



Neighborhood Health Plan of Rhode Island
Pharmacy Benefit Exception Request Form
PPI-Plavix concurrent use
 Customer Service (401)-459-6020, fax 866-423-0945

Please complete the following information:

Date of Request: ___/___/___

Member Name: <small>(required)</small>	Member ID Number, otherwise SSN#: <small>(required)</small> <table border="1" style="width: 100%; height: 20px; border-collapse: collapse;"> <tr> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> </tr> </table>										
Member Date of Birth: <small>(required)</small> / /	Member Sex: M F (Circle One)										
Prescriber Name: <small>(required)</small> Prescriber Specialty: <small>(required)</small>	Contact Person at Office:										
Tel # & extension: <small>(required)</small> () -	Office Fax Number: <small>(required)</small> () -										

Proton Pump Inhibitor requested: _____ Strength: _____

Quantity: _____ Day Supply _____ Directions: _____

Diagnosis _____

Because of the major drug interaction potential between Plavix (clopidogrel) and the Proton Pump Inhibitors (PPIs) omeprazole, Nexium, Aciphex and Prevacid, authorization is required when the medications are used concomitantly. **Please see attached information regarding this interaction.**

Pantoprazole (generic Protonix) appears to be less likely to interact with clopidogrel and will be covered for members having clopidogrel in their claims history. In addition, the H2 Antagonists ranitidine and famotidine are available without restriction. Please call a pantoprazole, ranitidine or famotidine prescription into the patient's pharmacy. If you feel that the member cannot use one of these alternatives, please indicate the rationale below.

I have read the information attached and am aware of the potential interaction between clopidogrel and this member's current PPI.

Prescriber's Signature _____ NPI _____ Date _____

Completed form must be faxed to **Neighborhood Customer Service at 1-866-423-0945.**



Recent literature suggests a potentially serious drug interaction between clopidogrel and the proton pump inhibitor class (omeprazole, pantoprazole, Aciphex®, Prevacid® and Nexium®).

Clopidogrel's (Plavix®) efficacy may be decreased with the concomitant use of a PPI, leading to increased risk of rehospitalization, recurrent MI, and/or death. Pantoprazole (Protonix®) does not appear to have this interaction.

Possible mechanism of interaction

- Clopidogrel is metabolized by CYP450C19 to its active form. Omeprazole and esomeprazole inhibit this enzyme theoretically decreasing the amount of active drug.
- Increase in gastric pH may reduce the absorption of clopidogrel
- It is more likely that the former is the cause of the interaction because H2 antagonists do not seem to cause the interaction (except cimetidine which is a known inhibitor of CYP450C19).
- Pantoprazole may be the least likely to interact with clopidogrel because it does not inhibit CYP2C19.

In a study by Juurlink, et al, pantoprazole did not have an effect on clinical outcomes.

NHPRI's P+T Committee has determined that if a PPI must be used for a member on clopidogrel, pantoprazole may be the safest option based on the current literature.

Claims for members filling omeprazole, Nexium®, Aciphex®, or Prevacid® with a claim for clopidogrel in the previous 60 days will deny.

Claims for members filling pantoprazole will adjudicate if clopidogrel has been filled in the previous 60 days.

References:

- 1.) Proton Pump Inhibitor and Plavix Interaction: Does it Exist? Pharmacist's Letter 2009; 25(4):250401. 2.) Gilard M, Arnaud B, Cornily JC, et al. Influence of omeprazole on the antiplatelet action of clopidogrel associated with aspirin. *J Am Coll Cardiol* 2008;51:256-60. 3.) Pezalla E, Day D, Pulliadath I. Initial assessment of clinical impact of a drug interaction between clopidogrel and proton pump inhibitors. *J Am Coll Cardiol* 2008;52:1038-9. 4.) Juurlink DN, Gomes T, Ko DT, et al. A population-based study of the drug interaction between proton pump inhibitors and clopidogrel. *CMAJ* 2009;180:DOI.10.1503/cmaj.082001. 5.) Ho PM, Maddox TM, Wang L, et al. Risk of adverse outcomes associated with concomitant use of clopidogrel and proton pump inhibitors following acute coronary syndrome. *JAMA* 2009;301:937-44. 6.) Siller-Matula, Jolanta M. MD a; Spiel, Alexander O. MD a; Lang, Irene M. MD b; Kreiner, Gerhard MD b; Christ, Guenter MD b; Jilma, Bernd MD a. *American Heart Journal*. 157(1):148e1-148e5, January 2009.