

**Bon Secours Richmond
Pharmacy and Therapeutics Committees
Criteria For Use of IV Proton Pump Inhibitors**

Recommendations:

- Criteria for use of IV Proton Pump Inhibitors (PPIs) are list below. If a patient does not meet criteria the pharmacist will call the physician and/or leave a chart note recommending conversion to oral therapy.
 - Initial treatment of patients with active upper GI tract bleeding, until they can tolerate oral therapy, usually after three days of therapy.
 - Initial treatment of patients with Zollinger-Ellison syndrome, until they can tolerate oral therapy
 - Stress-ulcer prophylaxis for critical care patients
 - Patients who require PPI therapy who can not tolerate oral or NG PPI therapy
- Patients on IV proton pump inhibitors will have an order entered for the oral route allowing the nurse to use the oral route when the patient is tolerating oral therapy. Proton pump inhibitors may be given by the oral route if the patient does not have active gastrointestinal bleeding, malabsorption syndrome, short bowel syndrome, severe diarrhea, uncontrolled nausea and vomiting, continuous nasogastric suctioning, and is not at risk for aspiration.

Protonix Dosing		
Uses	IV Dose	Oral Dose
Active Upper GI Tract Bleed	80 mg Load and 8 mg/hr	40 mg every day
Zollinger Ellison Syndrome	80 mg BID, up to 160-240 mg per day	Same as IV
Erosive Esophagitis	40 mg every day	Same as IV
PUD	40 mg every day	Same as IV

Protonix Cost Analysis For Prior 12 Months								
	Cost/Dose	Doses MRMC	Doses RCH	Doses SFMC	Doses SMH	Total Doses	Total Cost	Cost If All Doses By This Route
Protonix IV	\$3.88	8510	1550	800	12370	23230	\$90,039	\$303,297
Protonix PO	\$0.19	25520	2900	2900	23700	55020	\$10,486	\$14,914
PO/IV Ratio		3	1.9	3.6	1.9			