Assessing a patient for Paxlovid (nirmatrelvir/ritonavir)

Please check www.covid19-druginteractions.org for updates.

Data are limited or absent; therefore, risk-benefit assessment for any individual patient rests with prescribers.


**ANY RED/AMBER INTERACTIONS?**

- Yes: Review full information on covid19-druginteractions.org and consider practicalities of advice/monitoring:
  - Can medicine be withheld safely for 8 days?
    - e.g., simvastatin
  - Can a dose adjustment be done easily?
    - e.g., be aware of patients on compliance devices or those who do not have tablets/liquid to allow dose change, or if there is concern re patient understanding. Consider alternative day dosing if a dose change is impractical.
  - Can the patient be advised regarding which adverse reactions to be aware of and what to do?
  - Clinical decision (including consulting a specialist if appropriate) based on all the individual patient information and discussion with patient to prescribe Paxlovid.

- No: No need to check medicines below on interaction website (list not exhaustive):
  - ACE inhibitors
  - Acid reducing agents (antacids, PPIs, H2RAs)
  - Aspirin
  - Azathioprine
  - Beta Blockers
  - Corticosteroids (oral/inhaled/topical)
  - Fluvatatin
  - Furosemide
  - Gabapentin
  - HRT/Contraceptive implant or depot
  - Immunglobulin
  - Inhalers (except salmeterol)
  - Insulin
  - Levothryoxine
  - Metformin
  - Methotrexate
  - Monoclonal antibodies (MABs)
  - Mycophenolate
  - NSAIDs (except piroxicam)
  - Pravastatin
  - Pregabalin

- eGFR (CrCl if >75 years) ≥60 ml/min
  - Yes
  - Use covid19-druginteractions.org (or Paxlovid product label if medicine not listed) to check all medicines** including:
    - OTC medicines
    - Recreational drugs
    - Hospital supplied medicines e.g., systemic anticancer treatment (SACT) within last 28 days
    - Opiate substitution therapy
    - HCV/HBV/HIV treatment
    - Hormonal contraceptives (except implant/depot)
    - Steroid injections
    - Depot antipsychotics
    - Multiple sclerosis treatment

- No
  - No Paxlovid

- eGFR (CrCl if >75 years) <30 ml/min
  - Yes
  - Use covid19-druginteractions.org (or Paxlovid product label if medicine not listed) to check all medicines** including:
    - OTC medicines
    - Recreational drugs
    - Hospital supplied medicines e.g., systemic anticancer treatment (SACT) within last 28 days
    - Opiate substitution therapy
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    - Steroid injections
    - Depot antipsychotics
    - Multiple sclerosis treatment

- No
  - No Paxlovid

- Severe liver disease - Child Pugh Class C
  - No
  - No Paxlovid

ANY OF THE FOLLOWING:
- <18 years (check local age restrictions)
- Pregnancy
- Severe renal impairment - eGFR (CrCl if >75 years) <30 ml/min
- Severe liver disease - Child Pugh Class C
- Unable to swallow tablets
- Prescribed any medicines below:

<table>
<thead>
<tr>
<th>Medicine</th>
<th>Note</th>
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<tbody>
<tr>
<td>Amiodarone</td>
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<tr>
<td>Alfuzosin</td>
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<td>Alikiiren</td>
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<td>Apixaban</td>
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<td>Bosentan</td>
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<td>Carbamazepine</td>
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<td>Ciclosporin</td>
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<td>Clozapine</td>
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<td>Clonazepam</td>
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<td>Diazepam</td>
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<td>Disopyramide</td>
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<td>Domperidone</td>
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<td>Dronedradone</td>
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<td>Enalaprilatium</td>
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<td>Eplerenone</td>
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<td>Flecainide</td>
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<tr>
<td>Ivabradine</td>
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<tr>
<td>Lercanidipine*</td>
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<tr>
<td>Midazolam (oral)</td>
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<td>Phenobarbitone</td>
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<td>Phenytizin</td>
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<td>Quetiapine</td>
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<td>Ranolazine</td>
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<td>Rifampicin</td>
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<td>Rivaroxaban*</td>
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<td>Salmeranol*</td>
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<td>Sildenafil</td>
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<td>Simvastatin*</td>
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<td>Sirolimus</td>
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<td>St John’s Wort</td>
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<td>Tadalafil</td>
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<td>Tacrolimus</td>
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<td>Tadalafil (pulmonary hypertension)</td>
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<td>Ticagrelor</td>
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<td>Thalidomide</td>
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<td>Theophylline</td>
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<td>Thioridazine</td>
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<td>Thrombolytics</td>
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<td>Tolbutamide</td>
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<td>Trypsinase</td>
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<td>** unless medicine can be stopped safely for 8 days**</td>
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</tbody>
</table>

Note: list of medicines not exhaustive and subject to change

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