

APPENDIX D: COMMON TOXICITIES OF SYSTEMIC AGENTS FOR TREATMENT OF OIS

DRUG CLASS	DRUGS	TOXICITIES
Antifungal Agents	Amphotericin B	Nephrotoxicity, infusion-related reactions, electrolyte imbalances, anaemia, thrombophlebitis, nausea, vomiting *Lipid formulation may have lower incidence of nephrotoxicity and infusion-related reactions
	Caspofungin	Headache, thrombophlebitis, facial flushing, erythema, skin rash, infusion-related reactions
	Flucytosine	Bone marrow suppression, diarrhoea, nausea, vomiting
	Fluconazole	Hepatotoxicity
	Itraconazole	Hepatotoxicity, congestive heart failure, oedema, hypokalaemia, nausea, vomiting, diarrhoea, abdominal pain
	Voriconazole	Visual disturbances, photosensitivity, skin rash, hepatotoxicity, peripheral oedema, headache, hallucination
Agents for Treating PCP	Atovaquone	Diarrhoea, rash, nausea, vomiting, headache
	Clindamycin	Diarrhoea, pseudomembranous colitis, rash
	Dapsone	Methemoglobinaemia and haemolytic anaemia (especially in patients with G6PD deficiency), neutropaenia, rash, fever, hepatitis, hyperkalaemia, peripheral neuropathy
	Pentamidine	Nephrotoxicity, infusion-related hypotension and/or arrhythmias, pancreatitis, hypoglycaemia, diabetes mellitus, hepatitis, electrolyte abnormalities
	Primaquine	Methemoglobinaemia and haemolytic anaemia (especially in patients with G6PD deficiency), abdominal cramps, nausea, vomiting
	TMP-SMX	Rash, Stevens-Johnson syndrome, bone marrow suppression, hepatotoxicity, increased serum creatinine, nausea, vomiting, crystalluria
	Trimetrexate	Bone marrow suppression, stomatitis, fever, rash, hepatitis
Anti-Toxoplasmosis Agents (for atovaquone, clindamycin, and TMP-SMX, see <i>Agents for PCP</i>)	Pyrimethamine	Neutropaenia, thrombocytopaenia, megaloblastic anaemia, rash
	Sulfadiazine	Rash, Stevens-Johnson syndrome, bone marrow suppression, crystalluria, renal insufficiency, nausea, vomiting
Antimycobacterial Agents	Amikacin	Nephrotoxicity, ototoxicity
	Azithromycin	Hepatotoxicity, ototoxicity, skin rash, urticaria, pruritus, nausea, vomiting, abdominal pain, diarrhoea
	Clarithromycin	Hepatotoxicity, ototoxicity, headache, nausea, vomiting, abdominal cramps, diarrhoea, skin rash
	Ciprofloxacin/ Levofloxacin	Nausea, vomiting, abdominal pain, diarrhoea, headache, dizziness, sleep disturbances, crystalluria, renal impairment, tendonitis, photosensitivity, neurotoxicity (especially with high-dose or in patients with renal dysfunction)
	Cycloserine	Neuropsychiatric toxicities (headache, somnolence, vertigo, tremor, dysarthria, irritability, confusion, paranoia, psychosis, etc.)
	EMB	Optic neuritis, peripheral neuropathy, headache, nausea, vomiting, anorexia, hepatotoxicity, hyperuricaemia
	INH	Hepatotoxicity, peripheral neuropathy, ataxia, optic neuritis
	Pyrizinamide (PZA)	Hepatotoxicity, hyperuricaemia, arthralgia
	Rifabutin	Hepatotoxicity, uveitis, neutropaenia, red-orange discolouration of body fluids, skin rash
	RIF	Hepatotoxicity, red-orange discolouration of body fluids, thrombocytopaenia, haemolytic anaemia, skin rash
	Streptomycin	Nephrotoxicity, ototoxicity (esp. vestibular toxicity)

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Drugs for Treatment of Viral Infections	Acyclovir	Crystalluria, nausea, vomiting, neurotoxicity (high doses, especially in patients with renal impairment—agitation, confusion, hallucination, seizure, coma), nephrotoxicity (particularly after rapid IV infusion), thrombophlebitis at peripheral IV infusion site
	Adefovir	Increase serum creatinine, nausea, vomiting, asthaenia
	Cidofovir	Nephrotoxicity, proteinuria, ocular hypotony, anterior uveitis/iritis, neutropaenia, metabolic acidosis, asthaenia <u>Side effects most likely related to co-administration of probenecid:</u> skin rash, nausea, vomiting, anorexia
	Famciclovir	Headache, nausea, vomiting, anorexia
	Foscarnet	Nephrotoxicity, electrolyte imbalances (hypocalcaemia, hypomagnesaemia, hypophosphataemia, hyperphosphataemia, hypokalaemia), penile ulceration, nausea, vomiting, anorexia, headache, seizure
	Ganciclovir	Neutropaenia, thrombocytopaenia, anaemia, catheter-related infections Oral ganciclovir: nausea, vomiting
	Interferon-alfa and Peginterferon-alfa	Flu-like syndrome (fever, headache, fatigue, myalgia) neuropsychiatric disorders (depression, suicidal ideation), neutropaenia, thrombocytopaenia, thyroid dysfunction, injection site reactions, alopecia, nausea, anorexia, diarrhoea, weight loss, development or exacerbation of auto-immune disorders, ophthalmologic disorders (e.g. retinal haemorrhage, retinal artery or vein obstructions, cotton wool spots)
	3TC	Nausea, vomiting, pancreatitis in children
	Ribavirin	Haemolytic anaemia, leukopaenia, hyperbilirubinaemia, nausea, vomiting, anorexia, dyspepsia, skin rash
	Valacyclovir	Nausea, vomiting, headache At a very high dose of 8g/day: thrombotic thrombocytopaenic purpura-haemolytic uremic syndrome reported in advanced HIV patients and in transplant recipients
	Valganciclovir	Neutropaenia, thrombocytopaenia, anaemia, nausea
Anti-Parasitic Agent	Albendazole	Nausea, vomiting, hepatotoxicity, hypersensitivity, neutropaenia, dizziness, headache
	Benznidazol	Peripheral neuropathy, bone marrow suppression, skin rash
	Fumagillin (investigational)	<u>Oral therapy:</u> neutropaenia, thrombocytopaenia, vertigo, nausea, vomiting, diarrhoea, anorexia, abdominal cramps <u>Ocular therapy:</u> minimal systemic effect or local effect
	Pentavalent antimony	Serum transaminase elevation, amylase, lipase elevations, pancreatitis, thrombophlebitis, prolonged QT interval and T wave inversion; rarely, arrhythmias
Treatment for Syphilis	Ceftriaxone	Cholelithiasis, skin rash, bone marrow suppression, injection site reactions (IM administration)
	Doxycycline	Photosensitivity reaction, nausea, vomiting, oesophageal ulceration
	Erythromycin	Nausea, vomiting, abdominal pain, hepatotoxicity, cholestatic jaundice, ototoxicity (hearing loss, tinnitus), skin rash; rarely, cardiac arrhythmia
	Penicillin G	<u>All Penicillin G Preparations:</u> hypersensitivity reactions (immediate or delayed reaction), bone marrow suppression, drug fever <u>Benzathine Penicillin G:</u> injection site reactions—pain, erythema <u>Procaine Penicillin G:</u> injection site reactions—pain, erythema <u>Aqueous Crystalline Penicillin G:</u> thrombophlebitis, neurotoxicity at high doses (esp. in patients with renal dysfunction)