

## Enteral Drug Administration

**Do NOT Crush medications that contain these suffixes: 12-hour, 24-hour, CC, CD, CR, ER, LA, Retard, SA, Slo-, SR, XL, XR, XT, EN, or EC**

| generic (Brand)                           | Comments/Recommendations                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>A</b> <i>Actonel - see risedronate</i> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| acyclovir<br>(Zovirax)                    | <ul style="list-style-type: none"> <li>• Comments and Considerations: Commercially available suspension combined with Osmolite resulted in clogging 8 Fr, but not 20 Fr feeding tubes</li> <li>• Recommendations for Administration with Enteral Nutrition: Disperse tablet in 20 mL water. Do NOT administer suspension through feeding tube.</li> </ul>                                                                                                        |
| alendronate<br>(Fosamax)                  | <ul style="list-style-type: none"> <li>• Comments and Considerations: Do NOT crush tablets as a mucosal irritant.</li> <li>• Recommendations for Administration with Enteral Nutrition: Use once-weekly tablet dispersed in 60 mL of mineral-free water. Consider holding tube feeding for 30 minutes before and 30 minutes after. Patient should remain upright to prevent esophageal damage caused by reflux.</li> </ul>                                       |
| amoxicillin<br>(Amoxil)                   | <ul style="list-style-type: none"> <li>• Comments and Considerations: Avoid crushing any sustained-released product</li> <li>• Recommendations for Administration with Enteral Nutrition: Use the suspension from reconstituted powder and further dilute 1:1 prior to administration.</li> </ul>                                                                                                                                                                |
| atomoxetine<br>(Strattera)                | <ul style="list-style-type: none"> <li>• Comments and Considerations: Do NOT open capsule as contents are an ocular irritant</li> <li>• Recommendations for Administration with Enteral Nutrition: Do NOT administer through feeding tube. Use therapeutic alternative.</li> </ul>                                                                                                                                                                               |
| atovaquone<br>(Mepron)                    | <ul style="list-style-type: none"> <li>• Comments and Considerations: AUC significantly greater with enteral feed compared to fasting</li> <li>• Recommendations for Administration with Enteral Nutrition: No dose adjustment required, but needs to be administered with tube feedings for maximal absorption</li> </ul>                                                                                                                                       |
| <i>Avelox - see moxifloxacin</i>          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <i>Avodart - see dutasteride</i>          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>B</b> <i>Belviq - see lorcaserin</i>   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| benzonatate<br>(Tessalon Perles)          | <ul style="list-style-type: none"> <li>• Comments and Considerations: Do NOT alter integrity of dosage form. Mucosal irritant</li> <li>• Recommendations for Administration with Enteral Nutrition: Do NOT administer through feeding tube. Use therapeutic alternative.</li> </ul>                                                                                                                                                                              |
| <i>Boniva - see ibandronate</i>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| budesonide<br>(Entocort EC)               | <ul style="list-style-type: none"> <li>• Comments and Considerations: Do NOT crush tablets, ER formulation</li> <li>• Recommendations for Administration with Enteral Nutrition: Do NOT administer through feeding tube. Use therapeutic alternative.</li> </ul>                                                                                                                                                                                                 |
| buprenorphine<br>(Subutex)                | <ul style="list-style-type: none"> <li>• Comments and Considerations: Tablets are intended for SL administration</li> <li>• Recommendations for Administration with Enteral Nutrition: Consider therapeutic alternative (transdermal, parenteral)</li> </ul>                                                                                                                                                                                                     |
| buPROPion<br>(Wellbutrin)                 | <ul style="list-style-type: none"> <li>• Comments and Considerations: Do NOT crush SR or ER tablets.</li> <li>• Recommendations for Administration with Enteral Nutrition: If no therapeutic alternative, use immediate-release tablet</li> </ul>                                                                                                                                                                                                                |
| <b>C</b> <i>Calan - see verapamil</i>     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| calcium acetate<br>(PhosLo)               | <ul style="list-style-type: none"> <li>• Comments and Considerations: Therapeutic effect requires drug be taken with food.</li> <li>• Recommendations for Administration with Enteral Nutrition: Suggest scheduling 4-6 times per day for maximum effect.</li> </ul>                                                                                                                                                                                             |
| calcium carbonate<br>(Tums)               | <ul style="list-style-type: none"> <li>• Comments and Considerations: Antacids may have minimal benefit with post-pyloric tubes</li> <li>• Recommendations for Administration with Enteral Nutrition: Check distal tube placement</li> </ul>                                                                                                                                                                                                                     |
| captopril<br>(Capoten)                    | <ul style="list-style-type: none"> <li>• Comments and Considerations: Avoid exposure from crushing if pregnant</li> <li>• Recommendations for Administration with Enteral Nutrition: Consider holding tube feeding 1 hour before and 1 hour after</li> </ul>                                                                                                                                                                                                     |
