

*This Medicines Information Leaflet is produced locally to optimise the use of medicines by encouraging prescribing that is safe, clinically appropriate and cost-effective to the NHS.*

## Therapeutic Substitution & Therapy Suspension

**T**herapeutic substitution is the practice of replacing a patient's prescription medicine with a chemically different medicine or different formulation of the same medicine that are expected to have the same clinical effect. Therapeutic substitution enables pharmacists to make changes to prescriptions, where the prescriber's intention is clear, without having to refer back to the prescriber.

Therapy suspension enables pharmacists to suspend prescriptions, where the medication is not considered urgent/critical to the patient's current admission, without having to refer back to the prescriber. Both therapeutic substitution and therapy suspension allow pharmacists to facilitate adherence to the agreed Oxford University Hospitals NHS Foundation Trust (OUHFT) Formulary guidance.

### Background

- Pharmacists are required to recommend changes to medication to facilitate compliance with the agreed OUHFT guidelines.
- Pharmacists also need to make minor changes to prescriptions, not to alter the prescriber's intentions but to clarify the prescription for the person responsible for administering the medication. This prevents missed doses and ensures that the patient receives maximum benefit from the medication.
- Interrupting prescribers to ask for these changes to be made is often not convenient, can be disruptive to their work and if not able to be actioned immediately may leave the person responsible for administering the medication unable to give the prescription.
- The Medicines Act (1968) does not authorise pharmacists to amend prescriptions and so a protocol is required to cover this activity.

- The ability to action these changes within an agreed procedure will facilitate prompt administration of medication and discharge of patients.
- The concept of therapeutic substitution by pharmacists which is commonplace in UK hospital practice has been approved by the Medicines Management and Therapeutics Committee (MMTC) and is documented in the new OUH Trust Medicines Policy.
- The average length of stay for patients at OUHFT is 48 hours. When patients are admitted with regular medication not contained within OUHFT formulary, pharmacy will order this medication on a one-off continuation basis.
- Often patients will be discharged before the non-formulary medication has arrived from the supplier/manufacture.
- The ability for pharmacists to suspend non-urgent/critical non-formulary medication within an agreed procedure will prevent unnecessary waste/financial lost by the trust.

### Procedure

#### ePMA

There are three different ways of amending a prescription.

A) If you need to substitute with a completely **different drug**:

*e.g.: ampicillin to amoxicillin.*

1. Order the medicine that will be supplied.
2. Add "therapeutic substitution" on order comments tab.
3. Right-click on the prescription that is being substituted and select "Cancel/DC".
4. Choose "*Formulary substitution*" as the cancel reason and sign.

B) If you need to adjust the **dosage regimen** (and/or the **drug form**):

*e.g.: metformin M/R to standard release*

1. Right-click on the prescription that is being substituted and select "Cancel/Reorder".
2. Enter the new drug information and sign.

C) If you just need to amend the **drug form**:

e.g.: aspirin E/C to dispersible

1. Right-click on the prescription that is being substituted and select "Modify"
2. Alter the form field as required and sign.

If you are carrying out a Therapy Suspension:

1. Right-click on the prescription that is being suspended and select "Suspend"
2. Choose "Formulary reason/supply" as the cancel reason and sign

Paper drug chart

The pharmacist will score through both the name and administration section of the prescription that is being substituted/suspended, endorse 'therapeutic substitution' or 'therapy suspension' and sign and date it. If substituting for an alternative product, the pharmacist will rewrite in photocopy legible pen and sign the substituted medicine(s) in the signature box in place of the prescriber, also writing 'Therapeutic substitution' in the additional information section. In those cases where only the brand is substituted, pharmacist will only add the substitute brand to the additional information section e.g.: "Use Adcal D3", when "Calcichew D3" is prescribed.

The person responsible for administering the medication, usually a nurse, is authorised to give these newly-initiated medicines as per the [Medicines Policy](#).

There are two MMTC agreed levels of therapeutic substitution:

- **Level 1** substitutions can be actioned by a Pharmacist screening charts in the dispensary without needing to refer to the patient's medical notes.
- **Level 2** substitutions require knowledge of the patient or access to clinical information and so are actioned at ward/clinic level only.

When appropriate, long-term medicines may be switched to the recommended preparation on admission [i.e. dispose of any remaining Patient's Own Drugs (PODs)].

The new entry must be endorsed as 'TS' (therapeutic substitutions) next to the prescription box and the switch communicated to the General Practitioner on discharge.

Medicinal therapies which are suspended as per this MIL will not be supplied on discharge to patients and the screening pharmacist should request the patient's general practitioner review/continue supply of non-formulary medication. This request should be documented on the discharge summary by the screening pharmacist with the phrase:

*"Therapy not supplied while at OUH – GP to restart/review on supply of next repeat prescription"*

This communication of therapy suspension will encourage the de-prescribing of these items in line with recent NHSE guidance on [Items which should not routinely be prescribed in primary care](#) and [Conditions for which over the counter items should not routinely be prescribed in primary care](#), as well as compliance with the OCCG [Optimising Self Care by Appropriate use of Over the Counter Medicines](#) clinical commissioning policy.

If you have any suggestions for a therapeutic substitution or therapy suspension please e-mail [medicines.effectiveness@ouh.nhs.uk](mailto:medicines.effectiveness@ouh.nhs.uk)

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**Therapeutic Substitution enables pharmacists to make changes to prescriptions, where the prescriber's intention is clear, without having to refer back to the prescriber. It also enables pharmacists to facilitate adherence to the agreed OUHFT Trust Formulary guidance.**

