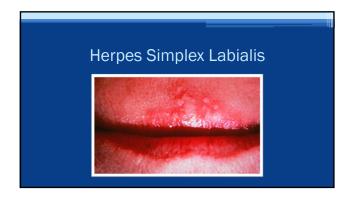




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Most Widely Used Systemic
Anti-HSV and VZV Drugs

• Acyclovir (ACV, Zovirax)

• Famciclovir (FCV, Famvir)

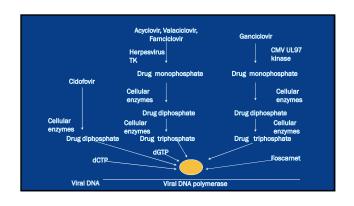
• Valacyclovir (VACV, Valtrex)

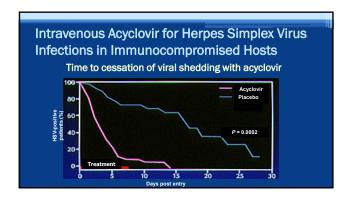
• Foscarnet (PFA, Foscavir)

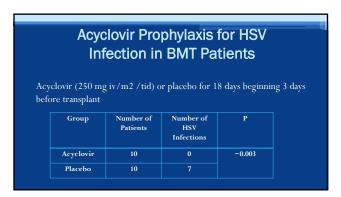
• Ganciclovir (GCV, Cytovene)

• Val-Ganciclovir (Valcyte)

• Others:

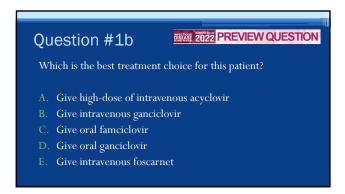


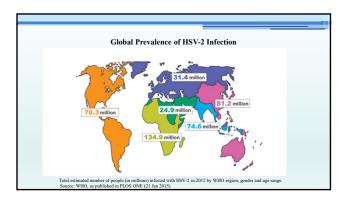






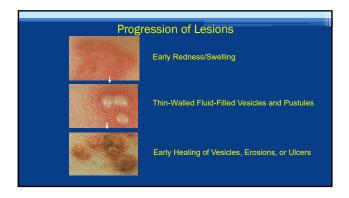




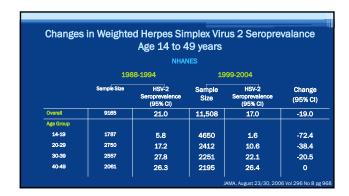


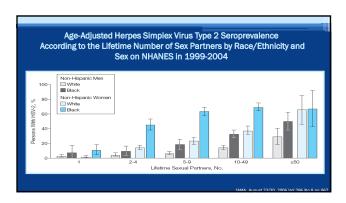


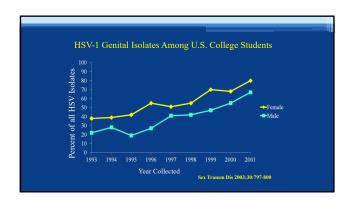


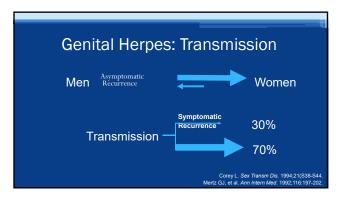


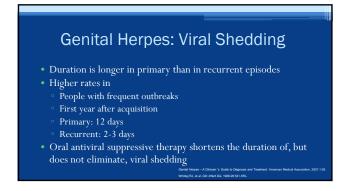


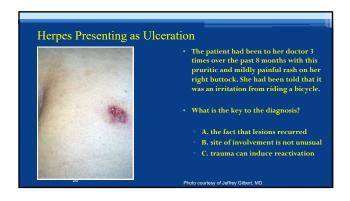


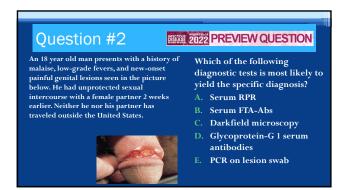




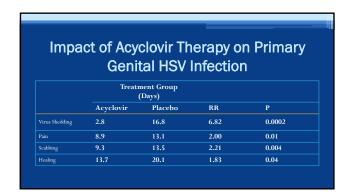


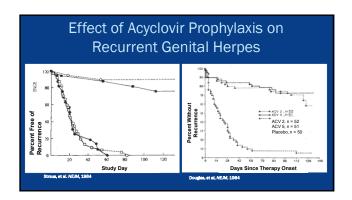






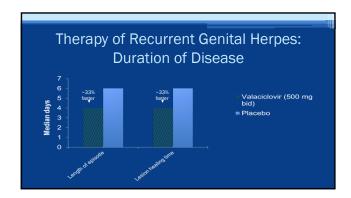


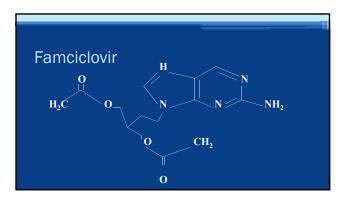


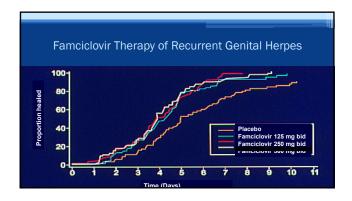




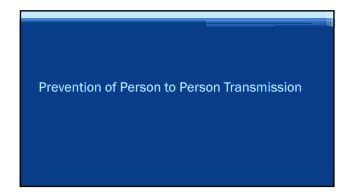
Acyclovir/Valacyclovir Kinetics			
DRUG	DOSE	PHARMACOKINETICS	
		C _{max} (µg/mL)	Daily AUC (μg/mL•h)
VALTREX	1 g 3x/d	5.0	
Oral ZOVIRAX	800 mg 5x/d	1.6	
IV ZOVIRAX	5 mg/kg 3x/d	9.8	
	10 mg/kg 3x/d	20.7	

