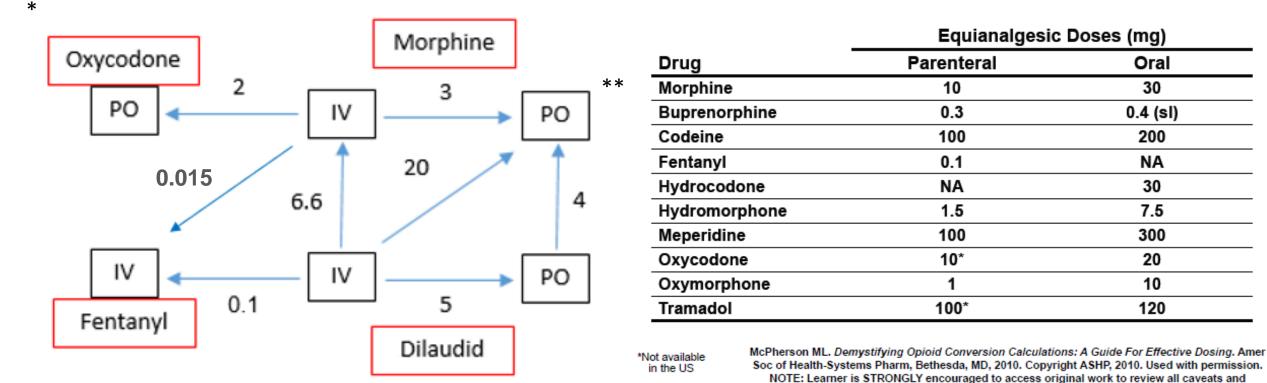
General Principles of Opiate Conversion

- Analgesic equivalence of opiates, is doses of different opiates which are considered equivalent in the degree of pain relief provided.
- Analgesic equivalence of specific opiates is based on estimates derived from pain management literature and is therefore subject to change over time
- Analgesic equivalence ratios can be used to ensure patients receive appropriate opiate dosing for acute and/or chronic pain
- Many different methods/conversion factors exist which may provide similar or approximately similar results
- When switching to a different pain medication in an opiate tolerant individual (someone using approximate daily opiate dose > 60mg oral morphine equivalents (OME)) the administered medication dose should be reduced by 25-50% of a calculated equivalent dose as a new opiate is likely to be somewhat more potent than the medication the patient is accustomed to
- For uncontrolled pain, you may consider using the dose directly as converted with attention to patient's response to pain medication
- If you are unsure about a specific medication conversion or a safe opiate dosing strategy for a patient, especially for patients on high dose opiates, consult a clinical pharmacist, pain specialist, or palliative care specialist to ensure that dosing is appropriate

Opioiod Conversion Examples and Equianalgesic Dosing



^{*}Adapted from http://sinaiem.org/wp-content/uploads/2018/12/Capture.png

- To convert opiate doses multiply by the coefficient in the direction of the arrow to convert from one opiate dose to an equivalent dose of a different opiate. If going in the opposite direction of the arrow divide by the coefficient to perform the conversion.
- 10mg IV morphine x 3 = 30mg of PO morphine 1.5mg IV dilaudid x 6.6 = 10mg of IV morphine 10mg IV morphine x 0.015 = 0.150mg (150 μg) IV fentanyl

10mg PO oxycodone ÷ 2 = 5mg IV morphine 30mg PO morphine ÷ 20 = 1.5 mg IV dilaudid 1.5mg IV dilaudid x 5 = 7.5mg PO dilaudid

explanations pertaining to this chart.

- Combined Conversions: 40 mg PO oxycodone \div 2 = 20mg IV morphine x 3 = 60mg of PO morphine
- **Oral morphine and hydrocodone are 1:1 so conversion to/from oral morphine or hydrocodone is the same process