**LEVEL 1: SUBSTITUTIONS CAN BE ACTIONED BY A PHARMACIST SCREENING CHARTS IN THE DISPENSARY WITHOUT NEEDING TO REFER TO THE PATIENT'S MEDICAL NOTES.**

| Prescribed Medication                                                        | Substitutions / Prescription Change                                                                                   | Other Information                                                                                                                                                                                                                                                                                                                                      |
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| Acetazolamide 250mg MR Capsules.                                             | Acetazolamide 250mg <i>tablets</i> .<br>Where:<br>250mg MR BD $\equiv$ 250mg QDS                                      | For use during supply shortage of modified release capsules.                                                                                                                                                                                                                                                                                           |
| Adcal®-D3 <i>caplets</i> (calcium carbonate 750mg / colecalciferol 200units) | Adcal®-D3 <i>tablets</i> (calcium carbonate 1.5g / colecalciferol 400units).<br>Where:<br>2 caplets $\equiv$ 1 tablet | Formulary compliance.<br>N.B.: <i>licensed dose is "calcium carbonate 3g / colecalciferol 800units daily", however, if the patient is on half of this as (1 caplet bd), there might be a clinical reason; check.</i>                                                                                                                                   |
| Alginate raft-forming oral suspension                                        | Peptac liquid                                                                                                         | Formulary compliance<br>Dose as per BNF and BNFc<br><br><i>NB: Gaviscon infant sachets are on the formulary</i>                                                                                                                                                                                                                                        |
| Amoxicillin Liquid                                                           | Amoxicillin Capsules                                                                                                  | Formulation switch for use during shortage of liquid.<br><br>Reverse switch applies when shortage resolves – email from medicines effectiveness team when this has occurred.<br><br>Tablets/capsules can be dispersed in water as per <a href="#">SPS guidance</a><br><br>Liquid formulation should be reserved for use in patients under 2 years old. |
| Ampicillin capsules OR injection                                             | Amoxicillin capsules OR injection<br>Ensure tds dosing.                                                               | Formulary compliance.<br>No need to confirm with Microbiology/Infectious Diseases.                                                                                                                                                                                                                                                                     |
| Aspirin 75mg enteric coated tablets                                          | Aspirin 75mg dispersible tablets                                                                                      | Formulary compliance.<br>No proven clinical benefit.                                                                                                                                                                                                                                                                                                   |
| Azithromycin Liquid                                                          | Azithromycin Capsules/Tablets                                                                                         | Formulation switch for use during shortage of liquid.<br><br>Reverse switch applies when shortage resolves – email from medicines                                                                                                                                                                                                                      |

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|                                                                                                        |                                                                                                                                                                                    | <p>effectiveness team when this has occurred.</p> <p>Tablets/capsules can be dispersed in water as per <a href="#">SPS guidance</a></p> <p>Liquid formulation should be reserved for use in patients under 2 years old.</p>                                                                                                                                   |
| Beclomethasone QVAR <sup>®</sup> inhaler                                                               | <p>Equivalent daily dose as beclomethasone Clenil<sup>®</sup> inhaler.</p> <p>Where:<br/>QVAR<sup>®</sup> 100 micrograms <math>\equiv</math> Clenil<sup>®</sup> 200 micrograms</p> | <p>Formulary compliance.</p> <p>N.B.: <i>only applies to MDI. QVAR Autohaler<sup>®</sup> and Easi-breath<sup>®</sup> devices remain available.</i></p>                                                                                                                                                                                                        |
| Calcichew <sup>®</sup> -D <sub>3</sub> (and Forte) tablets and all other calcium plus vitamin D brands | Adcal <sup>®</sup> -D <sub>3</sub> tablets (calcium carbonate 1.5g / colecalciferol 400units)                                                                                      | <p>Brand substitution.</p> <p>Difference in vitamin D content not clinically significant.</p> <p>( 1 x Calci-D <math>\equiv</math> 2 x Adcal D3)</p>                                                                                                                                                                                                          |
| Cefalexin Liquid                                                                                       | Cefalexin Capsules/Tablets                                                                                                                                                         | <p>Formulation switch for use during shortage of liquid.</p> <p>Reverse switch applies when shortage resolves – email from medicines effectiveness team when this has occurred.</p> <p>Tablets/capsules can be dispersed in water as per <a href="#">SPS guidance</a></p> <p>Liquid formulation should be reserved for use in patients under 2 years old.</p> |
| <del>Cimetidine 400mg tablets</del>                                                                    | <del>Ranitidine 150mg tablets, where:<br/>400mg bd <math>\equiv</math> 150mg bd</del>                                                                                              | <p><del>Formulary compliance.</del></p> <p>Currently shortage with ranitidine – cimetidine used in restricted indications within OUH during</p>                                                                                                                                                                                                               |
| Citalopram tablets                                                                                     | <p>Equivalent dose as Cipramil<sup>®</sup> oral drops.</p> <p>Where:<br/>10mg tablets <math>\equiv</math> 4 drops (8mg)</p>                                                        | <p>If patient unable to swallow tablets.</p> <p>Dose should be prescribed as drops.</p> <p>Reverse substitutions apply when patient able to swallow.</p>                                                                                                                                                                                                      |
| Clarithromycin Liquid                                                                                  | Clarithromycin Tablets                                                                                                                                                             | <p>Formulation switch for use during shortage of liquid.</p> <p>Reverse switch applies when shortage resolves – email from medicines effectiveness team when this has occurred.</p> <p>Tablets/capsules can be dispersed in water as per <a href="#">SPS guidance</a></p>                                                                                     |

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|                                                                                                                                          |                                                                                                                                                                                                 | Liquid formulation should be reserved for use in patients under 2 years old.                                                                                                                                    |
| Clotrimazole pessaries                                                                                                                   | Fluconazole 150mg capsules<br>Stat dose (for vaginal candidiasis)                                                                                                                               | Formulary compliance.<br>Clotrimazole pessaries are still 1 <sup>st</sup> line in pregnancy.<br><u>Caution:</u> fluconazole interacts with many drugs. Check the BNF before making a substitution.              |
| Co-amilofruse tablets                                                                                                                    | Amiloride and furosemide equivalent doses re-written separately.                                                                                                                                | Formulary compliance.                                                                                                                                                                                           |
| Co-amoxiclav 375mg (250/125mg) ONE tablet tds PLUS amoxicillin 250mg ONE capsule tds                                                     | Co-amoxiclav 625mg (500/125mg) ONE tablet tds                                                                                                                                                   | Formulary compliance.                                                                                                                                                                                           |
| Co-amoxiclav 375mg (250/125mg) ONE tablet tds*                                                                                           | Co-amoxiclav 250/62mg in 5ml suspension 5ml tds                                                                                                                                                 | *If patient unable to swallow tablets.<br>NB: for <b>enteral tubes</b> , dilute with an equal volume of water and shake before administration.<br><br>Reverse substitutions apply when patient able to swallow. |
| Co-amoxiclav 625mg (500/125mg) ONE tablet tds*                                                                                           | Co-amoxiclav 250/62mg in 5ml suspension 10ml tds                                                                                                                                                |                                                                                                                                                                                                                 |
| Co-dydramol 10/500 (or strength not specified)                                                                                           | Co-codamol 8/500                                                                                                                                                                                | Formulary compliance                                                                                                                                                                                            |
| Co-careldopa modified release or immediate release formulations<br>OR<br>Co-beneldopa modified release or immediate release formulations | Co-beneldopa dispersible tablets<br>Total daily levodopa dose (including all immediate and modified release doses), should be added up and then administered equally throughout the waking day. | If patient is unable to swallow and/or has a nasogastric tube in situ for medication administration.<br><br>See MIL (Vol. 8, No. 8) for NBM/dysphagic in Parkinson's Disease                                    |
| Co-dydramol 30/500                                                                                                                       | Equivalent daily dose as codeine phosphate 30mg tablets PLUS paracetamol 500mg tablets re-written separately.<br><br>dihydrocodeine 30-40mg $\equiv$ codeine 30mg                               |                                                                                                                                                                                                                 |
| Co-fluampicil                                                                                                                            | Flucloxacillin and amoxicillin equivalent doses re-written separately.                                                                                                                          | Formulary compliance.<br><br>See <a href="#">Antimicrobials Guidelines</a> for appropriate treatment options.                                                                                                   |
| Co-codamol 30/500 mg tablets                                                                                                             | Codeine phosphate 30mg tablets PLUS paracetamol 500mg tablets re-written separately.                                                                                                            | Formulary compliance.                                                                                                                                                                                           |
|                                                                                                                                          | Co-codamol 30/500mg                                                                                                                                                                             | ONLY for enteral tube administration.                                                                                                                                                                           |