| <i>Carafate - see sucralfate</i>          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| carBAMazepine<br>(Carbatrol, TEGretol)    | <ul style="list-style-type: none"> <li>• Comments and Considerations: Decreases absorption as adheres to tube, dilute with equal volume water, contains sorbitol</li> <li>• Recommendations for Administration with Enteral Nutrition: Suggest that total daily dose should be divided into 4 equal doses of carBAMazepine suspension. Dilute suspension with equal amounts of diluent. Monitor levels, jejunal administration may be less effective.</li> </ul> |

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generic (Brand)

Comments/Recommendations

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| carbidopa-levodopa<br>(Sinemet)             | <ul style="list-style-type: none"> <li>● Comments and Considerations:</li> <li>● Recommendations for Administration with Enteral Nutrition: Do not need to hold tube feeds. May increase dose for desired effect</li> </ul>                                                                                                                                                                                                                      |
| <i>Cardizem - see diltiazem</i>             |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| cefdinir<br>(Omnicef)                       | <ul style="list-style-type: none"> <li>● Comments and Considerations: Capsule and oral suspension are not bioequivalent. High-fat meal reduces suspension bioavailability by 30%. Iron-containing and Mg-containing preparations further reduce bioavailability</li> <li>● Recommendations for Administration with Enteral Nutrition: Consider holding tube feeding 1 hour before and 1 hour after</li> </ul>                                    |
| cefuroxime<br>(Ceftin)                      | <ul style="list-style-type: none"> <li>● Comments and Considerations: Tablets and oral suspension are not bioequivalent. Do NOT crush tablets (risk of sensitization), unacceptable taste</li> <li>● Recommendations for Administration with Enteral Nutrition: Use available suspension or disperse tablet (do not crush) in 20 mL water prior to administration</li> </ul>                                                                     |
| celecoxib<br>(CeleBREX)                     | <ul style="list-style-type: none"> <li>● Comments and Considerations:</li> <li>● Recommendations for Administration with Enteral Nutrition: Not recommended for post-pyloric tubes</li> </ul>                                                                                                                                                                                                                                                    |
| <i>Cellcept - see mycophenolate mofetil</i> |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| cephalexin<br>(Keflex)                      | <ul style="list-style-type: none"> <li>● Comments and Considerations: Do not crush tablet or manipulate capsules (sensitization). Suspension may contain sorbitol.</li> <li>● Recommendations for Administration with Enteral Nutrition: Use available suspension</li> </ul>                                                                                                                                                                     |
| ciprofloxacin<br>(Cipro)                    | <ul style="list-style-type: none"> <li>● Comments and Considerations: Binds to divalent ions (absorption reduced by 50%)</li> <li>● Recommendations for Administration with Enteral Nutrition: Recommend changing to IV for severe infections. For mild/moderate infections suggest 750 mg BID. Use crushed tablets (suspension may NOT be used with any feeding tube). Consider holding continuous EN for 1-2 hours before and after</li> </ul> |
| <i>Coumadin - see warfarin</i>              |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <i>Creon - see pancrelipase</i>             |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <i>Cymbalta - see DULoxetine</i>            |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>D</b> dabigatran<br>(Pradaxa)            | <ul style="list-style-type: none"> <li>● Comments and Considerations: Capsules should not be broken or opened.</li> <li>● Recommendations for Administration with Enteral Nutrition: Suggest using another form of anticoagulation until patient is able to take capsule whole.</li> </ul>                                                                                                                                                       |
| <i>Depacon - see valproic acid</i>          |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <i>Depakote - see valproic acid</i>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| diazepam<br>(Valium)                        | <ul style="list-style-type: none"> <li>● Comments and Considerations: Commercially available solution has lower bioavailability due to binding with NG tubing</li> <li>● Recommendations for Administration with Enteral Nutrition: Suggest using diazepam tablets instead of solution.</li> </ul>                                                                                                                                               |
| diclofenac<br>(Voltaren)                    | <ul style="list-style-type: none"> <li>● Comments and Considerations: Do NOT crush modified-release capsules or tablets</li> <li>● Recommendations for Administration with Enteral Nutrition: If no therapeutic alternative, consider holding tube feeding for 30 minutes prior to administration if used for acute effect.</li> </ul>                                                                                                           |
| digoxin<br>(Lanoxin)                        | <ul style="list-style-type: none"> <li>● Comments and Considerations: High-fiber containing meals may reduce oral bioavailability</li> <li>● Recommendations for Administration with Enteral Nutrition: Separate from fiber-containing tube feeds, otherwise no need to hold beyond flush-administer-flush</li> </ul>                                                                                                                            |
| <i>Dilacor - see diltiazem</i>              |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <i>Dilantin - see phenytoin</i>             |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| diltiazem<br>(Dilacor, Tiazac,<br>Cardizem) | <ul style="list-style-type: none"> <li>● Comments and Considerations: Food increases absorption by 28%.</li> <li>● Recommendations for Administration with Enteral Nutrition: Suggest dividing total daily dose into immediate release tablets every 6-8 hours</li> </ul>                                                                                                                                                                        |
