

**PAIN DOSE OF MORPHINE WILL ALSO TREAT BREATHLESSNESS. DO NOT PRESCRIBE 2 SEPARATE DOSES TO TREAT PAIN AND BREATHLESSNESS**

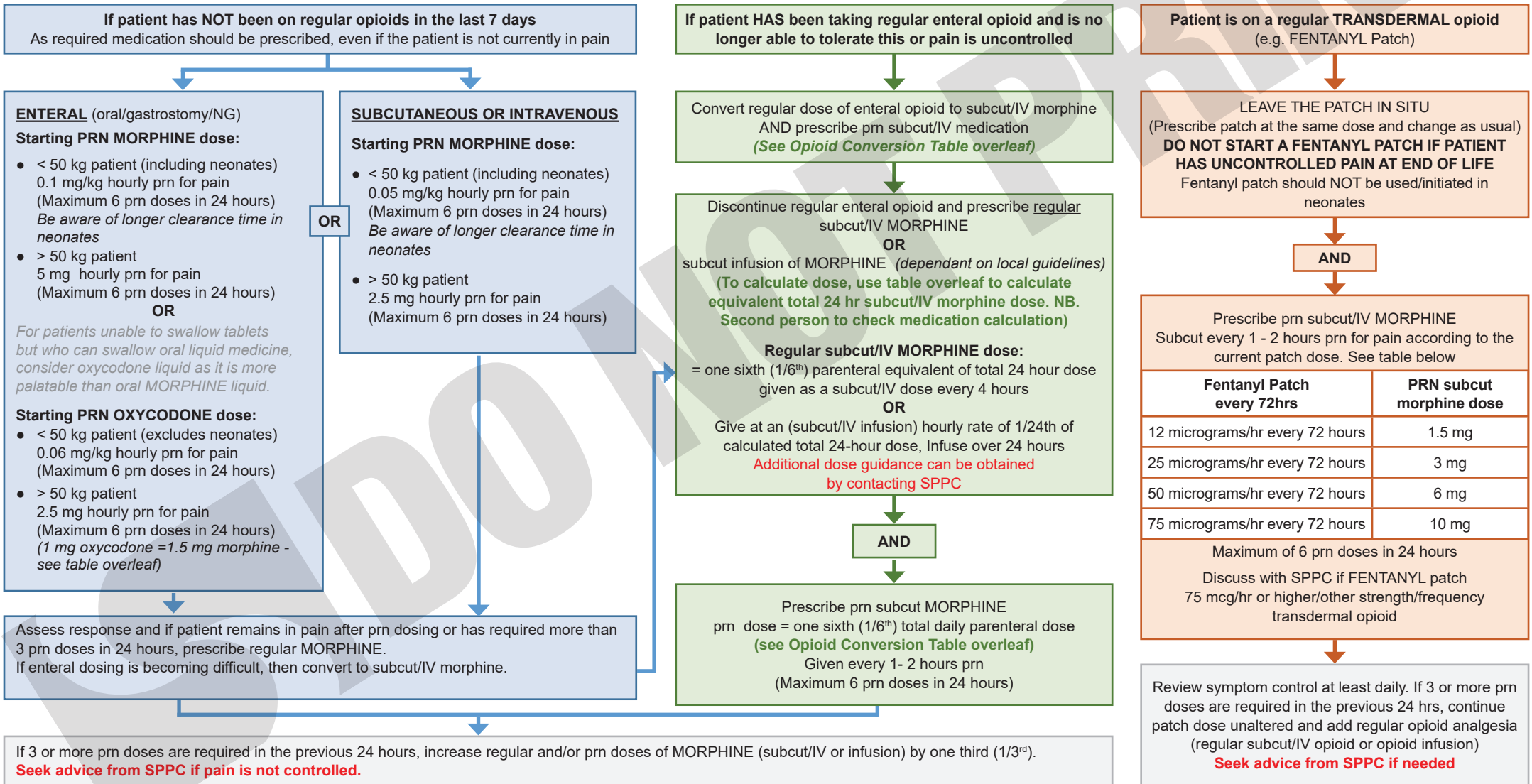
**Assess patient in the last days of life a minimum of every 4 hours** to allow existing and emerging symptoms to be detected, assessed and treated effectively.

- Use the *Comfort Observation Symptom Assessment: Paediatric and Neonatal (COSA: P&N)* to document assessments
- In addition to pharmacological measures implement non-pharmacological measures to manage pain. Environmental considerations may include: decrease room lighting and noise, increase airflow (including handheld fan), position to maximise comfort (consider pressure relieving mattress), the presence of parents/carers including kangaroo cuddles, favourite toys, books, music, electronics that are developmentally appropriate. Rationalise visitor numbers
- Consider and manage other causes of pain such as urinary retention or symptoms which may present as pain such as distress related to anxiety and fear

**Route of medication administration**

- Enteral:** whilst the patient is able to tolerate this, the enteral route (oral/buccal/gastrostomy/naso-gastric [NG]) is preferred. (NB: absorption will be slower with enteral administration in the last days of life). If patient experiences acute, severe pain then subcutaneous (subcut) or intravenous (IV) route of administration is preferred
- Subcut or IV:** consider using subcut route of administration or use IV access [Intravenous Cannula (IVC)/Central Venous Access Device (CVAD)] if available as per local policy. In tertiary children's hospitals, consider local IV/subcut infusion guidelines. Avoid intramuscular injections
- For the majority of patients in the last days of life, MORPHINE should be used as the first line opioid (check allergies). Discuss with SPPC (including out of hours) regarding alternative opioid choices

**IF YOU HAVE DOUBTS OR CONCERNS, CONTACT A SPECIALIST PAEDIATRIC PALLIATIVE CARE SERVICE (SPPC) VIA ANY OF THE NSW CHILDREN'S HOSPITAL'S SWITCHBOARDS (INCLUDING OUT OF HOURS)**



**For management of adverse effects of excess opioid DO NOT give an opioid antagonist (e.g. naloxone), as this may precipitate uncontrolled pain and/or opioid withdrawal symptoms. Please seek URGENT advice from SPPC for medication excess management.**

# OPIOID CONVERSION PATHWAY

**N.B. Second person must check medication calculation**

CONVERTING TO ORAL MORPHINE		
Oral to oral	Conversion ratio	Example
Oxycodone to morphine	1:1.5	Oral oxycodone 1 mg = oral morphine 1.5 mg
HYDROmorphine to morphine	1:5	Oral HYDROmorphine 1 mg = oral morphine 5 mg

OPIOID CONVERSION: ORAL TO SUBCUTANEOUS (subcut) /INTRAVENOUS (IV) - same drug to same drug			
Oral	Subcut/IV	Conversion ratio	Example
Morphine	Morphine	3:1	Oral morphine 15 mg = subcut/IV morphine 5 mg
Oxycodone	Oxycodone	3:1	Oral oxycodone 15 mg = subcut/IV oxycodone 5 mg
HYDROmorphine	HYDROmorphine	3:1	Oral HYDROmorphine 3 mg = subcut/IV HYDROmorphine 1 mg

**MORPHINE DOSING EXAMPLE**  
**To calculate patient's total daily dose and conversion to subcut/IV**  
 Patient (25 kg) currently prescribed 15 mg dose of regular oral morphine and has received a total 7.5 mg PRN subcut morphine in last 24 hours