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|                                                                      | <u>effervescent</u> tablets                                                                    | Reverse substitutions apply when patient able to swallow.                                                                                                                                                                                                                                                                                                                                                                                     |
| Combivent® aerosol inhalation / nebuliser solution                   | Ipratropium bromide and salbutamol inhalers/nebules in equivalent doses re-written separately. | Formulary compliance.                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Combivir® (zidovudine 300mg/lamivudine 150mg)<br>ONE tablet bd       | Zidovudine (50mg/5ml) oral solution <u>PLUS</u> Lamivudine (50mg/5ml) oral solution            | Substitution to be used during the <b>pharmacy out of hours service ONLY</b> (only if liquids needed instead of tablets/capsules).<br><br><u>Other sites:</u> pharmacy will require to see the amended prescription prior to dispensing this medicines<br><br>Contact the infectious diseases pharmacist the next working day (ext 25117).<br><br><i>NB:</i> during pharmacy opening hours, please contact the infectious diseases pharmacist |
| Kivexa® (abacavir 600mg/ lamivudine 300mg)<br>ONE tablet od          | Abacavir (100mg/5ml) oral solution <u>PLUS</u> Lamivudine (50mg/5ml) oral solution             |                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Rifinah® 150 (rifampicin 150mg/ isoniazid 100mg)<br>THREE tablets od | Rifampicin (100mg/5ml) oral solution <u>PLUS</u> Isoniazid (50mg/5ml) oral solution            |                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Rifinah® 300 (rifampicin 300mg/ isoniazid 150mg)<br>TWO tablets od   |                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Desloratadine 5mg tablets                                            | Loratadine 10mg tablets                                                                        | Desloratadine is active isomer of loratadine, no significant clinical advantage.                                                                                                                                                                                                                                                                                                                                                              |
| Diclofenac MR (modified-release) preparations <b>PRN</b>             | Diclofenac standard-release tablets: 50mg tds prn                                              | Inappropriate for acute use.<br>(Please review prescription according to MHRA published advice of 24 October 2006 relating to the use of NSAIDs in high doses and for long-term)                                                                                                                                                                                                                                                              |
| Doxazosin MR (modified-release) tablets                              | Doxazosin standard-release tablets<br><br>Re-written at same dose and frequency.               | There is no need for a modified- release preparation as standard-release doxazosin is once daily.                                                                                                                                                                                                                                                                                                                                             |
| Dutasteride 500micrograms capsule ONE od                             | Finasteride tablets: 5mg od                                                                    | Formulary compliance                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Erythromycin Liquid                                                  | Erythromycin Tablets                                                                           | Formulation switch for use during shortage of liquid.<br><br>Reverse switch applies when shortage                                                                                                                                                                                                                                                                                                                                             |

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|                                                                                     |                                                                                                                                                                                                                                                                 | <p>resolves – email from medicines effectiveness team when this has occurred.</p> <p>Tablets/capsules can be dispersed in water as per <a href="#">SPS guidance</a></p> <p>Liquid formulation should be reserved for use in patients under 2 years old.</p> |
| Ferrous gluconate 300mg tablets (35mg iron/tablet)                                  | Ferrous sulphate 200mg tablets (65mg iron/tablet)<br>OR<br>Ferrous fumarate 210mg tablets (68mg iron/tablet)                                                                                                                                                    | Formulary compliance.                                                                                                                                                                                                                                       |
|                                                                                     | Ferrous fumarate 140mg in 5ml syrup (45mg iron in 5ml), where:<br>600mg od $\equiv$ 7.5ml od<br>600mg bd $\equiv$ 7.5ml bd<br>600mg tds $\equiv$ 10ml bd                                                                                                        | If patient unable to swallow tablets.<br>Reverse substitutions apply when patient able to swallow.                                                                                                                                                          |
| Ferrograd® (ferrous sulphate mr) 325mg tablets (105mg iron/tablet) ONE tablet daily | Ferrous sulphate 200mg tablets (65mg iron/tablet) ONE tablet bd<br>OR<br>Ferrous fumarate 210mg tablets (68mg iron/tablet) ONE tablet bd                                                                                                                        | Formulary compliance                                                                                                                                                                                                                                        |
|                                                                                     | Ferrous fumarate 140mg in 5ml syrup (45mg iron in 5ml), where:<br>200mg od $\equiv$ 7.5ml od<br>200mg bd $\equiv$ 7.5ml bd<br>200mg tds $\equiv$ 10ml bd                                                                                                        | If patient unable to swallow tablets.<br>Reverse substitutions apply when patient able to swallow.                                                                                                                                                          |
| Fluticasone fluticasone propionate 50 micrograms/metered nasal spray                | Mometasone furoate 50 micrograms/metered spray                                                                                                                                                                                                                  | Formulary compliance<br>Dose as per BNF and BNFc                                                                                                                                                                                                            |
| Gabapentin oral Liquid (Pain indications only)                                      | Gabapentin capsules                                                                                                                                                                                                                                             | Formulary compliance<br>Capsules can be opened and dispersed in water for administration.<br>On discharge, supply capsules and inform GP to switch back to liquid as appropriate.                                                                           |
| Gliclazide 30mg MR (modified release) tablets                                       | Gliclazide 80mg standard-release tablets. Suggested changes are:<br>30mg MR od $\equiv$ 80mg od<br>60mg MR od $\equiv$ 80mg bd<br>90mg MR od $\equiv$ 120mg bd<br>120mg MR od $\equiv$ 160mg bd<br>NB: max. single dose is 160mg. Higher doses must be divided. | Formulary compliance.<br>Final adjustment as per clinical response.                                                                                                                                                                                         |
| Gonadorelin analogues (goserelin,                                                   | Gonadorelin analogues (goserelin,                                                                                                                                                                                                                               | Formulary compliance.                                                                                                                                                                                                                                       |