| diltiazem<br>(Dilacor, Tiazac,<br>Cardizem) | <ul style="list-style-type: none"> <li>● Comments and Considerations: May open Tiazac capsule but do NOT crush the contents</li> <li>● Recommendations for Administration with Enteral Nutrition: Tiazac capsule may be opened contents may be emptied into feeding tube, but do NOT crush contents.</li> </ul>                                                                                                                                  |
| <i>Dopar - see levodopa</i>                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

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| generic (Brand)          | Comments/Recommendations                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DULoxetine<br>(Cymbalta) | <ul style="list-style-type: none"> <li>• Comments and Considerations: Capsule contains delayed release granules</li> <li>• Recommendations for Administration with Enteral Nutrition: Do NOT administer through feeding tube. Use therapeutic alternative.</li> </ul>                                                                                                                                                                                                                |
| dutasteride<br>(Avodart) | <ul style="list-style-type: none"> <li>• Comments and Considerations: Do NOT manipulate capsules, mucosal irritant</li> <li>• Recommendations for Administration with Enteral Nutrition: Do NOT administer through feeding tube. Use therapeutic alternative.</li> </ul>                                                                                                                                                                                                             |
| <b>E</b>                 | <i>Entocort EC - see budesonide</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                          | <i>Evista - see raloxifene</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>F</b>                 | <ul style="list-style-type: none"> <li>• Comments and Considerations: Do NOT crush - only available as ER tablet</li> <li>• Recommendations for Administration with Enteral Nutrition: Do NOT administer through feeding tube. Use therapeutic alternative (amLODIPine).</li> </ul>                                                                                                                                                                                                  |
|                          | <i>Flomax - see tamsulosin</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                          | <i>Fosamax - see alendronate</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                          | <i>Fosrenol - see lanthanum</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>G</b>                 | <ul style="list-style-type: none"> <li>• Comments and Considerations: Do NOT crush Mucinex tablets.</li> <li>• Recommendations for Administration with Enteral Nutrition: Consider therapeutic alternative to immediate release oral solution (200 mg q4-6h PRN). Consider holding tube feeding beyond time required to flush-administer-flush</li> </ul>                                                                                                                            |
| <b>H</b>                 | <ul style="list-style-type: none"> <li>• Comments and Considerations: Do NOT crush Hysingla or Zohydro (ER tablets)</li> <li>• Recommendations for Administration with Enteral Nutrition: Do NOT administer through feeding tube. Use therapeutic alternative (such as Lortab)</li> </ul>                                                                                                                                                                                            |
| <b>I</b>                 | <ul style="list-style-type: none"> <li>• Comments and Considerations: Do NOT crush (mucosal irritant)</li> <li>• Recommendations for Administration with Enteral Nutrition: Do NOT administer through feeding tube.</li> </ul>                                                                                                                                                                                                                                                       |
|                          | <i>Isoptin - see verapamil</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                          | <ul style="list-style-type: none"> <li>• Comments and Considerations: Capsule maximally absorbed with food. Require gastric acidity for optimal absorption. Decreased bioavailability with post-pyloric tubes. Oral liquid maximally absorbed in fasting state.</li> <li>• Recommendations for Administration with Enteral Nutrition: Suggest administration of oral solution. Consider holding tube feeds 1 hour before and 1 hour after administration. Monitor levels.</li> </ul> |
|                          | <ul style="list-style-type: none"> <li>• Comments and Considerations: High-fat meal increases bioavailability</li> <li>• Recommendations for Administration with Enteral Nutrition: Consider holding tube feeding 1 hour before and 1 hour after</li> </ul>                                                                                                                                                                                                                          |
| <b>J</b>                 | <i>Jantoven - see warfarin</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                          | <i>Juxtapid - see lomitapide</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>K</b>                 | <i>Keflex - see cephalexin</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                          | <ul style="list-style-type: none"> <li>• Comments and Considerations: Drug stability is pH dependent (optimal pH 5-9) requiring gastric acidity for optimal absorption. Decreased bioavailability with post-pyloric tubes</li> <li>• Recommendations for Administration with Enteral Nutrition: Consider holding tube feeding 1 hour before and 1 hour after</li> </ul>                                                                                                              |
