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.

**Sofosbuvir / Velpatasvir (Epclusa)**  **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 velpatasvir can be decreased. This can significantly reduce the effectiveness of some anti-HCVs.

***Sofosbuvir / Velpatasvir (Epclusa) and PPIs******:***

Additional information:

Pharmacokinetic studies : Epclusa + Omeprazole 20 mg

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Administration (Anti-HCV) | Fasting | With food | With food | Fasting |
| Administration (PPI) | At the same time | 2h before | 4h after | 12h after |
| Velpatasvir AUC | ↓36% | ↓38% | ↓26% | ↓55% |

Based on the above pharmacokinetic studies, PPI at doses equivalent to omeprazole 20 mg can be administered simultaneously with Sofosbuvir/Velpatasvir (Epclusa) when taken with food, according to the product monograph.

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 Sofosbuvir/Velpatasvir (Epclusa) and the PPI at the same time while eating.
* Suspend the PPI during hepatitis C treatment \*From \_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_\*
* Decrease the PPI dose to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \*From \_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_\* and  
  administer Sofosbuvir/Velpatasvir (Epclusa) and the PPI at the same time while eating.
* 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 : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_