

# RELEVANCE OF RITONAVIR INTERACTIONS IN HIV TREATMENTS THAT INVOLVE TREATMENT MODIFICATION

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## 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 ACKNOWLEDGEMENTS

Interactions were reviewed: [www.hiv-druginteractions.org/checker](http://www.hiv-druginteractions.org/checker)

**Keywords:** Interaction, ritonavir, enhancer, ART