| <b>L</b>                 | <i>Lanoxin - see digoxin</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                          | <ul style="list-style-type: none"> <li>• Comments and Considerations: Oral suspension granules - extremely viscous may cause occlusion</li> <li>• Recommendations for Administration with Enteral Nutrition: Substitute to esomeprazole delayed-release granules. Do NOT administer oral suspension through feeding tube. May cause occlusion.</li> </ul>                                                                                                                            |
|                          | <ul style="list-style-type: none"> <li>• Comments and Considerations: Therapeutic effect requires drug be taken with food.</li> <li>• Recommendations for Administration with Enteral Nutrition: Suggest scheduling 4-6 times per day for maximum effect.</li> </ul>                                                                                                                                                                                                                 |

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| generic (Brand)                                    | Comments/Recommendations                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| levodopa<br>(Dopar)                                | <ul style="list-style-type: none"> <li>● Comments and Considerations: Absorption decreased by high protein diet</li> <li>● Recommendations for Administration with Enteral Nutrition: Use IR or apomorphine infusion</li> </ul>                                                                                                                                                                                                                                         |
| <i>levodopa-carbidopa - see carbidopa-levodopa</i> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| levoFLOxacin<br>(Levaquin)                         | <ul style="list-style-type: none"> <li>● Comments and Considerations: Oral levoFLOxacin tablets with food prolongs Tmax by 1h and decreases Cmax by 14%. Oral solution with food decreased Cmax by 25%</li> <li>● Recommendations for Administration with Enteral Nutrition: Suggest changing to IV levoFLOxacin for severe infection. No dosing changes for oral tablet. For oral solution, consider holding tube feedings 1 hour before and 2 hours after.</li> </ul> |
| levothyroxine<br>(Synthroid)                       | <ul style="list-style-type: none"> <li>● Comments and Considerations: Decreased levels due to binding to feeding tubes.</li> <li>● Recommendations for Administration with Enteral Nutrition: For &lt; 7days, no adjustment needed. For &gt; 7 days, Consider holding tube feeding 1 hours before and after dose. Monitor TSH weekly</li> </ul>                                                                                                                         |
| linaclotide<br>(Linzess)                           | <ul style="list-style-type: none"> <li>● Comments and Considerations: Do NOT break or chew capsule</li> <li>● Recommendations for Administration with Enteral Nutrition: Do NOT administer through feeding tube</li> </ul>                                                                                                                                                                                                                                              |
| linezolid<br>(Zyvox)                               | <ul style="list-style-type: none"> <li>● Comments and Considerations: Oral suspension rapidly and completely absorbed.</li> <li>● Recommendations for Administration with Enteral Nutrition: Change to oral suspension</li> </ul>                                                                                                                                                                                                                                       |
| lomitapide<br>(Juxtapid)                           | <ul style="list-style-type: none"> <li>● Comments and Considerations: Capsules should not be broken or opened (pregnancy X)</li> <li>● Recommendations for Administration with Enteral Nutrition: Do NOT administer through feeding tube. Use therapeutic alternative.</li> </ul>                                                                                                                                                                                       |
| lorcaserin<br>(Belviq)                             | <ul style="list-style-type: none"> <li>● Comments and Considerations: Do NOT crush XR product</li> <li>● Recommendations for Administration with Enteral Nutrition: Do NOT administer through feeding tube. Use therapeutic alternative.</li> </ul>                                                                                                                                                                                                                     |
| <b>M</b>                                           | <i>Mepron - see atovaquone</i>                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                                    | <i>Metamucil - see psyllium</i>                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| mineral oil                                        | <ul style="list-style-type: none"> <li>● Comments and Considerations: Extremely viscous</li> <li>● Recommendations for Administration with Enteral Nutrition: Do NOT administer through feeding tube. May cause occlusion.</li> </ul>                                                                                                                                                                                                                                   |
| minocycline<br>(Minocin)                           | <ul style="list-style-type: none"> <li>● Comments and Considerations: Do not crush XR products or open pellet-containing capsules</li> <li>● Recommendations for Administration with Enteral Nutrition: Not recommended for post-pyloric tubes</li> </ul>                                                                                                                                                                                                               |
| moxifloxacin<br>(Avelox)                           | <ul style="list-style-type: none"> <li>● Comments and Considerations: Binds to divalent ions and reduces bioavailability</li> <li>● Recommendations for Administration with Enteral Nutrition: Consider holding tube feeding 2 hours before and after dose</li> </ul>                                                                                                                                                                                                   |
