### Opioids

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<tr>
<th>Generic Name &amp; Available Strengths</th>
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| **FENTANYL CITRATE** 50 mcg/mL |            | • continuous infusion – titrate  
• +/- intermittent injection for BTP  
• 7-day expiry for diluted solutions protected from light |
| **HYDROMORPHONE HCl**  
HP – 10 mg/ml  
HP Plus – 20 mg/ml  
XP – 50 mg/ml + sterile powder | Dilaudid | • intermittent injection +/- continuous infusions  
• can be irritating with ↑ concentration & ↑ volume of injection  
• 30-day expiry for diluted solutions |
| **MORPHINE SO4**  
2, 10, 15 & 50 mg/mL |            | • intermittent injection +/- continuous infusion  
• 30-day expiry when diluted |
| **OXYCODONE HCl** | | • not commercially available in Canada  
• intermittent injection +/- continuous infusion  
• conc. > 50 mg/mL are irritating (irritation ↑ with ↑ volume & conc.)  
• 30-day expiry when diluted |

### Sedatives

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| **HALOPERIDOL**  
5 mg/mL | Haldol | • do NOT dilute with normal saline |
| **LORAZEPAM**  
4 mg/mL | Ativan | • refrigerate ampoules |
| **LOXAPINE**  
50 mg/mL | Loxapac | • if administering small volumes: dilute further with sterile water for injection or use a dedicated primed butterfly site |
| **METHOTRIMEPRAZINE**  
25 mg/mL | Nozinan | • burns – administer slowly |
| **MIDAZOLAM**  
5 mg/mL | Versed | • prn +/- continuous infusion – titrate  
• 14-day expiry for diluted solutions |

### Anti-Nauseants (See also Miscellaneous & Sedatives sections)

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| **DIMENHYDRINATE**  
50 mg/mL | Gravol | • irritating – give slowly |
| **METOCLOPRAMIDE**  
5 mg/mL | Maxeran  
Reglan | • intermittent +/- continuous infusion  
• irritating for some patients  
• administer slowly & rotate sites  
• 48-hour expiry for diluted solutions |
| **ONDANSETRON**  
2 mg/mL | Zofran | |
| **PROCHLORPERAZINE**  
5 mg/mL | Stemetil | • irritating |
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<td><strong>GI Medications</strong></td>
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| FAMOTIDINE 10 mg/mL               | Pepcid     | • intermittent  
• refrigerate ampoules |
| HYOSCINE BUTYLBROMIDE 20 mg/mL    | Buscopan   | • intermittent +/− continuous infusion |
| OCTREOTIDE (SOMATOSTATIN ANALOGUE) 100, 200, & 500 mcg/mL | Sandostatin | • refrigerate ampoules  
• rotate sites to minimize pain |
| RANITIDINE 25 mg/mL               | Zantac     | • intermittent |
| **Miscellaneous**                 |            |          |
| BENZTROPINE 1 mg/mL               | Cogentin   | • intermittent |
| CALCITONIN 200 iiu/mL             | Calcinar   | • refrigerate ampoules  
• intermittent |
| CLODRONATE 30, 60 mg/mL           | Bonefos Ostac | • 1500 mg in 250 mL D5W or NS over 4 hours  
(for hypercalcemia, NS is preferred – consider using 500-1000 mL to optimize hydration)  
• 12 – 24 hour expiry depending on product  
• can be irritating (less with conc.) |
| DEXAMETHASONE 4, 10 mg/mL         | Dexasone Decadron | • irritating: administer slowly  
• precipitates other medications |
| ERYTHROPOIETIN 2000 u/0.5 mL or 4000 u/0.4 mL | Eprex | • refrigerate |
| FUROSEMIDE 10 mg/mL              | Lasix      |          |
| MAGNESIUM SULFATE 500 mg/mL       |            | • only by large volume infusion |
| NALOXONE 0.4 mg/mL               | Narcan     | • onset slightly slower than IV  
(2 – 5 min. vs. 1 – 2 min.) |
| PHENOBARBITAL 30, 120 mg/mL       |            |          |
| POTASSIUM CHLORIDE 2 mEq/mL       | KCl        | • can be irritating  
• **ONLY** be large volume infusion |
| SCOPOLAMINE (HYOSCINE HBr) 0.4, 0.6 mg/mL | | |

**REMEMBER:** For referrals, questions, or telephone consultations call 496-1300 weekdays and weekends.

*Palliative Care Tips are now available on our Website: www.palliative.org*