Pharmaceutical opinion : **Interaction between potent inducers and anti-HCV**

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

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

**Sofosbuvir / Velpatasvir / Voxilaprevir (Vosevi)**   **and**

**Anticonvulsivants**

* Carbamazepine (Tegretol)
* Oxcarbazepine (Trileptal)
* Phenobarbital (Luminal)
* Phenytoin (Dilantin)

**Interaction mecanism :** Carbamazepine, oxcarbazepine, phenobarbital and phenytoin are potent CYP 3A4 and P-gp inducers. The anti-HCVs mentioned above are substrates of CYP3A4 and/or P-gp. This induction can therefore significantly decrease the plasma concentration of the above-mentioned anti-HCVs, thus leading to a loss of clinical efficacy.

***Anti-HCV and anticonvulsivants***

Additional information:

The combination of these drugs has not been studied. However, according to the monographs, concomitant use of these anti-HCV drugs with potent CYP 3A4 inducers such as carbamazepine, oxcarbazepine, phenobarbital and phenytoin is contraindicated or not recommended.

Possible therapeutic options: **Anticonvulsivant name** : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* Substitute anticonvulsant for: gabapentin, pregabalin, levetiracetam, brivaracetam, or valproic acid

Dosage : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ REN : \_\_\_\_\_\_\_

* Other :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ REN : \_\_\_\_\_\_\_

**Follow-up :** Efficacy of anti-HCV and effectiveness and safety of the chosen alternative drug.

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

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

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

As a prescription, date and sign:

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