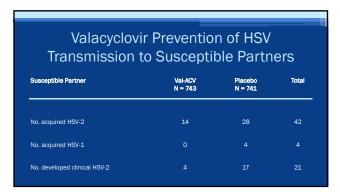


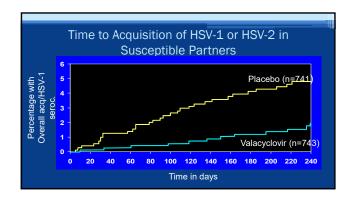


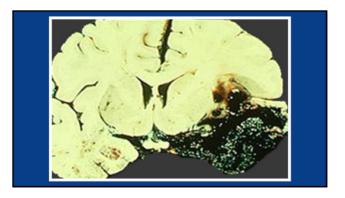


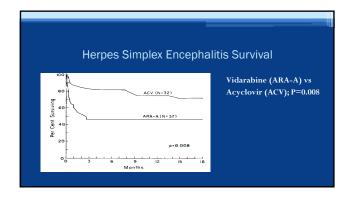


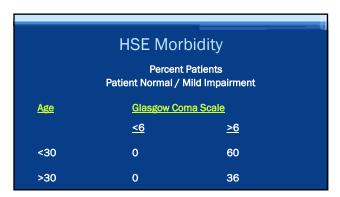


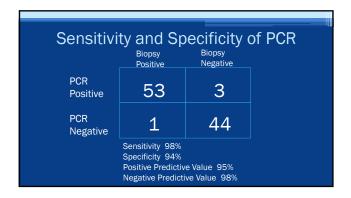


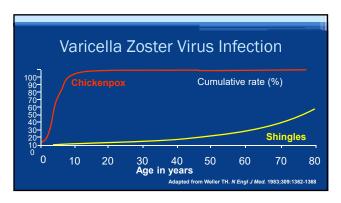




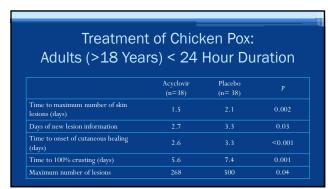


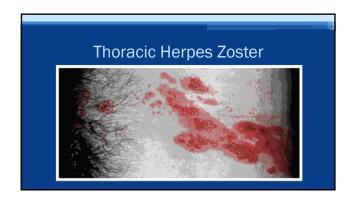








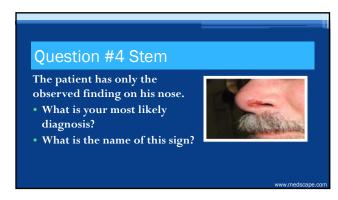






Speaker: Richard Whitley, MD







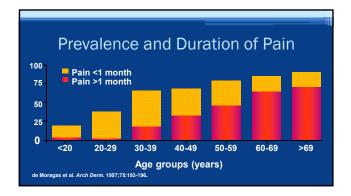




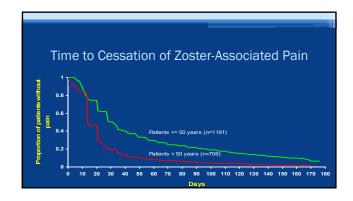
NATURAL HISTORY OF ZOSTER IN THE NORMAL HOST • Acute neuritis may precede rash by 48 - 72 hours • Maculopapular eruption, followed by clusters of vesicles • Unilateral dermatomal distribution

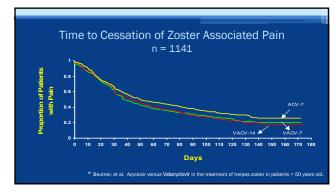




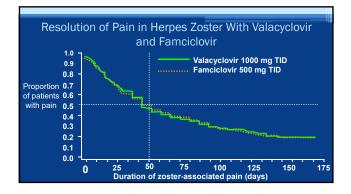


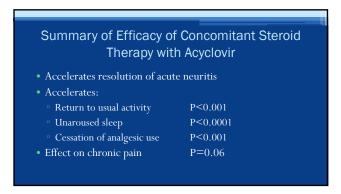




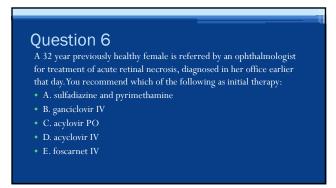


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METHODS OF PREVENTING /
MODIFYING VARICELLA

Pre-exposure: Oka varicella vaccine

Post-exposure: VZIG (now available in US)

Oka varicella vaccine
(<3 days after exposure)

Acyclovir
(7-14 days after exposure)

Shingles Prevention Trial: Zostavax • Attenuated, live virus (approved 2006) • Efficacy but waning of immunity with time • Burden Of Illness 61.1% (51.1 – 69.1%) • Post-Herpetic Neuralgia 66.5% (47.5 – 79%) • Incidence of Herpes Zoster 51.3% (44.2 – 57.6%)

