

## ESC Virtual Seminar

### Drug interactions with hormonal contraception including HIV and broad-spectrum antibiotics

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#### Questions & answers

- **What is recommended with regards to emergency contraception for patients who are on regular proton pump inhibitors? Many thanks**  
Ulipristal acetate is not recommended. So, possible options would be 1,5 mg of levonorgestrel or copper-IUD.
- **We rely on medscape interaction checker and it does not include all of these interactions. What do you suggest we use as there seems to be much more interactions than we have been advised of in the FSRH guidelines at least.**  
The search for drug interactions can be difficult because new results are constantly emerging, and it is important to assess the scientific value of the evidence. However, the ESC training improvement programme is regularly updated taking into account the scientific value of the evidence. So when you need to evaluate drug interactions, you can look into that programme.  
<https://escrh.eu/education/training-improvement-programme/ttt-tool-sessions-eng/>
- **Are all these interactions actually clinically significant?**  
Given the large individual variations in the bioavailability of hormonal contraception, it is important to know the extent of drug interactions and to assess whether the interactions are relevant or not. It is certainly good to point out to the patient the possible influence of certain drugs on the effectiveness of hormonal contraception, ie the influence of hormonal contraception on the effectiveness of drugs, even when it comes to minor changes in the pharmacokinetics of contraceptives or drugs. When the changes are large, as is the case with the use of imipramine and amitriptyline, there is certainly no doubt that it is necessary to change the dose of the drug.
- **I had 2 cases of Hiv women pregnant with sub-dermal implant (inserted in IPPC ) and antiretrovirals treatment (efavirens)**  
Maybe I was not clear enough due to short time I had, but efavirenz significantly decreases the efficacy of all hormonal contraceptive methods except depot-medroxyprogesterone acetate. You can look at all of these interactions in the session women with HIV within the ESC training improvement programme.  
<https://escrh.eu/education/training-improvement-programme/ttt-tool-sessions-eng/>