SARS-CoV-2 THERAPEUTICS PROTOCOL v1, 8/10/22

PURPOSE

This protocol specifies the criteria and procedures for pharmacists to initiate the dispensing of the oral SARS-CoV-2 therapeutic nirmatrelvir/ritonavir (Paxlovid) for the treatment of COVID-19 under the FDA's emergency use authorization.

CRITERIA

Pharmacists authorized to initiate the dispensing of oral Paxlovid according to the FDA's *Fact Sheet for Healthcare Providers: Emergency Use Authorization for Paxlovid*¹.

Inclusion criteria (all of the following must be met):

- 12 years of age and older weighing at least 40 kilograms
- Positive results of direct SARS-CoV-2 viral testing within the past 5 days through any of the following:
 - Documentation of a polymerase chain reaction (PCR) test conducted off-site
 - Results from a CLIA-waived PCR test, nucleic acid amplification test (NAAT) or rapid antigen detection test (RADT) ordered and conducted onsite as authorized by this protocol
 - Self-report of a positive home test result from an RADT.

Note: antibody tests are NOT considered to be direct SARS-CoV-2 tests

- At high risk for progression to severe COVID-19, including hospitalization or death²
- Sufficient information available to assess renal and hepatic function
- Sufficient information available to assess for potential drug interactions

Exclusion criteria (any one of the following are met):

- Severe renal impairment (eGFR <30 mL/min)
- Severe hepatic impairment (Child-Pugh Class C)
- History of clinically significant hypersensitivity reactions to nirmatrelvir, ritonavir or any other components
- Co-administration with drugs highly dependent on CYP3A for clearance and for which elevated concentrations are associated with serious or life-threatening reactions, including:
 - o alfuzosin, silodosin
 - pethidine (meperidine)
 - \circ ranolazine
 - \circ amiodarone, dronedarone, flecainide, propafenone, quinidine
 - \circ colchicine

¹ Available at: <u>https://www.fda.gov/media/155050/download</u>

² Available at: https://www.cdc.gov/coronavirus/2019-ncov/hcp/clinical-care/underlyingconditions.html

- o lurasidone, pimozide, clozapine
- eplerenone, ivabradine
- o dihydroergotamine, ergotamine, methylergonovine
- o lovastatin, simvastatin
- o voclosporin
- \circ lomitapide
- o eletriptan, ubrogepant
- \circ finerenone
- \circ naloxegol
- sildenafil when used for pulmonary arterial hypertension (PAH)
- o triazolam, oral midazolam
- o flibanserin
- o tolvaptan
- Co-administration with potent CYP3A inducers where significantly reduced nirmatrelvir or ritonavir plasma concentrations may be associated with the potential for loss of virologic response and possible resistance, including:
 - o apalutamide
 - o carbamazepine, phenobarbital, primidone, phenytoin
 - o lumacaftor/ivacaftor
 - o rifampin
 - St. John's Wort
- Co-administration with other medications for which dosage adjustment would be necessary due to a potential drug interaction (Appendix 1)
- Patients requiring hospitalization due to severe or critical COVID-19
- Desire for pre-exposure or post-exposure prophylaxis against COVID-19

MEDICATIONS

This protocol authorizes pharmacists to initiate the dispensing of:

| Medication | dication Dose | | Notes |
|---|---|-----------------|---------------------------|
| nirmatrelvir/ritonavir (Paxlovid) | conavir 300 mg nirmatrelvir (two 150 mg tablets) co-packaged with 100 mg ritonavir | | eGFR ≥60 mL/min |
| nirmatrelvir/ritonavir (Paxlovid)150 mg nirmatrelvir co-packaged 100 mg ritonavir | | BID x 5 days | eGFR ≥30 to <60 mL/min |

PROCEDURES FOR INITIATION AND MONITORING OF THERAPIES

Paxlovid therapy initiation and monitoring will be individualized based on patient history and consideration of contraindications and precautions of therapy as outlined in the FDA's *Fact Sheet for Healthcare Providers: Emergency Use Authorization for Paxlovid*³. Pharmacists may utilize

³ Available at: <u>https://www.fda.gov/media/155050/download</u>

the authority granted under this protocol to order and conduct CLIA-waived SARS CoV 2 testing.

