

Louth: Antimicrobial Guidelines - Louth Hospitals: Antimicrobial Guidelines: Antimicrobial Prophylaxis in Haematology & Oncology Patients

Indication	
Prophylaxis against muco-cutaneous candida infection (not recommended if anticipated duration of neutropenia <7 days)	
First Line Antimicrobials	
Nystatin 4mL QDS - Patient needs to be able to swish suspension in mouth and then swallow	
OR	
Fluconazole # 50mg OD PO	
# Consider potential for interactions with other drugs including those that may prolong the QT interval and drugs metabolised by CYP3A or P-gp. Please check SmPC or with pharmacy	
Indication	
Primary prophylaxis against aspergillus or mould infection, indicated for	
- Patients with acute myeloid leukaemia on induction chemotherapy or azacitidine/venetoclax - Patients on acute myeloid leukaemia on azacitidine - Patients with anticipated duration of neutropenia >10 days - Allogeneic HSCT	
For patients with prior history of invasive fungal infection (with aspergillus or other mould), always discuss antifungal prophylaxis choice with clinical microbiologist	
First Line Antimicrobials	
Posaconazole TABS "	
300mg BD on day 1	
300mg OD day 2 onwards	
#Consider potential for interactions with other drugs including those that may prolong the QT interval and drugs metabolised by CYP3A or P-gp. Please check SmPC or with pharmacy	
NB. POSACONAZOLE TABLET & LIQUID FORMS ARE NOT INTERCHANGEABLE – DOSES ARE DIFFERENT	
If posaconazole contra-indicated, discuss alternative agent with clinical microbiology team	
Indication	
Prophylaxis against reactivation of HSV, indicated for	
- Acute Myeloid Leukaemia - Myelodysplastic Syndromes on azacitidine - Aplastic Anaemia - Lymphoma on SACT or anti-CD20 maintenance - CLL on BTK inhibitor or BCL2 inhibitor - Myeloma on SACT - MPN on JAK inhibitor	
First Line Antimicrobials	
Valaciclovir 500mg OD PO	
Indication	
Prophylaxis against <i>Pneumocystis jirovecii</i> pneumonia (PJP), indicated for	
- Treatment regimens with high dose steroids OR prolonged steroid use including neutropenic and non-neutropenic patients (e.g., CNS lymphoma or brain metastases) - Purine analogue (e.g., fludarabine) - Aplastic anaemia prescribed anti-thymocyte globulin (ATG) - Alemtuzumab (Campath) - If recommended in specific chemotherapy protocol	
First Line Antimicrobials	
Co-trimoxazole 480mg OD PO	
If creatinine >250: Co-trimoxazole 480mg ALTERNATE DAYS PO	
If intolerant of or allergic to co-trimoxazole:	
Atovaquone 1500mg OD PO (take with food)	
Comments	
Co-trimoxazole (TMP-SMX) also provides prophylaxis against toxoplasmosis, nocardiosis, listeriosis, actinomycosis and infection with susceptible Enterobacterales	