| <i>Mucinex - see guaifENesin</i>                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| mycophenolate                                      | ● Comments and Considerations: Food has no effect on AUC, but shown to decrease AUC                                                                                                                                                                                                                                                                                                                                                                                     |
| mofetil<br>(Cellcept)                              | ● Recommendations for Administration with Enteral Nutrition: No dose adjustment required. Do NOT manipulate tabs/caps due to teratogenic effect. Use available suspension.                                                                                                                                                                                                                                                                                              |
| mycophenolate<br>sodium<br>(Myfortic)              | <ul style="list-style-type: none"> <li>● Comments and Considerations:</li> <li>● Recommendations for Administration with Enteral Nutrition: Do not use mycophenolate tablets, which cannot be crushed, chewed or cut due to teratogenic risk. Suggest converting</li> </ul>                                                                                                                                                                                             |
| <b>N</b>                                           | ● Comments and Considerations: food increases bioavailability                                                                                                                                                                                                                                                                                                                                                                                                           |
| nabumetone<br>(Relafen)                            | ● Recommendations for Administration with Enteral Nutrition: Consider therapeutic alternative (naproxen).                                                                                                                                                                                                                                                                                                                                                               |
| <i>Nizoral - see ketoconazole</i>                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <i>Noxafil - see posaconazole</i>                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>O</b>                                           | ● Comments and Considerations: Food may delay absorption and reduce bioavailability. Administration with liquid protein may result in a gas-producing reaction.                                                                                                                                                                                                                                                                                                         |
| omeprazole<br>(PriLOSEC)                           | ● Recommendations for Administration with Enteral Nutrition: Substitute to esomeprazole delayed-release granules. Consider holding tube feeding for 1 hour before and after dose. Recommend alternative (esomeprazole). Hold liquid protein                                                                                                                                                                                                                             |
| <i>Omnicef - see cefdinir</i>                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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|----------|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>P</b> | pancrelipase<br>(Creon, Pancrease)      | <ul style="list-style-type: none"> <li>● Comments and Considerations: Occlusion -use granule formulation, use &gt; 10 french tubes</li> <li>● Recommendations for Administration with Enteral Nutrition:</li> </ul>                                                                                                                                                                                               |
|          | pantoprazole<br>(Protonix)              | <ul style="list-style-type: none"> <li>● Comments and Considerations: Crushing DR tablet can clog tubes.</li> <li>● Recommendations for Administration with Enteral Nutrition: Substitute to esomeprazole delayed-release granules. No dose adjustment when using compounded suspension. Do NOT use DR or EC tablets. Consider holding tube feeding 1 hour before dose</li> </ul>                                 |
|          | penicillin VK<br>(Pen-VK)               | <ul style="list-style-type: none"> <li>● Comments and Considerations: Unpredictable absorption with tube feeds.</li> <li>● Recommendations for Administration with Enteral Nutrition: Suggest holding enteral nutrition 1 hour before and 1 hour after dose. Consider alternative (amoxicillin)</li> </ul>                                                                                                        |
|          | phenytoin<br>(Dilantin, Phenytek)       | <ul style="list-style-type: none"> <li>● Comments and Considerations: Stop EN 2hours before and after (up to70% reduction in serum drug levels)</li> <li>● Recommendations for Administration with Enteral Nutrition: Suggest IV fosphenytoin or phenytoin. Suggest holding tube feeds 1 hour before and 1 hour after dose. Total daily dose should be divided into twice-daily dosing. Monitor level.</li> </ul> |
|          | <i>PhosLo - see calcium acetate</i>     |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|          | <i>Plendil - see felodipine</i>         |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|          | posaconazole<br>(Noxafil)               | <ul style="list-style-type: none"> <li>● Comments and Considerations: Cmax increased 4x and AUC increased 2.5x with high fat meals. Tablet and liquid doses are not interchangeable</li> <li>● Recommendations for Administration with Enteral Nutrition: Suggest giving each dose with 240 mL of nutritional supplement or 15 mL of canola oil. Not recommended for post-pyloric administration</li> </ul>       |