Pharmacists must have sufficient information to determine eligibility to receive Paxlovid:

- A list of all patient medications, including over-the-counter medications to screen for drugs with potentially serious interactions with Paxlovid (Appendix 1)
- Electronic or printed health records less than 12 months old, including the most recent reports of laboratory blood work to review for kidney or liver problems; or
- Information received from a consult with the patient's health care provider

After assessment of information and determination of eligibility to receive Paxlovid under this protocol (**i.e. patient meets all inclusion criteria and has no exclusion criteria from above**), pharmacists are authorized to initiate the dispensing of Paxlovid as outlined in the Medication Table above.

EDUCATION REQUIREMENTS

Pharmacists must communicate to the patient and/or caregiver information consistent with the *"FACT SHEET FOR PATIENTS, PARENTS, and CAREGIVERS"*⁴ and provide them with a copy prior to dispensing.

- Inform patients that hypersensitivity reactions have been reported, even after one dose
- Advise patients to discontinue the drug and inform their (Health Care Provider) HCP of the first sign of an allergic reaction
- Inform patients that Paxlovid may interact with some drugs and is contraindicated with some drugs
- Alert patients of the importance of completing the full 5-day treatment course
- Advise persons who are able to become pregnant of the need to abstain from sexual activity while taking Paxlovid or use a barrier method of contraception
- Inform patients about the possibility of "rebound COVID" after Paxlovid and steps they should take if this occurs⁵

DOCUMENTATION

Pharmacists will document via prescription record each person who receives Paxlovid under this protocol, including:

- Documentation of the assessment of renal and hepatic function, and patient medication list for contraindications and drug interactions
- Documentation as required in 201 KAR 2:170 for the dispensing of prescription medication
- Documentation that the individual receiving Paxlovid was provided with the required education pursuant to this protocol
- Documentation of mandatory reporting of any serious adverse events and medication

⁴ Available at: <u>https://www.fda.gov/media/155051/download</u>

⁵ Available at: <u>https://emergency.cdc.gov/han/2022/pdf/CDC_HAN_467.pdf</u>

errors potentially related to PAXLOVID within 7 calendar days from the healthcare provider's awareness of the event, using FDA Form 3500^6 . Serious adverse events are defined as:

- o Death
- A life-threatening adverse event
- o Inpatient hospitalization or prolongation of existing hospitalization
- A persistent or significant incapacity or substantial disruption of the ability to conduct normal life functions
- A congenital anomaly/birth defect
- Other important medical event, which may require a medical or surgical intervention to prevent death, a life-threatening event, hospitalization, disability, or congenital anomaly

NOTIFICATION

Pharmacist(s) shall ask all persons receiving Paxlovid under this protocol for the name and contact information of the individual's primary care provider and shall provide notification of the medications dispensed under the protocol to the identified primary care provider within two (2) business days.

Any individual affirmatively stating that the individual does not have a primary care provider may still receive Paxlovid under this protocol provided all other applicable requirements of the protocol are met.

[If directed by the authorizing prescriber, the pharmacist(s) shall provide written notification via fax or other secure electronic means to the authorizing prescriber of persons receiving Paxlovid under this protocol within 7 days of initiating dispensing]

TERMS

This protocol is effective as of the date all parties execute the document. It shall remain in effect for a period of one year and shall automatically renew for successive one-year periods unless otherwise terminated by any party, with or without cause. Any termination without cause shall require prior notice to all parties of no less than sixty days.

