Two Flap Innovations Lessen Need for Revision

BY TIMOTHY F. KIRN Sacramento Bureau

PALM DESERT, CALIF. — An island pedicle flap can easily be elongated to accommodate facial anatomy and a pedicle graft for the ear's conchal bowl can come from the back of the ear. two dermatologists said in a session titled, "My Favorite Flap" at the annual meeting of the American Society for Dermatologic Surgery.

The island pedicle flap is a modest, un-

BRIEF SUMMARY: Please see package insert for full prescribing infor

Herpes Simplex Infections: Famvir is indicated for:

nents, and Denavir® (penciclovir cream).

es Zoster: Famvir@ (famciclovir) is indicated for the treatment of acute herpes zoster (shingles)

r® (famciclovir) is contraindicated in patients with known hypersensitivity to the product, its compo-

The efficacy of Famvir[®] (famciclovir) has not been established for initial episode genital herpes infection, ophthalmic zoster, disseminated zoster or in immunocompromised patients with herpes zoster.

Dosage adjustment is recommended when administering Famvir to patients with repession. deformation of the second second

Famvir 125 mg, 250 mg and 500 mg tablets contain lactose (26.9 mg, 53.7 mg and 107.4 mg, respectively). Patients with rare hereditary problems of galactose intolerance, a severe lactase deficiency or glucose-galactose malabsorption should not take Famvir 125 mg, 250 mg and 500 mg tablets.

Information for Patients Patients should be informed that Famvir is not a cure for genital herpes. There are no data evaluating whether Famvir will prevent transmission of infection to others. As genital herpes is a sexually transmitted disease, patients should avoid contact with lesions or intercourse when lesions and/or symptoms are pres-ent to avoid infecting partners. Genital herpes can also be transmitted in the absence of symptoms through asymptomatic viral shedding. If medical management of recurrent episodes is indicated, patients should be advised to initiate therapy at the first sign or symptom.

There is no evidence that Famvir will affect the ability of a patient to drive or to use machines. However, patients who experience dizziness, somnolence, confusion or other central nervous system disturbances while taking Famvir should refrain from driving or operating machinery.

current use with probenecid or other drugs significantly eliminated by active renal tubular secretion may

The conversion of 6-deoxy penciclovir to penciclovir is catalyzed by aldehyde oxidase. Interactions with other

treatment or suppression of recurrent genital herges in immunocompetent patients.
treatment of recurrent herges labialis (cold sores) in immunocompetent patients.
treatment of recurrent mucocutaneous herges simplex infections in HIV-infected patients.

Famvir®

(famciclovir)

INDICATIONS AND USAGE

CONTRAINDICATIONS

Information for Patients

Drug Interactions

result in increased plasma concentrations of penciclovir.

drugs metabolized by this enzyme could potentially occur Carcinogenesis, Mutagenesis, Impairment of Fertility Famciclovir was administered orally unless otherwise stated

PRECAUTIONS

Tablets

Rx only

dramatic flap that can be used to turn a round defect into a long slim defect that is easy to close, said Dr. David S. Becker, a Mohs surgeon in New York.

It does not, however, always have to be triangular in shape. In locations such as the upper lip or near the evebrow it can be elongated to avoid creating deformity of facial features such as the vermillion, with two parallel sides before the taper.

In that case, it becomes a pentagonal pedicle, rather than a triangle, he said.

Elongating the taper also can make the defect easier to close, with less tension, he added.

In the right location, this flap rarely fails, and "if you loosen them up properly, they just float into place on a cloud of adipose tissue," Dr. Becker said.

Dr. Arash Kimvai-Asadi said that he repairs surgical defects of the front of the ear by taking a pedicle flap from the back, which he then threads through a small slit made through the cartilage.

Usage in Children Safety and efficacy in children under the age of 18 years have not been established.

Geriatric Use 08 all barriers with herpes zoster in clinical studies who were treated with Famvir, 248 (30.4%) were ≥65 years of age and 103 (13%) were ≥75 years of age. No overall differences were observed in the incidence or types of adverse events between younger and older patients.

