	Dosage/Regimen	Comment	
Mucocutaneous HSV Ir Infections in Immunos			
Acute symptomatic first or recurrent episodes	Oral acyclovir, 400 mg qid, famciclovir, 500 mg PO tid, or valacyclovir, 1 mg PO bid, for 7–10 days is effective. In severe cases, IV acyclovir, 5 mg/kg q8h, is given.	Treatment duration may be 7–14 days.	
Suppression of reactivation disease	IV acyclovir, 5 mg/kg q8h, valacyclovir, 500 mg PO bid, or oral acyclovir, 400–800 mg 2–3 times per day, prevents recurrences during the immediate 30-day posttransplantation period.	Suppression of clinical HSV-2 is routine for patients undergoing stem cell and organ transplant. Valacyclovir, 2 g 4 times daily, is also effective in preventing CMV infection. Valacyclovir, 4 g 4 times dail has been associated with TTP after extended use in HIV-positive patients. In HIV-infected patients, oral famciclovir, 500 mg bid, is effective in reducing clinical and subclinical reactivations of HSV-1 and HSV-2. If using acyclovir in HIV-infected patients, we generally start with the lower dose of 400 mg twice daily and increase to 800 mg twice daily if breakthrough recurrences occur. <i>Note</i> : Once-daily dosing of valacyclovir, 500 mg to 1 g, should be avoide in HIV-infected patients owing to concerns regarding lower efficacy	
Symptomatic recurrent genital herpes in HIV-1– infected patients	Oral acyclovir, 400 mg tid \times 5–10 days Valacyclovir, 1000 mg bid \times 5–10 days Famciclovir, 500 mg PO bid \times 5–10 days		
Infections in Immunoco Genital Herpes	ompetent Patients		
First episodes	Oral acyclovir, 400 mg tid (V) or 200 mg 5 times per day (I) × 7–10 days Oral valacyclovir, 1000 mg bid × 7–10 days (I) Famciclovir, 250 mg tid × 7–10 days (I) IV acyclovir, 5 mg/kg q8h for 5 days, is given for severe disease or neurologic complications such as aseptic meningitis.	Treatment can be extended if healing is incomplete after 10 days of therapy.	
Symptomatic recurrent genital herpes	Oral acyclovir, 400 mg tid × 5 days (V), 800 mg PO tid × 2 days or bid × 5 days (II) Valacyclovir, 500 mg bid × 3 days (I) or 1 g daily × 5 days (I) Famciclovir, 125 mg bid for 5 days (I), 1 g bid for 1 day (I), or 500 mg once then 250 mg PO bid × 3 doses (I)	All these therapies are effective in shortening lesion duration. Short-course options (1, 2, or 3 days of therapy) should be considered based on increased convenience, likelihood of adherence and reduced cost and are listed in bold. Given the brief period of viral replication and rapid evolution of lesions, patients should be given drugs for self-administration when prodromal symptoms occur	
Suppression of recurrent genital herpes	Oral acyclovir, 400 mg bid (I) Valacyclovir, 500 mg daily (I) or 1000 mg daily (I) or 250–500 mg bid (I) prevents symptomatic reactivation. Patients with frequent reactivation (<9 episodes/yr) can take valacyclovir 500 mg daily; patients with >9 episodes/yr should take valacyclovir 1000 mg/ daily or 500 mg bid. Famciclovir, 250 mg bid (I)	Consider in patients with frequent (>6 episodes) or severe recurrences in immunocompromised patients, or as an adjunct to prevent transmission.	
Orolabial HSV Infection	ns		
First episode	Oral acyclovir, 15 mg/kg (up to 200 mg) 5 times per day (II) or 400 mg tid (V) × 7 days Famciclovir, 500 mg bid (V) Valacyclovir, 1000 mg bid (V) × 7 days		
Recurrent episodes	Oral acyclovir, 400 mg 5 times per day × 5 days (II) Valacyclovir, 2000 mg bid × 1 day (I) Famciclovir, 1500 mg once (I)	Self-initiated therapy with topical 1% penciclovir cream q2h during waking hours (I); topical acyclovir cream, 5% 5 times per day × 4 days (I). Short-course options should be considered based on increased convenience and likelihood of adherence and are listed i bold. Given the brief period of viral replication and rapid evolution of lesions, patients should be given drugs for self-administration when prodromal symptoms occur.	
Suppression of reactivation of orolabial HSV	Oral acyclovir, 400 mg bid (II), or valacyclovir, 500 mg or 1000 mg daily (II), or famciclovir, 500 mg bid (V)	Consider in patients with frequent (>6 episodes) or severe recurrence in immunocompromised patients, or as an adjunct to prevent transmission.	

	Dosage/Regimen	Comment
Herpetic Whitlow		
	Oral acyclovir, 200 mg 5 times daily for 7–10 days	
HSV Proctitis		
	Oral acyclovir, 400 mg 5 times per day, is useful in shortening the course of infection.	In immunosuppressed patient acyclovir, 5 mg/kg q8h, ma
Herpetic Eye Infection	ns	
		In acute keratitis, topical trifl acyclovir, penciclovir, and it may be required; topical co Chapter 113).
CNS HSV Infections		
HSV encephalitis	IV acyclovir, 10 mg/kg q8h (30 mg/kg/day) for 14–21 days	
HSV aseptic meningitis	IV acyclovir, 30 mg/kg/day for 7–10 days	No studies of systemic antivi
Autonomic radiculopathy		No studies are available.
Neonatal HSV Infecti	ons	
	Acyclovir, 60 mg/kg/day divided into 3 doses × 21 days	Monitoring for relapse shoul recommend continued sup 3–4 mo.
Visceral HSV Infection	ns	
HSV esophagitis	IV acyclovir, 15 mg/kg/day	In some patients with milder therapy with valacyclovir o
HSV pneumonitis		No controlled studies exist. I' considered.
Disseminated HSV In	fections	
		No controlled studies exist. I' should be given. No defini decreases risk of death.
Erythema Multiforme	e-Associated HSV	
		Anecdotal observations sugg or valacyclovir, 500 mg bio
Surgical Prophylaxis		
		Several surgical procedures of nerve root decompression, associated with HSV reacti acyclovir, 800 bid, valacycl effective in reducing reacti before surgery and continu
Infections With Acycl	lovir-Resistant HSV	
	IV foscarnet, 40 mg/kg q8h, should be given until lesions heal. IV	Imiquimod is a topical altern

^aNote: I, II, III, IV, and V in parentheses represent level of evidence.

CMV, Cytomegalovirus; CNS, central nervous system; HIV, human immunodeficiency virus; HSV, herpes simplex virus; IV, intraveno thrombocytopenic purpura.

is not commercially available pharmacy. These topical pre once daily for 5 consecutive

cidofovir, 5 mg/kg once weekly, may also be effective.

Modified from Cernik C, Gallina K, Brodell RT. The treatment of herpes simplex infections: an evidence-based review. Arch Intern S, Aoki FY, Tyring S, et al. Short-course therapy for recurrent genital herpes and herpes labialis: entering an era of greater convenienced cost. J Fam Pract. 2007;56:30–36.