

SUPPORT DOCUMENT II: Oral Antiviral Agents*

	Acyclovir	Famciclovir	Valacyclovir
Brand	Zovirax®	Famvir®	Valtrex®
Generic Available	Yes	Yes	Yes
Adult Indications	<p align="center"><u>HSV</u></p> <ol style="list-style-type: none"> 1. Genital infection 2. Encephalitis 3. Mucocutaneous <p align="center"><u>VZV</u></p> <ol style="list-style-type: none"> 1. Shingles 2. Chickenpox <p align="center"><u>Immunocompromised Patients</u></p> <ol style="list-style-type: none"> 1. Prevention of HSV reactivation (HIV and HSCT) 2. Prevention of VZV reactivation (HSCT) 3. Treatment of disseminated HSV or VZV (cancer) 4. Treatment of suspected HSV or VZV encephalitis (cancer) 5. Treatment of episodic HSV infection (HIV) 	<p align="center"><u>HSV</u></p> <ol style="list-style-type: none"> 1. Genital infection 2. Encephalitis 3. Recurrent labialis <p align="center"><u>VZV</u></p> <ol style="list-style-type: none"> 1. Shingles 2. Chickenpox <p align="center"><u>Immunocompromised Patients</u></p> <ol style="list-style-type: none"> 1. Recurrent mucocutaneous/genital (HIV) 2. Prevention of HSV reactivation (HIV) 	<p align="center"><u>HSV</u></p> <ol style="list-style-type: none"> 1. Genital infection 2. Labialis <p align="center"><u>VZV</u></p> <ol style="list-style-type: none"> 1. Shingles 2. Chickenpox <p align="center"><u>Immunocompromised Patients</u></p> <ol style="list-style-type: none"> 1. Treatment of HSV or VZV (Cancer) 2. CMV prophylaxis (HSCT)
Pediatric Indications	<p align="center"><u>HSV</u></p> <ol style="list-style-type: none"> 1. Genital infection 2. Encephalitis 3. Mucocutaneous 4. Neonatal 5. Prevention of reactivation (HIV exposed or positive patients, HSCT) 	none	<p align="center"><u>HSV</u></p> <ol style="list-style-type: none"> 1. Labialis <p align="center"><u>VZV</u></p> <ol style="list-style-type: none"> 1. Chickenpox

	<u>VZV</u> 1. Shingles 2. Chickenpox 3. Acute retinal necrosis (HIV exposed or positive patients)		
Pediatric Age	> 2 years old (neonatal indication)	> 18 years old	> 2 years old
U.S. Dosage Forms	<u>Oral</u> Capsule Tablet Suspension <u>IV</u> Powder Solution	<u>Oral</u> Tablet	<u>Oral</u> Caplets (suspension can be prepared from 500mg caplets)
Disease Related Concerns	1. Renal impairment	1. Renal impairment	1. Renal impairment
Dosage Concerns		1. Lactose intolerance	
Warnings	1. Acute renal failure 2. TTP	1. Acute renal failure	1. TTP/HUS 2. Acute renal failure 3. CNS (agitation, hallucination, encephalopathy)
Pregnancy Category	B	B	B
Dosing Frequency (Chronic Suppressive HSV Therapy)	BID	BID	QD
Adult Half Life	3 hours	2–4 hours	2.5–3 hours

*Based on FDA Prescribing Information.

HSCT: Hematopoetic stem cell transplantation

TTP: Thrombotic thrombocytopenic purpura

HUS: Hemolytic uremic syndrome