clinical cases DDIs

Date of report 16 May 2019

Reported case interaction between **Darunavir** and **Tejocote root (Crataegus mexicana or Crataegus pubescens)**

Drugs suspected to be involved in the DDI

Victim

Darunavir

Daily Dose

800 (mg)

Dose adjustment performed

No

Administration Route

Oral

Start date

May 17, 2016

End date

Ongoing

Perpetrator

Tejocote root (Crataegus mexicana or Crataegus pubescens)

Daily Dose

Unknown

Dose adjustment performed

No

Administration Route

Oral

Start date
Unknown

End date
Ongoing

Complete list of drugs taken by the patient

Antiretroviral treatment
Darunavir/Cobicistat
Dolutegravir

Complete list of all comedications taken by the patient, included that involved in the DDI
Tejocote root (Crataegus mexicana or Crataegus pubescens), Diclofenac

Clinical case description

Gender
Male

Age
49

eGFR (mL/min)
>60

Liver function impairment
No

Description
Patient taking Tejocote root (Crataegus mexicana or Crataegus pubescens) to loose weight. Cratageus mexicana can inhibit UGT, increasing concentrations of drugs metabolized through this pathway. It may also induce CYP3A4, potentially decreasing concentrations of drugs metabolized trough this pathway. Furthermore, it has alcaloids with similar structure to digoxin, so it could interfere in its pharmacodynamic action (Source: Memorial Sloan Kettering Cancer Center database) The patient had detectable viral load, but without selecting resistance mutations. This could

be due to irregular adherence and/or to the high genetic barrier of both drugs in the regimen.

Clinical Outcome

Loss of efficacy

Drug Interaction Probability Scale (DIPS)

Score

2 - Possible

Editorial Comment

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University of Liverpool Recommendation

N/A