

**SUNY DOWNSTATE MEDICAL CENTER
DEPARTMENT OF PHARMACY**

Therapeutic Interchange Protocol for Proton Pump Inhibitors

TABLE 1. Oral PPI Therapeutic Dosage Conversion

Formulary Agent	Non-Formulary Agents			
Esomeprazole (Nexium®) Daily dose to be substituted	Pantoprazole (Protonix®) Daily dose prescribed	Lansoprazole (Prevacid®) Daily dose prescribed	Omeprazole (Prilosec®) Daily dose prescribed	Rabeprazole (Aciphex®) Daily dose prescribed
20 mg		15 mg	10 mg	
40 mg	40 mg	30 mg	20 mg	20 mg
80 mg (divided in 2 doses)	80 mg	60 mg	40 mg	40 mg
120 mg (divided in 3 doses)	120 mg	90 mg	60 mg	60 mg

TABLE 2. Intravenous PPI Therapeutic Conversion

Formulary IV Agent	Non-Formulary IV Agent	
Esomeprazole (Nexium®) Dose to be substituted	Pantoprazole (Protonix®) Dose prescribed	Lansoprazole (Prevacid®) Dose prescribed
40 mg	40 mg	30 mg
<u>GI Bleed*</u> : 80 mg IV bolus, then continuous infusion at 8 mg/hr**	<u>GI Bleed*</u> : 80 mg IV bolus, then continuous infusion at 8 mg/hr	<u>GI Bleed*</u> : 60 mg IV bolus, then continuous infusion at 6 mg/hr

*Continuous infusion of PPI for active GI bleeding is not a FDA indication.

**Mixed 80 mg of esomeprazole IV in 100 mL of normal saline and infuse over 10 minutes for the initial bolus. A second admixture of 80 mg of esomeprazole IV in 100 mL of normal saline should be prepared and infused at 8 mg/hr (10 mL/hr).