

RELEVANCE OF RITONAVIR INTERACTIONS IN HIV TREATMENTS THAT INVOLVE TREATMENT MODIFICATION

BELTRÁN-GARCÍA I, CUELLAR-MONREAL MJ, CENTELLES-ORIA M, PALANQUES-PASTOR T, MONTE-BOQUET E, GARCÍA-ROBLES A, TARAZONA-CASANY M, IGLESIAS-GOMEZ R, BALLESTA-LÓPEZ O, SOLANA-ALTABELLA A, POVEDA-ANDRÉS JL.
HOSPITAL UNIVERSITARIO Y POLITÉCNICO LA FE, VALENCIA, SPAIN.

BACKGROUND AND IMPORTANCE

The protease inhibitor (PI)/enhancer combination, more than 20 years after its appearance, continues to be an antiretroviral therapy (ART). Ritonavir (RTV) acts as an enhancer and has a higher potential for drug interactions.

AIM AND OBJECTIVE

To analyze the profile of pharmacological **interactions with RTV** as an enhancer of PIs and their severity.

MATERIAL AND METHODS

Retrospective observational study
HIV patients with **PI boosted with RTV** (for at least 6 months) those that presented some interaction with PI/enhancer
Data: Age, drug interactions and their severity, and medical decision.
(Drug dispensing register of the Outpatient Pharmaceutical Care Unit and electronicclinical record)

RESULTS

210 PATIENTS

5 PATIENTS (2.38%)
WITH INTERACTIONS THAT MOTIVATED
TREATMENT MODIFICATION

MEAN AGE 52 YEARS (SD: 5)

DRUGS	INTERACTION	DECISION
RTV-TRIAZOLAM	increase triazolam concentrations prolonged sedation/respiratory depression	modification of the ART
RTV-SILDENAFIL	a single dose of sildenafil resulted in a 4-fold greater exposure	sildenafil single dose not to exceed 25 mg every 48 h
RTV-QUETIAPINE	it can increase the toxicity related to quetiapine due to its metabolism	reduce quetiapine dose 1/6
RTV-ATORVASTATIN	increase the risk of myopathy including rhabdomyolysis	exchange for pravastatin
RTV (COMBITASVIR + PARITAPREVIR)	additional ritonavir is not recommended	modification of the ART

CONCLUSION AND RELEVANCE

Interactions related to ART based on PI/enhancer can be **easily managed** to avoid causing harm to the patient. It is **necessary** to **review** the complete **treatment** in ART patients **whenever they start a new drug**

REFERENCES AND/OR

Interactions were reviewed: www.hiv-druginteractions.org/checker

ACKNOWLEDGEMENTS

Keywords: Interaction, ritonavir, enhancer, ART