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| leuprorelin and triptorelin) –<br>3 or 6 monthly injections.                                                                                                                                                                                                      | leuprorelin and triptorelin)<br>1 monthly injection while inpatient<br>(supply 1 injection per month only)                                                                                                                                                                     | e.g., leuprorelin 11.25mg<br>intramuscular injection every 3<br>months switch to leuprorelin 3.75mg<br>intramuscular injection every 28 days.<br><br><b>GP to restart 3 or 6 monthly injection<br/>28 days after last dose of monthly<br/>injection received as inpatient. Ensure<br/>“next dose date” is clearly<br/>documented on the discharge letter</b>  |
| Glycerol Suppositories                                                                                                                                                                                                                                            | Glycerol Suppositories<br>Most appropriate strength for age<br>in line with BNF advice.<br>For Child 1–11 months - 1 g<br>For Child 1–11 years - 2 g<br>For 12 years and above – 4g                                                                                            | Allow dosing as per BNF.                                                                                                                                                                                                                                                                                                                                      |
| Haemophilus Influenzae type b<br>vaccine and Neisseria group C<br>vaccine                                                                                                                                                                                         | Menitorix® (combined preparation)                                                                                                                                                                                                                                              | Formulary compliance as per the <a href="#">MIL: Preventing Severe Infection – Absent or Dysfunctional Spleen</a> .                                                                                                                                                                                                                                           |
| Hydrocortisone sodium phosphate<br>100mg                                                                                                                                                                                                                          | Hydrocortisone sodium succinate<br>100mg                                                                                                                                                                                                                                       | Formulary compliance in case of stock<br>issues                                                                                                                                                                                                                                                                                                               |
| Hydrocortisone sodium succinate<br>100mg                                                                                                                                                                                                                          | Hydrocortisone sodium phosphate<br>100mg                                                                                                                                                                                                                                       | Formulary compliance in case of stock<br>issues                                                                                                                                                                                                                                                                                                               |
| Hypromellose eye drops (all<br>strengths)                                                                                                                                                                                                                         | Hypromellose 0.3% eye drops                                                                                                                                                                                                                                                    | Hypromellose 0.3% chosen formulary<br>option at OUH.<br><br>No significant therapeutic difference<br>between preparations.                                                                                                                                                                                                                                    |
| <b>H2 receptor antagonist as pre-<br/>medication for paclitaxel</b><br><br>in patients with breast,<br>gynaecological, lung and urological<br>cancers (as agreed with the<br>individual MDTs)<br><br><b>As a pre-medication in<br/>chemotherapy regimens only</b> | Alternative H2 Receptor<br>antagonist according to availability<br>as below:<br><br><b>1<sup>st</sup> Choice:</b> Ranitidine 50mg IV 30<br>minutes prior to paclitaxel<br><br><b>OR</b><br><br><b>2<sup>nd</sup> Choice:</b> Famotidine 40mg PO<br>2 hours prior to paclitaxel | Formulary compliance during times of<br>shortages<br><br><b>Cimetidine interactions:</b> Do not<br>substitute if patient is on theophylline,<br>phenytoin or warfarin. Discuss with<br>consultant. Other interactions via CYP<br>inhibition pathway unlikely to be of clinical<br>significance for stat dose.<br><br>If no alternative available discuss with |

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|                                                                        | <p><b>OR</b></p> <p><b>3<sup>rd</sup> Choice:</b> Cimetidine 400mg PO<br/>1 hour prior to paclitaxel on an empty stomach</p>                                                                                                                                                                                                                                | clinical team and proceed without, ensure clearly documented and nursing team aware.                                                                                                                                                                                                                                                                                               |
| Ibuprofen Gel 10%                                                      | Ibuprofen Gel 5%                                                                                                                                                                                                                                                                                                                                            | Formulary Compliance.<br>No significant therapeutic difference between preparations.                                                                                                                                                                                                                                                                                               |
| Insulin Insuman Basal 100units/ml cartridges 3ml or pre-filled pen 3ml | Insulin Humulin I Kwikpen 100units/ml disposable pen 3ml                                                                                                                                                                                                                                                                                                    | 1 unit Insulin Insuman Basal<br>=<br>1 unit Insulin Humulin I                                                                                                                                                                                                                                                                                                                      |
| Insulin Insuman Basal 100units/ml vial 5ml                             | Insulin Humulin I 100units/ml 10ml vial                                                                                                                                                                                                                                                                                                                     | 1 unit Insulin Insuman Basal<br>=<br>1 unit Insulin Humulin I                                                                                                                                                                                                                                                                                                                      |
| Isosorbide mononitrate MR (modified-release) tablets or capsules       | <p>Equivalent dose of the standard-release tablets at 8:00 and 14:00 (except in cases of nocturnal angina when dosing would be at 16:00 and 22:00). Where:</p> <p>25-30mg MR od <math>\equiv</math> 10mg bd<br/>40-60mg MR od <math>\equiv</math> 20mg bd<br/>75-90mg MR od <math>\equiv</math> 30mg bd<br/>100-120mg MR od <math>\equiv</math> 40mg bd</p> | Formulary compliance.                                                                                                                                                                                                                                                                                                                                                              |
| Lactulose solution 3.1-3.7g/5ml                                        | Laxido® (Macrogol 3350) ONE-TWO sachets bd                                                                                                                                                                                                                                                                                                                  | <p>For <b>acute</b> constipation in the general adult patient. To be stopped on discharge by Pharmacist if no longer required. <i>Maximum of 4 days supplied on discharge, GP not to continue.</i> See <a href="#">MIL: Management of Acute General Constipation</a>.</p> <p>NB: <i>lactulose is still to be used by Gastroenterology for the management of liver failure.</i></p> |
| Lacri-Lube eye ointment                                                | Xailin eye ointment                                                                                                                                                                                                                                                                                                                                         | Formulary compliance.                                                                                                                                                                                                                                                                                                                                                              |
| Laxido® (Macrogol 3350) ONE-TWO sachets bd                             | Lactulose solution 3.1-3.7g/5ml 15mL bd                                                                                                                                                                                                                                                                                                                     | <p>Formulary compliance during times of shortages</p> <p>NB: Lactulose Max dose for constipation is 45ml daily.</p> <p>Doses may exceed this in management/prevention of hepatic encephalopathy</p>                                                                                                                                                                                |