⁶ Available at: <u>https://www.fda.gov/medwatch/report.htm</u>

SIGNATURES

Prescriber Name

Date

Prescriber Signature

Pharmacist Name

Date

Pharmacist Signature

Appendix 1

| | led and Other Potentially | Effect on | |
|---|---|----------------------------------|---|
| Drug Class | Drugs within Class | Concentration | Clinical Comments |
| Alpha 1-adrenoreceptor antagonist | alfuzosin | ↑ alfuzosin | Co-administration contraindicated due to potential hypotension [see Contraindications (4)]. |
| Alpha 1-adrenoreceptor antagonist | tamsulosin | ↑ tamsulosin | Avoid concomitant use with PAXLOVID. |
| Analgesics | pethidine (meperidine) | ↑ pethidine (meperidine) | due to potential for serious respiratory depression or hematologic abnormalities <i>[see Contraindications (4)]</i> . |
| Antianginal | ranolazine | ↑ ranolazine | Co-administration contraindicated due to potential for serious and/or life-threatening reactions [see Contraindications (4)]. |
| Antiarrhythmics | amiodarone, dronedarone, flecainide, propafenone, quinidine | ↑ antiarrhythmic | Co-administration contraindicated due to potential for cardiac arrhythmias [see Contraindications (4)]. |
| Antiarrhythmics | lidocaine (systemic) | ↑ antiarrhythmic | Caution is warranted and therapeutic concentration monitoring is recommended for antiarrhythmics if available. |
| Anticancer drugs | apalutamide | ↓ nirmatrelvir/ritonavir | Co-administration contraindicated due to potential loss of virologic response and possible resistance [see Contraindications (4)]. |
| Anticancer drugs | abemaciclib, ceritinib, dasatinib, encorafenib, ibrutinib, ivosidenib, neratinib, nilotinib, venetoclax, vinblastine, vincristine | ↑ anticancer drug | Avoid co-administration of encorafenib or ivosidenib due to potential risk of serious adverse events such as QT interval prolongation. Avoid use of neratinib, venetoclax or ibrutinib. Co-administration of vincristine and vinblastine may lead to significant hematologic or gastrointestinal side effects. |
| | | | For further information, refer to individual product label for anticancer drug. |

| | | Effect on | |
|-----------------|---|--|--|
| Drug Class | Drugs within Class | Concentration | Clinical Comments |
| Anticoagulants | warfarin | ↑↓ warfarin | Closely monitor INR if co-administration with warfarin is necessary. |
| | rivaroxaban | ↑ rivaroxaban | Increased bleeding risk with rivaroxaban. Avoid concomitant use. |
| | dabigatran ^a | ↑ dabigatran | Increased bleeding risk with dabigatran. Depending on dabigatran indication and renal function, reduce dose of dabigatran or avoid concomitant use. Refer to the dabigatran product label for further information. |
| Anticonvulsants | carbamazepineª, phenobarbital, primidone, phenytoin | ↓ nirmatrelvir/ritonavir | Co-administration contraindicated due to potential loss of virologic response and possible resistance [see Contraindications (4)]. |
| Antidepressants | bupropion | ↓ bupropion and active metabolite hydroxy- bupropion | Monitor for an adequate clinical response to bupropion. |
| | trazodone | ↑ trazodone | Adverse reactions of nausea, dizziness, hypotension, and syncope have been observed following co-administration of trazodone and ritonavir. A lower dose of trazodone should be considered. Refer to trazadone product label for further information. |
| Antifungals | voriconazole, | ↓ voriconazole | Avoid concomitant use of voriconazole. |
| | ketoconazole, isavuconazonium sulfate, itraconazoleª | ↑ ketoconazole ↑ isavuconazonium sulfate ↑ itraconazole | Refer to ketoconazole, isavuconazonium sulfate, and itraconazole product labels for further information. |
| Anti-gout | colchicine | ↑ nirmatrelvir/ritonavir ↑ colchicine | Co-administration contraindicated due to potential for serious and/or life-threatening reactions in patients with renal and/or hepatic impairment [see Contraindications (4)]. |

| | | Effect on | |
|---------------------------------|---|---|---|
| Drug Class | Drugs within Class | Concentration | Clinical Comments |
| Anti-HIV protease inhibitors | atazanavir, darunavir, tipranavir | ↑ protease inhibitor | For further information, refer to the respective protease inhibitors' prescribing information. Patients on ritonavir- or cobicistat-containing HIV regimens should continue their treatment as indicated. Monitor for increased PAXLOVID or protease inhibitor adverse events [see Dosage and Administration (2.4)]. |
| Anti-HIV | efavirenz, maraviroc, nevirapine, zidovudine, bictegravir/ emtricitabine/ tenofovir | ↑ efavirenz ↑ maraviroc ↑ nevirapine ↓ zidovudine ↑ bictegravir ↔ emtricitabine ↑ tenofovir | For further information, refer to the respective anti-HIV drugs prescribing information. |
| Anti-infective | clarithromycin, erythromycin | ↑ clarithromycin ↑ erythromycin | Refer to the respective prescribing information for anti-infective dose adjustment. |
| Antimycobacterial | rifampin | ↓ nirmatrelvir/ritonavir | Co-administration contraindicated due to potential loss of virologic response and possible resistance. Alternate antimycobacterial drugs such as rifabutin should be considered <i>[see Contraindications</i> (4)]. |
| Antimycobacterial | bedaquiline | ↑ bedaquiline | Refer to the bedaquiline product label for further information. |
| | rifabutin | ↑ rifabutin | Refer to rifabutin product label for further information on rifabutin dose reduction. |
| | rifapentine | ↓ nirmatrelvir/ritonavir | Avoid concomitant use with PAXLOVID. |
| Antipsychotics | lurasidone, pimozide, clozapine | ↑ lurasidone ↑ pimozide ↑ clozapine | Co-administration contraindicated due to serious and/or life-threatening reactions such as cardiac arrhythmias <i>[see Contraindications</i> (4)]. |
| Antipsychotics | quetiapine | ↑ quetiapine | If co-administration is necessary, reduce quetiapine dose and monitor for quetiapine-associated adverse reactions. Refer to the quetiapine prescribing information for recommendations. |