Of 610 patients with recurrent herpes simplex (type 1 or type 2) in clinical studies who were treated with Famvir, 26 (4.3%) were ≥65 years of age and 7 (1.1%) were ≥75 years of age. Clinical studies of Famvir did not include sufficient numbers of subjects aged 65 and over to determine whether they respond differently from younger subjects.

In general, appropriate caution should be exercised in the administration and monitoring of FAMVIR in elderly patients reflecting the greater frequency of decreased hepatic, renal, or cardiac function, and of concomitant disease or other drug therapy.

ADVERSE REACTIONS etent Patients

Immunocompetent Patients The safety of Famvir® (tamciclovir) has been evaluated in clinical studies involving 816 Famvir-treated patients with herpes zoster (Famvir, 250 mg t.i.d. to 750 mg t.i.d.); 163 Famvir-treated patients with recur-rent genital herpes (Famvir, 1000 mg b.i.d.); 1,197 patients with recurrent genital herpes treated with famv as suppressive therapy (125 mg q.d. to 250 mg t.i.d.) of which 570 patients received Famvir (open-labeled and/or double-blind) for at least 10 months; and 447 Famvir-treated patients with herpes labialis (Famvir, 1500 mg once or 750 mg b.i.d.). Table 5 lists selected adverse events.

Table 5 Selected Adverse Events (all grades and with

out regard to causality) Reported by ≥2% of Patients in Placebo-controlled Famvir® (famciclovir) Trials

Event	Herpes Zoster [†]		Recurrent Genital Herpes [‡]		Genital Herpes- Suppression§		Herpes Labialis‡	
	Famvir [®] 500 mg t.i.d* (n=273) %	Placebo (n=146) %	Famvir® 1 gram b.i.d.* (n=163) %	Placebo (n=166) %	Famvir® 250 mg b.i.d.* (n=458) %	Placebo (n=63) %	Famvir® 1500 mg single dose* (n=227) %	Placebo (n=254) %
Nervous System								
Headache	22.7	17.8	13.5	5.4	39.3	42.9	9.7	6.7
Paresthesia	2.6	0.0	0.0	0.0	0.9	0.0	0.0	0.0
Migraine	0.7	0.7	0.6	0.6	3.1	0.0	0.0	0.0
Gastrointestinal								
Nausea	12.5	11.6	2.5	3.6	7.2	9.5	2.2	3.9
Diarrhea	7.7	4.8	4.9	1.2	9.0	9.5	1.8	0.8
Vomiting	4.8	3.4	1.2	0.6	3.1	1.6	0.0	0.0
Flatulence	1.5	0.7	0.6	0.0	4.8	1.6	0.0	0.0
Abdominal Pain	1.1	3.4	0.0	1.2	7.9	7.9	0.0	0.4
Body as a Whole								
Fatigue	4.4	3.4	0.6	0.0	4.8	3.2	1.3	0.4
Skin and Appendages								
Pruritus	3.7	2.7	0.0	0.6	2.2	0.0	0.0	0.0
Rash	0.4	0.7	0.0	0.0	3.3	1.6	0.0	0.0
Reproductive Female								
Dysmenorrhea	0.0	0.7	1.8	0.6	7.6	6.3	0.9	0.0

The following adverse events have been reported during post-approval use of Famvir: urticaria, hallucina-tions and confusion (including delirium, disorientation, confusional state, occurring predominantly in the elderly). Because these adverse events are reported voluntarily from a population of unknown size, estimates of frequency cannot be made. Table 6 lists selected laboratory abnormalities in genital herpes suppression traine.

Table 6

Selected Laboratory Abnormances in demital herpes Suppression Statles					
Parameter	Famvir® (n=660)† %	Placebo (n=210)† %			
Anemia (<0.8 x NRL)	0.1	0.0			
Leukopenia (<0.75 x NRL)	1.3	0.9			
Neutropenia (<0.8 x NRL)	3.2	1.5			
AST (SGOT) (>2 x NRH)	2.3	1.2			
ALT (SGPT) (>2 x NRH)	3.2	1.5			
Total Bilirubin (>1.5 x NRH)	1.9	1.2			
Serum Creatinine (>1.5 x NRH)	0.2	0.3			
Amylase (>1.5 x NRH)	1.5	1.9			
Linase (S1 5 x NBH)	49	47			

*Percentage of patients with laboratory abnormalities that were increased or decreased from baseline and were outside of specified ranges

t n values represent the minimum number of patients assessed for each laboratory parameter. NRH = Normal Range High.