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| Levocetirizine 5mg tablets                                            | Cetirizine 10mg tablets                                                                                                                                                                                                                                           | Levocetirizine is active isomer of cetirizine, no significant clinical advantage.                                                                                                                                                                                                                                                          |
| Metformin 500mg MR (modified-release) tablets (Glucophage® SR)        | Metformin 500mg standard-release tablets, where:<br>500mg MR od $\equiv$ 500mg od<br>1g MR od $\equiv$ 500mg bd<br>If the MR preparation is being given more frequently than od, then re-write it the as standard-release preparation at same dose and frequency. | Formulary compliance.<br>Unless proven GI intolerance to standard release preparation (which should be documented in the allergies/intolerance box on the drug chart)                                                                                                                                                                      |
| Movicol® (Macrogol 3350)                                              | Laxido® (Macrogol 3350)<br>Re-written at same dose and frequency.                                                                                                                                                                                                 | Formulary compliance.<br>Brand substitution.                                                                                                                                                                                                                                                                                               |
| Nitrofurantoin 100mg MR (modified-release) tablets                    | Nitrofurantoin 50mg standard-release tablets, where:<br>100mg MR bd $\equiv$ 50mg qds                                                                                                                                                                             | Formulary compliance.                                                                                                                                                                                                                                                                                                                      |
| Oxybutynin modified-release ( M/R) preparations: 10mg and 5mg tablets | Oxybutynin immediate-release tablets: 2.5mg and 5mg tablets<br>nearest equivalent daily dose in 2-3 divided doses<br>5mg M/R od $\equiv$ 2.5mg bd<br>15mg M/R od $\equiv$ 5mg tds                                                                                 | Formulary compliance.<br>Consider restarting modified-release preparation if clinical effect of immediate release tablets does not last throughout the night                                                                                                                                                                               |
| Perindopril arginine (Coversyl®)                                      | Re-written as perindopril erbumine (also tert-butylamine), where:<br>- perindopril arginine 5mg $\equiv$ perindopril erbumine 4mg                                                                                                                                 | Formulary compliance.<br>N.B.: <i>patients receiving Coversyl Plus® (perindopril arginine + indapamide) will be switched to:</i><br><i>Perindopril erbumine <u>PLUS</u> indapamide</i>                                                                                                                                                     |
| Phenoxymethylpenicillin Liquid                                        | Phenoxymethylpenicillin Tablets                                                                                                                                                                                                                                   | Formulation switch for use during shortage of liquid.<br>Reverse switch applies when shortage resolves – email from medicines effectiveness team when this has occurred.<br>Tablets/capsules can be dispersed in water as per <a href="#">SPS guidance</a><br>Liquid formulation should be reserved for use in patients under 2 years old. |
| Phenytoin capsules/tablets                                            | Equivalent dose as phenytoin suspension where 100mg phenytoin sodium (capsules/tablets) $\equiv$ 90mg of                                                                                                                                                          | If patient unable to swallow capsules/tablets.<br>Reverse substitutions apply when patient able to swallow.                                                                                                                                                                                                                                |

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|                                                                                                                                   | phenytoin base (suspension).                                                                                                                          | <b>Not in Adult Critical Care (see endorsing guidelines).</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Phytomenadione oral liquid                                                                                                        | Phytonadione tablets                                                                                                                                  | <b>For outpatients of the Oxford Haemophilia and Thrombosis Centre only.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Pramipexole modified release (MR) tablets                                                                                         | Immediate release (IR) pramipexole tablets<br>Re-written at same total daily dose administered as tds.<br>Eg: 1.05mg MR od $\equiv$ 350 microgram tds | If patient is unable to swallow and/or has a feeding tube (e.g. nasogastric tube) in situ for medication administration.<br>See MIL (Vol. 8, No. 8) for NBM/dysphagic in Parkinson's Disease for further information                                                                                                                                                                                                                                                                                                                     |
| Prednisolone enteric coated tablets                                                                                               | Prednisolone (plain) tablets<br>Same dose                                                                                                             | Formulary compliance.<br>No proven clinical benefit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Prednisolone soluble tablets                                                                                                      | Prednisolone (plain) tablets<br>Same dose                                                                                                             | Formulary compliance.<br>N.B.: <i>plain tablets can be crushed and dispersed in water for swallowing difficulties or paediatric patients.</i>                                                                                                                                                                                                                                                                                                                                                                                            |
| Proton-Pump Inhibitors (PPIs) other than omeprazole and lansoprazole capsules e.g. Esomeprazole, Rabeprazole sodium, pantoprazole | Omeprazole or lansoprazole capsules<br>Please refer to <a href="#">NICE</a> for equivalent doses.                                                     | Formulary compliance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                                                   | Lansoprazole oro-dispersible tablets<br><br>OR<br>Omeprazole tablets<br>Please refer to <a href="#">NICE</a> for equivalent doses.                    | If patient unable to swallow capsules.<br>Omeprazole tablets can be crushed and dispersed in water for oral administration in patients unable to swallow capsules.<br>Lansoprazole orodispersible tablets can be dissolved in 10ml of water and administered via an 8Fr NG tube without blockage.<br>For <b>paediatric patients</b> with an NG tube <b>smaller than 8Fr only</b> , omeprazole 20mg/10ml (extemporaneous preparation can be made by the Pharmacy Department)<br>Reverse substitutions apply when patient able to swallow. |
| Pyridoxine 10mg tablet OD<br>OR<br>Pyridoxine 20mg tablet OD                                                                      | Pyridoxine 50mg tablet OD<br><b>For adults patients only.</b>                                                                                         | For prophylaxis of isoniazid induced neuropathy. For use during supply shortage. For adults patients only.                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Quinine sulphate 200mg tablet nocte<br>OR                                                                                         | Quinine sulphate 300mg tablet ONE tablet <i>nocte</i>                                                                                                 | Formulary compliance.<br>Interaction with digoxin not clinically                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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| Quinine bisulphate 300mg tablet nocte                                   |                                                                                                                                                                                                      | significant                                                                                                                                                                                                              |
| Quetiapine MR (modified-release) tablets                                | Quetiapine standard-release tablets<br>Re-written at same daily dose administered as bd.<br>Eg: 50mg MR od $\equiv$ 25mg bd                                                                          | Formulary compliance.                                                                                                                                                                                                    |
| Rifater® (rifampicin 120mg, isoniazid 50mg, pyrazinamide 300mg) tablets | If patient under 50kg:<br>Rifinah® 150/100 3 tablets once a day + pyrazinamide 1.5g once a day<br><br>If patient 50kg or more:<br>Rifinah® 300/150 2 tablets once a day + pyrazinamide 2g once a day | Substitute separate tablets / capsules when there is a supply problem with combination                                                                                                                                   |
| Rifinah® 300/150 2 tablets once a day                                   | Rifampicin capsules 600mg once a day + isoniazid tablets 300mg once a day                                                                                                                            | Substitute separate tablets / capsules when there is a supply problem with combination                                                                                                                                   |
| Rifinah® 150/100 3 tablets once a day                                   | Rifampicin capsules 450mg once a day + isoniazid tablets 300mg once a day                                                                                                                            | Substitute separate tablets / capsules when there is a supply problem with combination                                                                                                                                   |
| Ropinirole modified release (MR) tablets                                | Immediate release (IR) ropinirole tablets<br>Re-written at same total daily dose administered as tds.<br>Eg: 24mg MR od $\equiv$ 8mg tds                                                             | If patient is unable to swallow and/or has a feeding tube (e.g. nasogastric tube) in situ for medication administration.<br><br>See MIL (Vol. 8, No. 8) for NBM/dysphagic in Parkinson's Disease for further information |
| Timolol 0.5% (preserved) eye drops                                      | Timolol 0.25% (preserved) eye drops                                                                                                                                                                  | Formulary compliance.<br><br>Timolol 0.25% has similar efficacy to timolol 0.5% but with decreased side effects. See <a href="#">glaucoma &amp; ocular hypertension treatment guidelines</a>                             |
| Timolol 0.5% & 0.25% preservative free unit dose eye drops              | Timolol 0.1% unit dose eye gel preservative free (Tiopex®)<br>Amend frequency to ONCE daily.                                                                                                         | Formulary compliance.<br><br>Timolol 0.1% has similar efficacy to timolol 0.5% but with decreased side effects. See <a href="#">glaucoma &amp; ocular hypertension treatment guidelines</a>                              |
| Tolterodine XL capsules 4mg                                             | Tolterodine tablets 2mg bd                                                                                                                                                                           | Formulary compliance in those where there is no documented intolerance to standard release                                                                                                                               |

