

Supplementary file: Examples of Clinical pharmacist interventions in transplanted patients and candidates for transplantation with COVID-19

Type of interventions

CNIs[†] reduced dose in concomitant use of other medications
Tacrolimus dose adjustment in accordance with PIs[‡]
Cyclosporine dose adjustment in accordance with HCQ[§]
Cyclosporine dose adjustment in accordance with PIs
Tacrolimus dose adjustment in accordance with Antifungal azoles
Immunosuppressive or anti-viral discontinuation according to patient's clinical status
Discontinuation of anti-metabolite medications regarding severe leukopenia
Discontinuation of Tocilizumab due to increasing of hepatic enzymes by 5 times
Discontinuation of Tocilizumab in patients with ANC[¶] lower than 500 /mm³
Discontinuation of HCQ due to QT interval prolongation of more than 500 milliseconds
Discontinuation of mTOR[#] inhibitor due to severe progression of COVID-19
Discontinuation of HCQ in patients with G6PD^{††} deficiency

Dose adjustment according to kidney function
Antibiotics adjustment in HD^{**} patients
Antibiotics adjustment in CRRT^{§§} setting
CNIs dose adjustment in the setting of AKI^{¶¶}
Remdesivir dose adjustment in patients with GFR^{##}<30

Dose adjustment according to hepatic function
Statins dose adjustment regarding liver enzyme elevations
Valproate dose adjustment in moderate liver function

Discontinue or modify medications due to potential DDIs^{†††a}

NOACs⁺⁺⁺ and PIs
Favipiravir and HCQ
Methadone and PIs
NSAIDs and Warfarin
Fluoxetine and Linezolid
PIs and Everolimus

Intravenous-to-oral antibiotic switch

Start of anticoagulant

[†]Calcineurin inhibitor; [‡]Protease inhibitors; [§]Hydroxychloroquine; [¶]Absolute neutrophil count; [#]Mammalian Target of Rapamycin; ^{††}Glucose-6-phosphate dehydrogenase; ^{**}Hemodialysis; ^{§§}Continuous renal replacement therapy; ^{¶¶}Acute kidney injury; ^{##}Glomerular filtration rate; ^{†††}drug-drug interaction; ⁺⁺⁺New oral anticoagulants; ^aPotential DDIs: Drug-drug interaction type D or X