NRL = Normal Range Low.

HIV-Infected Patients

r famciclovir (500 mg twice daily; ache (16.7% vs. 15.4%), nausea i%), fatigue (4.0% vs. 2.1%), and In HIV-infected patient n=150) and acyclovir (10.7% vs. 12.6%), d abdominal pain (3.3% vs. 5.6%)

Post Marketing Experience The following adverse events have been reported during post-approval use of Famvir: uticaria, serious skin reactions (e.g., erythema multiforme), jaundice, thrombocytopenia, hallucinations, dizziness, somnolence and confusion (including delirium, disorientation, confusional state, occurring predominantly in the elderly). Because these adverse events are reported voluntarily from a population of unknown size, estimates of fre-quency cannot be made.

Store at 25°C (77°F); excursions permitted to 15-30°C (59-86°F) [see USP Controlled Room Temperature]

T2006-71

REV: JULY 2006 Distributed by: uticals Corp. Novartis Pha East Hanover, NJ 07936 ©Novartis

This transcartilage, tubed, pedicle flap, as he has named it, works particularly well for defects in the conchal bowl, the triangular fossa, and the antihelix, said Dr. Kimyai-Asadi, who practices Mohs surgery in Houston.

It solves the problem of closing defects in the ear, where there is not a lot of loose skin, and he has used it to close defects 3 cm in diameter.

He said he has done 31 cases so far and has had no need for revisions, though because of swelling in the concha he has injected triamcinolone a few times.

The flap "works so well, I am using it for smaller and smaller defects now," he added. The ideal defect for the approach is one that is about 1 cm in diameter.

He makes the flap from skin on the back of the ear close to the postauricular sulcus. Then he makes what is usually a 4-mm wide incision through the cartilage, through which the pedicle flap is threaded. It is then sewn into place, and the pedicle defect is closed.

"It is a very vascular area, so you don't need a large pedicle," he said.

Because the skin matches well, "most of the time, they are very difficult to see post op," he noted.



The flap is threaded from the posterior ear through a slit in the cartilage.



The flap is shown being put into place over the defect.

Preventive Services For Employers

The Agency for Healthcare Research and Quality and the nonprofit National Business Group on Health offer "A Purchaser's Guide to Clinical Preventive Services: Moving Science Into Coverage.' Developed in collaboration with the Centers for Disease Control and Prevention, the guide contains preventive services recommended by the U.S. Preventive Services Task Force and the CDC. For more information, visit www.businessgrouphealth. org/prevention/purchasers.

Carcinogenesis: Two-year dietary carcinogenicity studies with famciclovir were conducted in rats and mice. An increase in the incidence of mammary adenocarcinoma (a common tumor in animals of this strain) was seen in female rats receiving the high dose of 600 mg/kg/day (1.1 to 4.5x the human systemic exposure at the recommended total daily oral dose ranging between 2000 mg and 500 mg, based on area under the plasma concentration curve comparisons [24 hr AUC] for penciclovir). No increases in tumor incidence wer reported in male rats treated at doses up to 240 mg/kg/day (0.2 to 2.7x the human AUC), or in male and female mice at doses up to 600 mg/kg/day (0.3 to 1.2x the human AUC). *Patients may have entered into more than one clinical trial. †7 days of treatment ‡1 day of treatment §daily treatment

