

HIV and Eye Diseases: Our Experience & Review of Literature.

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Table 1: Treatment for CMV Retinitis

Medication	Route	Induction Dose	Maintenance Dose	Adverse Effects
Ganciclovir	Intravenous	5mg/kg bid for 2-3 weeks	5-10mg/kg/day	Neutropenia, anemia, thrombocytopenia, liver toxicity
	Oral	-	1gm tid	Same as intravenous ganciclovir
	Intravitreal	400-2000ug twice/week	400-2000ug once/week	Vitreous hemorrhage, retinal detachment, endophthalmitis
	Intraocular Sustained-release Implant	4-6mg pellet implanted through pars-plana	Replaced every 6-8 months	Vitreous hemorrhage, retinal detachment, cataract, endophthalmitis, Extraocular CMV, fellow-eye CMV, dislocated implants
Foscarnet	Intravenous	90mg/kg bid for 2-3 weeks	90-120mg/kg/d	Elevated creatinine, decreased Ca, Mg, K; Tetany
	Intravitreal	2400ug twice/week	2400ug once/week	Vitreous hemorrhage, retinal detachment
Cidofovir	Intravenous	5mg/kg weekly for 2 weeks	5mg/kg every other week	Proteinuria, Renal failure, Neutropenia, Uveitis
	Intravitreal	15ug/0.1ml	15ug/0.1ml every 6 weekly	Uveitis, ocular hypotony, Vitreous hemorrhage, retinal detachment, IRU
Valganciclovir	Oral	900mg bid for 3 weeks	900mg/d	Neutropenia, anemia, thrombocytopenia
Fomivirsen	Intravitreal	330 ug on days 1 and 15	330 ug monthly	Vitreous hemorrhage, retinal detachment, endophthalmitis, iritis