| | | Effect on | |
|--|--|--|---|
| Drug Class | Drugs within Class | Concentration | Clinical Comments |
| Benign prostatic hyperplasia agents | silodosin | ↑ silodosin | Co-administration contraindicated due to potential for postural hypotension [see Contraindications (4)]. |
| Calcium channel blockers | amlodipine, diltiazem, felodipine, nicardipine, nifedipine | ↑ calcium channel blocker | Caution is warranted and clinical monitoring of patients is recommended. A dose decrease may be needed for these drugs when co-administered with PAXLOVID. If co-administered, refer to individual product label for calcium channel |
| | | | blocker for further information. |
| Cardiac glycosides | digoxin | ↑ digoxin | Caution should be exercised when co-administering PAXLOVID with digoxin, with appropriate monitoring of serum digoxin levels. Refer to the digoxin product label for further information. |
| Cardiovascular agents | eplerenone | ↑ eplerenone | Co-administration with eplerenone is contraindicated due to potential for hyperkalemia <i>[see Contraindications</i> (4)]. |
| | ivabradine | ↑ ivabradine | Co-administration with ivabradine is contraindicated due to potential for bradycardia or conduction disturbances [see Contraindications (4)]. |
| Cardiovascular agents | aliskiren, ticagrelor, vorapaxar, | ↑ aliskiren ↑ ticagrelor ↑ vorapaxar | Avoid concomitant use with PAXLOVID. |
| | clopidogrel | ↓ clopidogrel active metabolite | |