temaie mice at doses up to 600 mg/kg/day (0.3 to 1.2x the human AUC). **Mutagenesis:** Famiciclovir and penciclovir (the active metabolite of famiciclovir) were tested for genotoxic potential in a battery of *in vitro* and *in vivo* assays. Famiciclovir and penciclovir were negative in *in vitro* tests for gene mutations in bacteria (*S. typhinurium* and *E. coli*) and unscheduled DNA synthesis in mammalian HeL a 83 cells (at doses up to 10.000 and 5,000 mcg/plate, respectively). Famiciclovir was also negative in the L5178Y mouse lymphoma assay (5000 mcg/plate, respectively). Famiciclovir was also negative in that dominant lethal study (5000 mg/kg). Famiciclovir induced increases in polyploidy in human lymphocytes *in vitro* in the absence of chromosomal damage (1200 mcg/mL). Penciclovir was positive in the L5178Y mouse lymphoma assay for gene mutation/chromosomal aberrations, with and without metabolic activation (1000 mcg/mL). In human lymphocytes, penciclovir caused an increased incidence of micronuclei in mouse bone marrow *in vivo* when administered intravenously at doses highly toxic to bone marrow (500 mg/kg), but not when administered orally. when administered orally

when administered orally. Impairment of Fertility: Testicular toxicity was observed in rats, mice, and dogs following repeated adminis-tration of famciclovir or penciclovir. Testicular changes included atrophy of the seminiferous tubules, reduc-tion in sperm count, and/or increased incidence of sperm with abnormal morphology or reduced motility. The degree of toxicity to male reproduction was related to dose and duration of exposure. In male rats, decreased fertility was observed after 10 weeks of dosing at 500 mg/kg/day (1.4 to 5.7x the human AUC). The no observable effect level for sperm and testicular toxicity in rats following chronic administration (26 weeks) was 50 mg/kg/day (0.5 to 0.6x the human systemic exposure based on AUC comparisons). Testicular toxic-ity was observed following chronic administration to mice (104 weeks) and dogs (26 weeks) at doses of 600 mg/kg/day (0.3 to 1.2x the human AUC) and 150 mg/kg/day (1.3 to 5.1x the human AUC), respectively. Compilation and a static accounce and and to for mg/kg/day (1.4 to 5.7x the human AUC), respectively. Famciclovir had no effect on general reproductive performance or fertility in female rats at doses up to 1000 mg/kg/day (2.7 to 10.8x the human AUC).

Two placebo-controlled studies in a total of 130 otherwise healthy men with a normal sperm profile over an he process of the second states in a total of the second states in a normal and the process of the second states in a total of the second states in a second state of the seco ogy during treatment or during an 8 week follow-up

Pregnancy

Teratogenic Effects-Pregnancy Category B: Famciclovir was tested for effects on embryo-fetal development in rats and rabbits at oral doses up to 1000 mg/kg/day (approximately 2.7 to 10.8x and 1.4 to 5.4x the human systemic exposure to penciclovir based on AUC comparisons for the rat and rabbit, respectively) and intravenous doses of 360 mg/kg/day in rats (1.5 to 6x the human dose based on body surface area [BSA] comparisons) or 120 mg/kg/day in rabbits (1.1 to 4.5x the human dose [BSA]). No adverse effects were observed on embryo-fetal development. Similarly, no adverse effects were observed following intravenous administration of penciclovir to rats (80 mg/kg/day, 0.3 to 1.3x the human dose [BSA]) or rabbits (60 mg/kg/day, 0.5 to 2.1x the human dose [BSA]). There are, however, no adequate and well-controlled studies in pregnant women. Because animal reproduction studies are not always predictive of human response, famciclovir should be used during pregnancy only if the benefit to the patient clearly exceeds the potential risk to the fetus.

Preanancy Exposure Registry: To monitor maternal-fetal outcomes of pregnant women exposed to Famvin vartis Pharmaceuticals Corporation maintains a Famvir Pregnancy Registry. Physicians are encouraged to register their patients by calling (888) 669-6682.

Nursing Mothers

Following oral administration of famciclovir to lactating rats, penciclovir was excreted in breast milk at con-centrations higher than those seen in the plasma. It is not known whether it is excreted in human milk. There are no data on the safety of Famvir in infants.

s, the most frequently reported adverse events for
(400 mg, 5x/day; n=143), respectively, were heada
arrhea (6.7% vs. 10.5%), vomiting (4.7% vs. 3.5%