

Potential Interactions via CYP3A4 Between Psychotropics and Immunosuppressants Used in Lung or Liver Transplant  
*(adapted from Georgiopoulos et al., Mental Health and Transplantation in Cystic Fibrosis, manuscript in preparation)*

Psychotropic Drug	Interaction with Prednisone or Prednisolone CYP3A4 substrate and inducer	Interaction with Cyclosporine CYP3A4 substrate and inhibitor	Interaction with Tacrolimus or Everolimus CYP3A4 substrate and inhibitor	Interaction with Sirolimus or Bortezomib CYP3A4 substrate	Interaction with basiliximab CYP3A4 inhibitor
<b>CYP3A4 inhibitors</b>					
Cannabis	Increased systemic exposure of steroid	Increased systemic exposure of cyclosporine	Increased systemic exposure of tacrolimus	Increased systemic exposure of sirolimus	
Fluoxetine (weak)	Increased systemic exposure of steroid	Increased systemic exposure of cyclosporine	Increased systemic exposure of tacrolimus	Increased systemic exposure of sirolimus	
Fluvoxamine (strong)	Increased systemic exposure of steroid	Increased systemic exposure of cyclosporine	Increased systemic exposure of tacrolimus	Increased systemic exposure of sirolimus	
Nefazodone (strong)	Increased systemic exposure of steroid	Increased systemic exposure of cyclosporine	Increased systemic exposure of tacrolimus	Increased systemic exposure of sirolimus	
<b>CYP3A4 Inducers</b>					
Carbamazepine (strong)	Reduced systemic exposure of steroid	Reduced systemic exposure of cyclosporine	Reduced systemic exposure of tacrolimus	Reduced systemic exposure of sirolimus	
Modafinil	Reduced systemic exposure of steroid	Reduced systemic exposure of cyclosporine	Reduced systemic exposure of tacrolimus	Reduced systemic exposure of sirolimus	
St. John's Wort (strong)	Reduced systemic exposure of steroid	Reduced systemic exposure of cyclosporine	Reduced systemic exposure of tacrolimus	Reduced systemic exposure of sirolimus	
<b>CYP3A4 substrates</b>					
Alprazolam Citalopram Escitalopram Guanfacine Mirtazapine Sertraline Trazodone Ziprasidone	Bupropion Clonazepam Eszopiclone Midazolam Quetiapine Topiramate Triazolam Zolpidem	Decreased systemic exposure of psychotropic medication	Increased systemic exposure of psychotropic medication	Increased systemic exposure of psychotropic medication	Increased systemic exposure of psychotropic medication