|          | <i>Pradaxa - see dabigatran</i>         |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|          | <i>Prevacid - see lansoprazole</i>      |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|          | <i>PriLOSEC - see omeprazole</i>        |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|          | <i>Protonix - see pantoprazole</i>      |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|          | psyllium<br>(Metamucil)                 | <ul style="list-style-type: none"> <li>● Comments and Considerations: Metamucil powders may occlude the enteral tube</li> <li>● Recommendations for Administration with Enteral Nutrition: Do NOT administer through feeding tube. If patient requires more fiber, suggest an enteral product with higher fiber content.</li> </ul>                                                                               |
| <b>Q</b> | QUetiapine<br>(SEROquel)                | <ul style="list-style-type: none"> <li>● Comments and Considerations: Successful clinical effects through NGT</li> <li>● Recommendations for Administration with Enteral Nutrition: Suggest dissolving table in water with no dose adjustments</li> </ul>                                                                                                                                                         |
| <b>R</b> | raloxifene<br>(Evista)                  | <ul style="list-style-type: none"> <li>● Comments and Considerations: Do NOT Crush - unacceptable taste, teratogenic potential</li> <li>● Recommendations for Administration with Enteral Nutrition: Do NOT administer through feeding tube</li> </ul>                                                                                                                                                            |
|          | <i>Relafen - see nabumetone</i>         |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|          | <i>Renvela - see sevelamer</i>          |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|          | risedronate<br>(Actonel)                | <ul style="list-style-type: none"> <li>● Comments and Considerations: Do NOT crush tablets as a mucosal irritant.</li> <li>● Recommendations for Administration with Enteral Nutrition: Use once-weekly tablet dispersed in 60 mL of mineral-free water. Consider holding tube feeding for 2 hours before and after. Patient should remain upright to prevent esophageal damage caused by reflux.</li> </ul>      |
|          | rivaroxaban<br>(Xarelto)                | <ul style="list-style-type: none"> <li>● Comments and Considerations: Exposure to drug reduced with release in distal small intestine.</li> <li>● Recommendations for Administration with Enteral Nutrition: Suggest no dose adjustment if enteral tube ends in stomach. Suggest using alternative anticoagulant if enteral tube ends distal to stomach.</li> </ul>                                               |
| <b>S</b> | <i>SEROquel - see QUetiapine</i>        |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|          | sevelamer<br>(Renvela)                  | <ul style="list-style-type: none"> <li>● Comments and Considerations: Therapeutic effect requires drug be taken with food.</li> <li>● Recommendations for Administration with Enteral Nutrition: Recommend change to suspension and scheduling 4-6 times per day for maximum effect.</li> </ul>                                                                                                                   |
|          | <i>Sinemet - see carbidopa-levodopa</i> |                                                                                                                                                                                                                                                                                                                                                                                                                   |

## Enteral Drug Administration

Do NOT Crush medications that contain these suffixes: 12-hour, 24-hour, CC, CD, CR, ER, LA, Retard, SA, Slo-, SR, XL, XR, XT, EN, or EC

| generic (Brand)                              | Comments/Recommendations                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Sporonox - see itraconazole</i>           |                                                                                                                                                                                                                                                                                                                                                                       |
| <i>Strattera - see atomoxetine</i>           |                                                                                                                                                                                                                                                                                                                                                                       |
| <i>Stromectol - see ivermectin</i>           |                                                                                                                                                                                                                                                                                                                                                                       |
| <i>Subutex - see buprenorphine</i>           |                                                                                                                                                                                                                                                                                                                                                                       |
| sucralfate<br>(Carafate)                     | <ul style="list-style-type: none"> <li>● Comments and Considerations: Suspension may cause insoluble mass (bezoar) by binding to proteins. Minimal benefit with post-pyloric tubes.</li> <li>● Recommendations for Administration with Enteral Nutrition: Do NOT administer through feeding tube. Do NOT use suspension. Recommend NexIUM or H2RA instead.</li> </ul> |
| <i>Synthroid - see levothyroxine</i>         |                                                                                                                                                                                                                                                                                                                                                                       |
| <b>T</b> tamsulosin<br>(Flomax)              | <ul style="list-style-type: none"> <li>● Comments and Considerations: Do NOT crush or open capsule, contains slow-release product</li> <li>● Recommendations for Administration with Enteral Nutrition: Do NOT administer through feeding tube</li> </ul>                                                                                                             |
