Pharmaceutical opinion : **Interaction between agents modifying the gastric pH and anti-HCVs**

Patient : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DOB \_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_ Telephone : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

After analyzing your patient's file, I noticed a problem with his medication.

**Ledispavir / Sofosbuvir (Harvoni)**  **and**

**PPIs : lansoprazole (Prevacid), omeprazole (Losec), pantoprazole (Pantoloc) or equivalent**

**Interaction mechanism :** Proton Pump Inhibitors (PPIs) increase gastric pH. The solubility, absorption and plasma concentration of ledipasvir can be decreased. This can significantly reduce the effectiveness of some anti-HCVs.

***Ledispavir / Sofosbuvir (Harvoni) and PPIs******:***

Additional information:

A pharmacokinetic study with Ledispavir/Sofosbuvir (Harvoni) and Omeprazole 20 mg taken at the same time showed no significant decrease in AUC. According to the product monograph, it is therefore possible to combine Harvoni with omeprazole 20 mg or equivalent if it is taken at the same time as the anti-HCV.

Possible therapeutic options : **Name of anti-PPI** : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**\*** **Recommended dosage: dose comparable to omeprazole 20 mg QD that is dexlansoprazole 30 mg; esomeprazole 20 mg ; lansoprazole 30 mg ; pantoprazole 40 mg; rabeprazole 20 mg \***

* Stop the PPI. **\* Reevaluate the treatment indication with the PPI and if it can be stopped \***
* Administer Ledipasvir/Sofosbuvir (Harvoni) and the PPI at the same time.
* Suspend the PPI during hepatitis C treatment \*From \_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_\*
* Decrease the PPI dose to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \*From \_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_\* and  
  administer Ledipasvir/Sofosbuvir (Harvoni) and the PPI at the same time.
* Other : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ REN : \_\_\_\_\_\_\_

**Follow-up :** Efficacy of anti-HCV treatment.

Do not hesitate to contact us for additional information.  
In collaboration,

Pharmacist : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Telephone : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_​ Fax : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

As a prescription, date and sign:

Date : \_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_ Signature and licence : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_