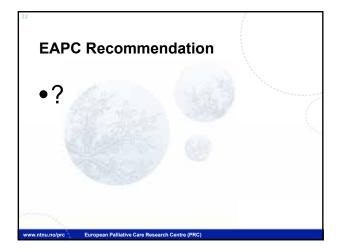
Oxycodone/naloxone combinations Author Study design Comparator In patints included /analysed Meissner W 2009 RCT DB CR Oxycodone Ahmedzai S 2012 RCT DB CR Oxycodone 185 cancer (133) Maximum approved dose 80/40 mg /day

Oxy/naloxone summary of available evidences It reduces opiod induced costipation One RCT in cancer patients at mean doses of 46.6 (22.6 SD) mg of OXN and of 43.1 (19.1 SD) of CR Oxycodone it was non inferior to oxycodone with very narrow non inferiority bound (- 0.47) Its analgesic efficay in opiod tolerant patients using higher doses and for longer periods of time is unknown Case reports of antagonism of opiod analgesia have been reported

Oxy/naloxone open questions

- Dose equivalent to about 60 mg of oral morphine (40 mg oxycodone) have been tested in one RCT in cancer pain and can be considered a 1st level of WHO Step III dose. What happens at higher doses up to 80 mg oxycodone?
- In practice people combines oxycodone or other drugs with the highest doses of Oxy/Nal. What happens to overall opiod analgesia/tolerance?
- What happens when switching from higher doses of Oxy/Nal to another opioid or parenteral morphine

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Bisphosphonates and denosumab

- · Josep Porta and collaborators
 - 1585 retrieved papers were screened
 - 1471 were discarded based on abstract review as ineligible
 - 106 were examined in full
 - 35 eligible papers

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Role of Bisphosphonates and denosumab for bone cancer pain

Form the data available, we can conclude that the evidence of the analgesic role of BP and denosumab is weak, since more trials support the effect of BP and denosumab in preventing pain throught the delay of bone painful events than producing an analgesic effect per se.

In terms of clinical recommendations, cancer patients with a long life expectancy (months to years) could benefit for the administration of BP or denosumab in terms of sparing painful events, but for patients with a shorter prognosis time to live (weeks or few months) the prescription of BP or denosumab can be seen at least controversial since there is no clear evidence to support adding a potential burdersome, harmful and expensive treatment with no clear symptomatic benefit.

J. Porta and co. Conclusions from submitted review article

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Role of steroids for cancer pain

- New topic Ørnhulf Paulsen
 - SYSTEMATCI REVIEW 2013
 - CLINICAL TRIAL 2014
 - UPDATE OF LITERATURE REVIEW
 - COCHRANE REVIE 2015



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Steroids conclusions

- Weak evidence for analgesic effect in the 1st week of treatment in two adequately designed trials
- One negative trial

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