| <i>TEGretol - see carbamazepine</i>          |                                                                                                                                                                                                                                                                                                                                                                       |
| <i>Tessalon Perles - see benzonatate</i>     |                                                                                                                                                                                                                                                                                                                                                                       |
| theophylline<br>(Theo-24)                    | <ul style="list-style-type: none"> <li>● Comments and Considerations: Absorption decreases 30% with enteral nutrition</li> <li>● Recommendations for Administration with Enteral Nutrition: Suggest holding enteral nutrition 1 hour before and 1 hour after dose. Use rapid release products/solutions. Divide total daily dose into 3-4 doses.</li> </ul>           |
| <i>Tiazac - see diltiazem</i>                |                                                                                                                                                                                                                                                                                                                                                                       |
| <i>Tums - see calcium carbonate</i>          |                                                                                                                                                                                                                                                                                                                                                                       |
| <b>V</b> <i>Valium - see diazepam</i>        |                                                                                                                                                                                                                                                                                                                                                                       |
| valproic acid<br>(Depacon,<br>Depakote)      | <ul style="list-style-type: none"> <li>● Comments and Considerations: Administration with food may delay rate of absorption</li> <li>● Recommendations for Administration with Enteral Nutrition: Suggest administering same total daily dose, but use valproic acid solution dosed every 6-8 hours. Monitor levels.</li> </ul>                                       |
| verapamil<br>(Isoptin,<br>Calan, Verelan)    | <ul style="list-style-type: none"> <li>● Comments and Considerations: May open Verelan capsule but do NOT crush the contents</li> <li>● Recommendations for Administration with Enteral Nutrition: Verelan capsule may be opened contents may be emptied into feeding tube, but do NOT crush contents.</li> </ul>                                                     |
| <i>Vfend - see voriconazole</i>              |                                                                                                                                                                                                                                                                                                                                                                       |
| <i>Voltaren - see diclofenac</i>             |                                                                                                                                                                                                                                                                                                                                                                       |
| voriconazole<br>(Vfend)                      | <ul style="list-style-type: none"> <li>● Comments and Considerations: AUC decreased by 22% when taken with food.</li> <li>● Recommendations for Administration with Enteral Nutrition: Suggest holding tube feeding 1 hour before and 1 hour after administration</li> </ul>                                                                                          |
| <b>W</b> warfarin<br>(Jantoven,<br>Coumadin) | <ul style="list-style-type: none"> <li>● Comments and Considerations: Variable Vit-K content, protein binding</li> <li>● Recommendations for Administration with Enteral Nutrition: Suggest holding tube feeding 1 hour before and 1 hour after administration. Avoid soy protein feeds.</li> </ul>                                                                   |
| <i>Wellbutrin - see bupropion</i>            |                                                                                                                                                                                                                                                                                                                                                                       |
| <b>X</b> <i>Xarelto - see rivaroxaban</i>    |                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Z</b> <i>Zohydro - see HYDROcodone</i>    |                                                                                                                                                                                                                                                                                                                                                                       |
| <i>Zovirax - see acyclovir</i>               |                                                                                                                                                                                                                                                                                                                                                                       |
| <i>Zyvox - see linezolid</i>                 |                                                                                                                                                                                                                                                                                                                                                                       |