**LEVEL 2: SUBSTITUTIONS REQUIRE KNOWLEDGE OF THE PATIENT OR ACCESS TO CLINICAL INFORMATION AND SO ARE ACTIONED AT WARD/CLINIC LEVEL ONLY.**

| Prescribed Medication                                       | Substitutions / Prescription Change                                                                                                                                                               | Other Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| Carbamazepine oral therapy                                  | Carbamazepine suppositories.<br><i>Where:</i><br>100mg oral preparation $\equiv$ 125mg suppository<br>Maximum of 250mg at any single dose and 1g daily.                                           | If oral therapy temporarily not possible.*<br>For short-term management of epilepsy only (max. 7 days).<br>Final adjustment as per clinical response.                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Ciprofloxacin 200-400mg bd intravenously                    | Ciprofloxacin 500mg bd orally                                                                                                                                                                     | Switch to oral if the patient is taking other oral medication unless the intravenous route only is specifically recommended in the <a href="#">Antimicrobial Guidelines</a> or by Microbiology / Infectious Diseases.                                                                                                                                                                                                                                                                                                                                                      |
| Clarithromycin 500mg bd intravenously                       | Clarithromycin bd orally                                                                                                                                                                          | Switch to oral if the patient is taking other oral medication unless the intravenous route only is specifically recommended in the <a href="#">Antimicrobial Guidelines</a> or by Microbiology / Infectious Diseases.                                                                                                                                                                                                                                                                                                                                                      |
| Clindamycin 600mg qds intravenously                         | Clindamycin 450mg tds orally                                                                                                                                                                      | Switch to oral if the patient is taking other oral medication unless the intravenous route only is specifically recommended in the <a href="#">Antimicrobial Guidelines</a> or by Microbiology / Infectious Diseases.                                                                                                                                                                                                                                                                                                                                                      |
| Diclofenac (oral, rectal, IV)<br>(newly initiated for pain) | Ibuprofen 200-400mg tds<br>OR<br>Naproxen 250mg-500mg bd<br><br>NB: diclofenac may be used in: <a href="#">A+E</a> , <a href="#">Maternity</a> and young healthy adults for short term analgesia. | Do not substitute if the patient has already tried ibuprofen or naproxen and these have been unsuccessful or not tolerated.<br><br>Diclofenac is associated with an increased risk of thrombo-embolic events even when used for short term in patients with no cardiovascular risk factors. This risk does not appear to be shared by low dose ibuprofen or naproxen.<br><br>Use the lowest effective dose and for the shortest duration necessary to control symptoms.<br><br>See <a href="#">MIL: NSAID Prescribing Key Points for chronic use</a> for more information. |
| Digoxin tablets                                             | Digoxin 50 micrograms/ml liquid<br><i>Where:</i><br>62.5mcg tablet is equivalent to                                                                                                               | For administration via NG tube or in swallowing difficulty.<br>Reverse substitution when patient able                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

