Date of report 13 May 2019

Reported case interaction between **Dolutegravir** and **Mineral supplements**

Drugs suspected to be involved in the DDI

Victim
Dolutegravir

Daily Dose
50 (mg)

Dose adjustment performed
No

Administration Route
Oral

Start date
Dec. 2, 2015

End date
Ongoing

Perpetrator
Mineral supplements

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

Dolutegravir/Abacavir/Lamivudine

Complete list of all comedications taken by the patient, included that involved in the DDI

Zinc, cimicifuga, echinacea, licorice, giner, perilla, vitD3

Clinical case description

Gender

Female

Age

51

eGFR (mL/min)

>60

Liver function impairment

No

Description

Patient taking Triumeq plus different alternative medicines including zinc suplements. Potential interaction between zinc and Triumeq. It was recommended to take the supplements and the rest of complementary treatments separately 12h from Triumeq.

Clinical Outcome

No unwanted outcome

Editorial Comment

Coadministration may decrease dolutegravir concentrations due to complex binding to polyvalent ions (chelation). It is recommended to administer dolutegravir 2 hours before or 6 hours after taking the supplements containing polyvalent cations. Although the magnitude of the decrease in doluteravir concentrations may be ameliorated by taking dolutegravir and supplements together with food, there no data on zinc supplements specifically.

University of Liverpool Recommendation

■ Potential interaction - may require close monitoring, alteration of drug dosage or timing of administration

For more information click here