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|---------------------|------------------------------|---------------------------|---|
| Drug Class | Drugs within Class | Eπест on Concentration | Clinical Comments |
| Corticosteroids | | ↑ corticosteroid | Co-administration with |
| primarily | budesonide, | _ | corticosteroids (all routes of |
| metabolized by | ciclesonide, | | administration) of which exposures |
| CYP3A | dexamethasone, | | are significantly increased by strong |
| | fluticasone, | | CYP3A inhibitors can increase the |
| | metnylprednisolone, | | risk tor Cushing's syndrome and |
| | mometasone, | | adrenal suppression. However, the |
| | triamcinolone | | risk or Cusning s syndrome and |
| | | | adrenal suppression associated with |
| | | | short-term use of a strong CYP3A4 |
| | | | Innibitor is low. |
| | | | Alternative corticosteroide including |
| | | | |
| | | | becionneunasone, preunisone, and predmiscione should be considered |
| Cvstic fibrosis | lumacaftor/ivacaftor | I nirmatrelvir/ritonavir | Co-administration contraindicated |
| transmembrane | | • | due to potential loss of virologic |
| conductance | | | response and possible resistance |
| regulator | | | [see Contraindications (4)]. |
| potentiators | | | |
| Cystic fibrosis | ivacaftor | ↑ ivacaftor | Reduce dosage when |
| transmembrane | | | co-administered with PAXLOVID. |
| conductance | elexacaftor/tezacaftor/ | ↑elexacaftor/tezacaftor | Refer to individual product labels for |
| regulator | ivacaftor | /ivacaftor | more information. |
| potentiators | | 4 | |
| : | lezacaltor/lvacaltor | | |
| Endothelin | bosentan | ↑ bosentan | Discontinue use of bosentan at least |
| receptor | | | |
| antagonists | | | PAXLOVID. |
| | | | Befer to the hosentan product label |
| | | | for further information. |
| Front derivatives | dihvdroerantamine | ↑ dihvdroergotamine | Co-administration contraindicated |
| | | ↑ eraotamine | due to potential for acute ergot |
| | avine | ↑ methvleraonovine | toxicity characterized by vasospasm |
| | | | and ischemia of the extremities and |
| | | | other tissues including the central |
| | | | nervous system [see |
| | | | Contraindications (4)]. |
| Hepatitis C direct | elbasvir/grazoprevir, | ↑ antiviral | Increased grazoprevir |
| acting antivirais | glecaprevir/pibrentasv ir | | concentrations can result in ALI elevations. |
| | = | | |
| | | | Avoid concomitant use |
| | | | of glecaprevir/pibrentasvir with |
| | | | PAXLOVID. |
| | ombitasvir/paritaprevir | | Refer to the |
| | /ritonavir and | | ombitasvir/paritaprevir/ritonavir and |
| | dasabuvir | | dasabuvir label for further information. |
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| | | Effect on | |
|------------------------------------|--|----------------------------------|--|
| Drug Class | Drugs within Class | Concentration | Clinical Comments |
| | sofosbuvir/velpatasvir/ voxilaprevir | | Refer to the sofosbuvir/velpatasvir/voxilaprevir product label for further information. Patients on ritonavir-containing HCV regimens should continue their treatment as indicated. Monitor for increased PAXLOVID or HCV drug adverse events with concomitant use [see Dosage and Administration (2.4)]. |
| Herbal products | St. John's Wort (<i>hypericum</i> <i>perforatum</i>) | ↓ nirmatrelvir/ritonavir | Co-administration contraindicated due to potential loss of virologic response and possible resistance [see Contraindications (4)]. |
| HMG-CoA reductase inhibitors | lovastatin, simvastatin | ↑ lovastatin ↑ simvastatin | Co-administration contraindicated due to potential for myopathy including rhabdomyolysis [see Contraindications (4)]. Discontinue use of lovastatin and simvastatin at least 12 hours prior to initiation of PAXLOVID, during the 5 days of PAXLOVID treatment and for 5 days after completing PAXLOVID. |
| HMG-CoA reductase inhibitors | atorvastatin, rosuvastatin | ↑ atorvastatin ↑ rosuvastatin | Consider temporary discontinuation of atorvastatin and rosuvastatin during treatment with PAXLOVID. Atorvastatin and rosuvastatin do not need to be held prior to or after completing PAXLOVID. |
| Hormonal contraceptive | ethinyl estradiol | ↓ ethinyl estradiol | An additional, non-hormonal method of contraception should be considered during the 5 days of PAXLOVID treatment and until one menstrual cycle after stopping PAXLOVID. |
| Immunosuppressa nts | voclosporin | ↑ voclosporin | Co-administration contraindicated due to potential for acute and/or chronic nephrotoxicity [see Contraindications (4)]. |

Table 1: Established and Other Potentially Significant Drug Interactions

| | | Effect on | |
|--|-----------------------------|--------------------------------|--|
| Drug Class | Drugs within Class | Concentration | Clinical Comments |
| Immunosuppressa nts | cyclosporine, tacrolimus | ↑ cyclosporine ↑ tacrolimus | Avoid use of PAXLOVID when close monitoring of immunosuppressant concentrations is not feasible. If co-administered, dose adjustment of the immunosuppressant and monitoring for immunosuppressant concentrations and immunosuppressant-associated adverse reactions is recommended. Refer to the individual immunosuppressant product label for further information and obtain expert consultation from the patient's immunosuppressive therapy specialist. |
| | everolimus, sirolimus | ↑ everolimus ↑ sirolimus | Avoid concomitant use of everolimus and sirolimus and PAXLOVID. |
| Long-acting beta-adrenoceptor agonist | salmeterol | ↑ salmeterol | Avoid concomitant use with PAXLOVID. The combination may result in increased risk of cardiovascular adverse events associated with salmeterol, including QT prolongation, palpitations, and sinus tachycardia. |
| Microsomal triglyceride transfer protein (MTTP) inhibitor | lomitapide | ↑ lomitapide | Co-administration contraindicated due to potential for hepatotoxicity and gastrointestinal adverse reactions [see Contraindications (4)]. |
| Migraine medications | eletriptan | ↑ eletriptan | Co-administration of eletriptan within at least 72 hours of PAXLOVID is contraindicated due to potential for serious adverse reactions including cardiovascular and cerebrovascular events [see Contraindications (4)]. |
| | ubrogepant | ↑ ubrogepant | Co-administration of ubrogepant with PAXLOVID is contraindicated due to potential for serious adverse reactions [see Contraindications (4)]. |
| Migraine medications | rimegepant | ↑ rimegepant | Avoid concomitant use with PAXLOVID. |
| Mineralocorticoid receptor antagonists | finerenone | ↑ finerenone | Co-administration contraindicated due to potential for serious adverse reactions including hyperkalemia, hypotension, and hyponatremia [see Contraindications (4)]. |