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|                                                                                                                                                                                                                      | 50mcg elixir due to change in bioavailability.                                                                                                                                                                                                                                                                                                                                        | to swallow.<br>See <a href="#">MIL: Guidelines for Prescribing and Administering Digoxin in adults</a> for more information.                                                                                                                                                                                                |
| Escitalopram 10mg tablets                                                                                                                                                                                            | Citalopram 20mg tablets                                                                                                                                                                                                                                                                                                                                                               | Escitalopram is active isomer of citalopram, no significant clinical advantage.<br><br>Escitalopram is however licensed for generalised anxiety disorder (GAD) where citalopram is not. Therefore do not substitute this patients.<br><br>Depression: substitute unless already failed on/intolerant of citalopram.         |
| Oral Ferrous Fumarate/Sulphate<br>ONE tablet BD/TDS<br>(if not newly initiated for treatment of anaemia)                                                                                                             | Oral Ferrous Fumarate/Sulphate<br>ONE tablet OD                                                                                                                                                                                                                                                                                                                                       | Patient compliance<br><br>Multiple daily administration of oral iron tablets may reduce iron absorption and increase risk of side effects which could reduce patient compliance.                                                                                                                                            |
| Fluconazole intravenously                                                                                                                                                                                            | Fluconazole orally – same dose                                                                                                                                                                                                                                                                                                                                                        | Switch to oral if the patient is taking other oral medication unless the intravenous route (only) is specifically recommended in the antimicrobial guidelines or by Microbiology / ID.                                                                                                                                      |
| Nystatin 100,000 units in 1ml suspension<br>1ml (100 000units) QDS until symptom control for oral thrush in a patient with suspected or confirmed COVID-19 diagnosis who cannot self-administer nystatin suspension. | Fluconazole 50mg capsules<br><br>50mg once daily for 7 days.                                                                                                                                                                                                                                                                                                                          | Alternative as per <a href="#">Antimicrobial Guidelines</a> for oral candidiasis.<br><br>Reduces frequency of administration.<br><br>Confirm allergies and interactions (e.g. drugs that prolong QT interval and CYP3A4 substrates, including RECOVERY trial drugs) prior to switch.<br><br>Avoid fluconazole in pregnancy. |
| Incorrect insulin device                                                                                                                                                                                             | Change to the patients usual insulin device where clinically appropriate and the device is available on the formulary.<br><br><u>For Example</u> <ul style="list-style-type: none"> <li>Insulin Lantus 100units/ml VIAL prescribed</li> <li>Patient usually uses a prefilled-pen</li> <li>Change prescription to:<br/>Insulin Lantus 100units/ml DISPOSABLE (Solostar) PEN</li> </ul> | Changes are limited to the device only. All changes to doses must be made by the prescriber.                                                                                                                                                                                                                                |

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| Incorrect inhaler device                                              | <p>Change to the patients usual inhaler device where clinically appropriate and the device is available on the formulary.</p> <p><u>For Example</u></p> <ul style="list-style-type: none"> <li>Salbutamol 100micrograms/ metered dry powder inhalation prescribed</li> <li>Patient usually uses an aerosol inhaler</li> <li>Change prescription to:<br/>Salbutamol 100 micrograms/ metered inhalation CFC free aerosol inhaler</li> </ul> | Changes are limited to device only. All changes to doses must be made by the prescriber.                                                                                                                                                                                                            |
| Metronidazole 500mg tds intravenously                                 | Metronidazole 400mg tds orally                                                                                                                                                                                                                                                                                                                                                                                                            | Switch to oral if the patient is taking other oral medication unless the intravenous route only is specifically recommended in the <a href="#">Antimicrobial Guidelines</a> or by Microbiology / Infectious Diseases.                                                                               |
| Moxifloxacin 400mg od intravenously                                   | Moxifloxacin 400mg od orally                                                                                                                                                                                                                                                                                                                                                                                                              | Switch to oral if the patient is taking other oral medication unless the intravenous route only is specifically recommended in the <a href="#">Antimicrobial Guidelines</a> or by Microbiology / Infectious Diseases.                                                                               |
| Paracetamol 1g QDS IV/PO in adults weighing:<br><b>Less than 40kg</b> | <p>Appropriate dose of paracetamol based on weight:</p> <p>500mg QDS</p>                                                                                                                                                                                                                                                                                                                                                                  | In severe renal insufficiency (creatinine clearance less than 30 mL/min), increase the minimum interval between each administration to 6 hours                                                                                                                                                      |
| Paracetamol 1g QDS IV/PO in adults weighing:<br><b>40kg to 50kg</b>   | <p>Appropriate dose of paracetamol based on weight:</p> <p>1g TDS</p>                                                                                                                                                                                                                                                                                                                                                                     | In severe renal insufficiency (creatinine clearance less than 30 mL/min), increase the minimum interval between each administration to 6 hours                                                                                                                                                      |
| Paracetamol IV co-prescribed with PO and PR (PO/IV/PR)                | Cross-off the IV/PR routes if it is clear that PO/enteral route is being used for other medication                                                                                                                                                                                                                                                                                                                                        | <p>Paracetamol IV and PR are considerably more expensive than oral therapy.</p> <p>Paracetamol IV PRN prescriptions are usually inappropriate – if the patient is in acute pain, a stat dose can be prescribed when appropriate.</p> <p>N.B.: <i>Paracetamol IV must be reviewed every 24h.</i></p> |

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| Paracetamol PR and/or IV route are prescribed | Re-written as PO/enteral route when it is clear that this route is being used for other medication                                                                                               |                                                                                                                                                                                                                       |
| Paracetamol IV <b>PRN</b>                     | <u>All</u> paracetamol IV PRN re-written as <i>paracetamol PO 1g qds PRN</i> if it is clear that the PO/enteral route is being used for other medication                                         |                                                                                                                                                                                                                       |
| Rifampicin intravenously                      | Rifampicin orally – same dose                                                                                                                                                                    | Switch to oral if the patient is taking other oral medication unless the intravenous route only is specifically recommended in the <a href="#">Antimicrobial Guidelines</a> or by Microbiology / Infectious Diseases. |
| Rosuvastatin                                  | Equivalent dose of simvastatin (or atorvastatin if simvastatin is not tolerated or ineffective)<br><br>Rosuvastatin 5mg $\equiv$ Simvastatin 40mg<br>Rosuvastatin 5mg $\equiv$ Atorvastatin 20mg | Formulary compliance<br><br>Do not substitute rosuvastatin until the reason for receiving it in preference to any other statin has been established.                                                                  |