| | ed and Other Potentiall | Effect on | |
|---------------------------------------|------------------------------------|---------------|---|
| Drug Class | Drugs within Class | Concentration | Clinical Comments |
| Narcotic | fentanyl, | ↑ fentanyl | Careful monitoring of therapeutic |
| analgesics | hydrocodone, | ↑ hydrocodone | and adverse effects (including |
| analyesics | oxycodone | ↑ oxycodone | potentially fatal respiratory |
| | Oxycodone | | |
| | | | depression) is recommended when |
| | | | fentanyl, hydrocodone or oxycodone |
| | | | is concomitantly administered with |
| | | | PAXLOVID. |
| | methadone | ↓ methadone | Monitor methadone-maintained |
| | | | patients closely for evidence of |
| | | | withdrawal effects and adjust the |
| | | | methadone dose accordingly. |
| Neuropsychiatric | suvorexant | ↑ suvorexant | Avoid concomitant use with |
| agents | | | PAXLOVID. |
| PDE5 inhibitor | sildenafil (Revatio [®]) | ↑ sildenafil | Co-administration of sildenafil with |
| (when used for | | | PAXLOVID is contraindicated due to |
| pulmonary arterial | | | the potential for sildenafil associated |
| hypertension) | | | adverse events, including visual |
| , , , , , , , , , , , , , , , , , , , | | | abnormalities hypotension, |
| | | | prolonged erection, and syncope |
| | | | [see Contraindications (4)]. |
| | tadalafil (Adcirca®) | ↑ tadalafil | Avoid concomitant use of tadalafil |
| | | | with PAXLOVID. |
| PDE5 inhibitor | avanafil, | ↑ avanafil | Do not use PAXLOVID with avanafil |
| (when used for | | | because a safe and effective |
| erectile | | | avanafil dosage regimen has not |
| | | | been established. |
| dysfunction) | | | been established. |
| | sildenafil, | ↑ sildenafil | Dosage adjustment is recommended |
| | tadalafil, | ↑ tadalafil, | for use of sildenafil, tadalafil or |
| | vardenafil | ↑ vardenafil | avanafil with PAXLOVID. Refer to |
| | | | individual product label for more |
| | | | information. |
| Opioid antagonists | naloxegol | ↑ naloxegol | Co-administration contraindicated |
| | | | due to the potential for opioid |
| | | | withdrawal symptoms [see |
| | | | Contraindications (4)]. |
| Sedative/hypnotics | triazolam, | ↑ triazolam | Co-administration contraindicated |
| | oral midazolam ^a | ↑ midazolam | due to potential for extreme sedation |
| | | 1 | and respiratory depression [see |
| | | | Contraindications (4)]. |
| Sedative/hypnotics | midazolam | ↑ midazolam | Co-administration of midazolam |
| e cadaro, nypriodoo | (administered | | (parenteral) should be done in a |
| | parenterally) | | setting which ensures close clinical |
| | | | monitoring and appropriate medical |
| | | | • • • • |
| | | | management in case of respiratory |
| | | | depression and/or prolonged |
| | | | sedation. Dosage reduction for |
| | | | midazolam should be considered, |

| Drug Class | Drugs within Class | Effect on Concentration | Clinical Comments |
|--|--------------------|----------------------------|---|
| | | | especially if more than a single dose of midazolam is administered. |
| | | | Refer to the midazolam product label for further information. |
| Serotonin receptor 1A agonist/ serotonin receptor 2A antagonist | flibanserin | ↑ flibanserin | Co-administration contraindicated due to potential for hypotension, syncope, and CNS depression [see Contraindications (4)]. |
| Vasopressin receptor antagonists | tolvaptan | ↑ tolvaptan | Co-administration contraindicated due to potential for dehydration, hypovolemia and hyperkalemia <i>[see</i> <i>Contraindications (4)]</i> . |

a. See Pharmacokinetics, Drug Interaction Studies Conducted with Nirmatrelvir and Ritonavir (12.3).