**Therapy Suspension enables pharmacists to suspend prescriptions for non-urgent medication, without having to refer back to the prescriber. It also enables pharmacists to facilitate adherence to the agreed OUHFT Trust Formulary guidance.**

| Prescribed Medication and indication                                                                                                                                                    | Reason for Suspension                                                                                                                                                            | Other Information                                                                                                                                                                                                                                                                                                                                           |
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| Adcal®-D3                                                                                                                                                                               | Not clinically important to continue during severe acute admission as benefit of treatment does not outweigh risk to nursing staff whilst infectious.                            | To be suspended whilst infectious. Restart prescription once patient is discharged or no longer infectious.                                                                                                                                                                                                                                                 |
| Alendronic Acid<br>Dysphagic patients or patients unable to adhere to administration instructions<br>Or<br>When prescribed for a patient with suspected or confirmed COVID-19 diagnosis | Increased risk of oesophageal/gastric ulcer if patients unable to administer as per manufacturer's directions<br><br>Not clinically critical to continue during acute admission. | Restart prescription once patient has been deemed to have a "safe swallow" and ensure patient is counselled on how to administer oral bisphosphonates<br><br>To be suspended whilst infectious. Restart prescription once patient is discharged or no longer infectious.                                                                                    |
| Atorvastatin<br>When prescribed concomitantly with potent inhibitors of CYP3A4<br>Or<br>When prescribed for a patient with suspected or confirmed COVID-19 diagnosis                    | Increased risk of myopathy and rhabdomyolysis due to increased exposure to statin<br><br>Not clinically critical to continue during acute admission.                             | To be suspended when concomitant administration of atorvastatin and a short course of potent CYP3A4 inhibitors only (e.g acute course of macrolide).<br><br>Restart prescription once potent inhibitor course has completed.<br><br>For long term use of potent CYP3A4 inhibitors concomitantly with atorvastatin - consider reducing dose of atorvastatin. |
| Colecalciferol<br>(prophylaxis of deficiency)                                                                                                                                           | Non-formulary at OUH and not clinically important to continue during acute admission                                                                                             |                                                                                                                                                                                                                                                                                                                                                             |
| Chondroitin<br>Osteoarthritis                                                                                                                                                           | Product of low clinical effectiveness, where there is a lack of robust evidence of clinical effectiveness or there are significant safety concerns                               |                                                                                                                                                                                                                                                                                                                                                             |
| Cyanocobalamin<br>(prophylaxis of deficiency)                                                                                                                                           | Non-formulary at OUHFT and not clinically important to continue during acute admission                                                                                           |                                                                                                                                                                                                                                                                                                                                                             |
| Estradiol vaginal tablets                                                                                                                                                               | Non-formulary at OUHFT and not                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                             |

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|                                                                                                   | clinically important to continue during acute admission                                                                                              |                                                                                                                                                                                    |
| Ferrous sulfate or ferrous fumarate as prophylactic oral iron supplementation                     | Benefit of treatment does not outweigh risk to nursing staff whilst infectious.                                                                      | Restart prescription once patient is discharged or no longer infectious.<br>For treatment of symptomatic iron deficiency follow <a href="#">Intravenous Iron Replacement MIL</a> . |
| Fibrates e.g., fenofibrate, bezafibrate, gemfibrozil                                              | Benefit of treatment does not outweigh risk to nursing staff whilst infectious.                                                                      | To be suspended whilst infectious. Restart prescription once patient is discharged or no longer infectious.                                                                        |
| Glucosamine<br>Osteoarthritis                                                                     | Mechanism of action is not understood and there is limited evidence to show it is effective                                                          | See <a href="#">NICE CG177:Osteoarthritis care and management</a>                                                                                                                  |
| Herbal treatments                                                                                 | Products of low clinical effectiveness, where there is a lack of robust evidence of clinical effectiveness or there are significant safety concerns. |                                                                                                                                                                                    |
| Homeopathic Remedies                                                                              | Products of low clinical effectiveness, where there is a lack of robust evidence of clinical effectiveness or there are significant safety concerns. | See Specialist Pharmacy Service guidance on homeopathic remedies <a href="#">here</a> .                                                                                            |
| Ibandronic Acid<br>Dysphagic patients or patients unable to adhere to administration instructions | Increased risk of oesophageal/gastric ulcer if patients unable to administer as per manufacturer's directions                                        | Restart prescription once patient has been deemed to have a "safe swallow" and ensure patient is counselled on how to administer oral bisphosphonates                              |
| Methotrexate                                                                                      | Contraindicated in active infection.                                                                                                                 | Consult with specialist when appropriate to restart/ Restart when infection has subsided.                                                                                          |
| Multivitamin for prophylaxis of deficiency (not for refeeding syndrome)                           | Not clinically important to continue during acute admission as benefit of treatment does not outweigh risk to nursing staff whilst infectious.       | To be suspended whilst infectious. Restart prescription once patient is discharged or no longer infectious.                                                                        |
| Olive oil capsules<br>(Supplementation)                                                           | Products of low clinical effectiveness, where there is a lack of robust evidence of clinical effectiveness                                           |                                                                                                                                                                                    |
| Omega 3 fatty acids                                                                               | Products of low clinical effectiveness, where there is a lack of robust evidence of clinical effectiveness                                           |                                                                                                                                                                                    |
| Orlistat<br>Obesity                                                                               | Not appropriate for supply by OUH                                                                                                                    |                                                                                                                                                                                    |

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| Pravastatin<br>When prescribed concomitantly with macrolides<br>Or<br>When prescribed for a patient with suspected or confirmed COVID-19 diagnosis                                  | Increased risk of myopathy and rhabdomyolysis due to increased exposure to statin<br><br>Not clinically critical to continue during acute admission.                             | To be suspended when concomitant administration of pravastatin and a short course of macrolides only.<br>Restart prescription once macrolide course has completed.<br>For long term use of macrolide concomitantly with pravastatin consider reducing dose of pravastatin.                                                                                           |
| Risedronate<br>Dysphagic patients or patients unable to adhere to administration instructions<br>Or<br>When prescribed for a patient with suspected or confirmed COVID-19 diagnosis | Increased risk of oesophageal/gastric ulcer if patients unable to administer as per manufacturer's directions<br><br>Not clinically critical to continue during acute admission. | Restart prescription once patient has been deemed to have a "safe swallow" and ensure patient is counselled on how to administer oral bisphosphonates<br><br>To be suspended whilst infectious. Restart prescription once patient is discharged or no longer infectious.                                                                                             |
| Sildenafil<br>(Erectile dysfunction)                                                                                                                                                | Not appropriate for use in OUH                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                      |
| Simvastatin<br>When prescribed concomitantly with potent inhibitors of CYP3A4<br>or<br>When prescribed for a patient with suspected or confirmed COVID-19 diagnosis                 | Increased risk of myopathy and rhabdomyolysis due to increased exposure to statin<br><br>Not clinically critical to continue during acute admission.                             | To be suspended when concomitant administration of simvastatin and a short course of potent CYP3A4 inhibitors only (e.g acute course of macrolide).<br>Restart prescription once potent inhibitor course has completed.<br>For long term use of potent CYP3A4 inhibitors concomitantly with simvastatin consider switching to an alternate statin at a reduced dose. |
| Tadalafil<br>(Erectile dysfunction)                                                                                                                                                 | Not appropriate for use in OUH                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                      |