Artecoll, Under FDA Review, Offers Some Pluses

BY ANNE SCHECK Contributing Writer

NEWPORT BEACH. CALIF. - For any dermatologist who wonders whether patients will clamor for the permanent injectable Artecoll when and if it clinches approval from the Food and Drug Administration, David Ellis, M.D., has this answer: yes and no.

At a meeting sponsored by the Foundation for Facial Plastic Surgery, Dr. Ellis predicted a continuing need for a broad array of products to meet patient demand. However, he said that Artecoll may expand the patient population to include those who are squeamish about temporary fillers and want something permanent.

There is no question that the technology [for permanent filling] is now available, and that it is safer and more effective" than ever before, said Dr. Ellis, professor of otolaryngology and facial and plastic surgery at the University of Toronto.

He has been using Artecoll for about 3 years in women and men in his practice in Canada who don't want to undergo surgery for a facelift but who don't like the idea of periodic injections.

His experience with the injectable has been very favorable, consistent with reports on its use in Europe over the past decade, he said, adding that he has no financial interest in the product. However, Artecoll isn't likely to dampen enthusiasm for existing methods, he predicted at the

Genotoxicity tests performed included a rat micronucleus test and an Ames Salmonella reversion test. Both tests were negative. Reproduction studies in rats using oral doses of clindamycin hydrochloride and clindamycin palmitate hydrochloride have revealed no evidence of impaired fertility.

cindrarycin paimtate hydrochloride have revealed no evidence of impaired fertility. Pregnancy: Teratogenic effects - Pregnancy Category 8 Berpoduction studies have been profermed in rats and mice usedness of cilcidampoin paimtate hydrochloride. These studies revealed no evidence of trata harm. The highest observed the studies of the set of the paimtate hydrochloride. These studies revealed no evidence of trata harm. The highest does used in the ratio mouse teratogenicity studies was equivalent to a clinidamycin phosphate dose of 422 mg/kg. For a rat, this does is 84 fold higher, and for a mouse 42 fold higher, than the ancipated human dose of clinidamycin hosphate form Evolution based on a mg/m² comparison. There are, however, no adequate and velic-controlled studies in the pregnant women. Because animal reproduction studies are not always predictive of human response, the drug should be used during pregnancy only i clearly needd. Narriag Mothers: It is not known worther clinidamycin is socreted in human mits following use of Evocin. However, chall, and summarize the during the mother-reactions in musing infinits, a decision should be made whether to discommune narring or to discontinue the drug, taking into account the importance of the drug to the mother. Patiaria Uses: Categor and effectiveness of Evocin in children under the age of 12 have not been studied.

Geriatric Use: The clinical study with Evoclin did not include sufficient numbers of patients aged 65 and over to determine if they respond differently than younger patients. ADVERSE REACTIONS

SE REACTIONS idence of adverse events occurring in ≥1% of the patients in clinical studies ing Evoclin and its vehicle is presented below: Selected Adverse Events Occurring in ≥1% of Subjects

dverse Event	Number (%) of Subjects		
	Evoclin Foam N = 439	Vehicle Foam N = 154	
eadache	12 (3%)	1 (1%)	
pplication site burning	27 (6%)	14 (9%)	
pplication site pruritus	5 (1%)	5 (3%)	
pplication site dryness	4 (1%)	5 (3%)	
pplication site reaction, ot otherwise specified	3 (1%)	4 (3%)	

In a contact sensitization study, none of the 203 subjects developed evidence of allergic contact sensitization to Evoclin.

conact sensitization to Evocini. Orally and parentrally, administered clindiamycin has been associated with severe coliss, which may end fatally. Eases of diarrhes, bloody diarrhes, and colitis (including pseudomembranous colitis) have been reported as adverse reactions in patients treated with real and parenteral Advormal para and opstrontestimal discutrances, as were also grane regardly followed have been reported in association with the use of topical formulations of cindiamycin.

OVERDOSAGE

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Apply Evoclin once daily to affected areas after the skin is washed with mild soap and allowed to fully dry. Use enough to cover the entire affected area.



Throw away any of the unused medicine that you dispensed out of the can. Avoid contact of Evoclin with eyes. If contact occurs, rinse eyes thoroughly with water

HOW SUPPLIED

NOW SOFT SEED Evection containing clindamycin phosphate equivalent to 10 mg clindamycin per gram, is available in the following sizes: 100 gram can - NDC 63032-061-00 and 50 gram can - NDC STORAGE AND HANDLING Security startistic in the two security of 26 ST (SOE 1785).

Store at controlled room temperature 20°- 25°C (68°- 77°F). FLAMMABLE AVOID FIRE, FLAME OR SMOKING DURING AND IMMEDIATELY FOIL I OWING APPLI CATION

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connetics Corporation Palo Alto, CA 94304 USA For additional information: 1-888-500-DERM or visit www.evoclin.com

AW No: AW-0317-r3 U.S. Patent Pending



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meeting, which was also sponsored by Medical Education Resources.

Because of heightened consumer awareness, many patients know the options before they ever come in for a consultation, and they often have strong opinions.

"It is very important to match the product with the desires" of the patient, Dr. Ellis stressed.

"I still have one patient who likes collagen, and so I get it for her," he said. It isn't that she is unaware of the benefits of Artecoll; she just prefers collagen.

Artecoll is made up of polymethylmethacrylate microspheres, which are suspended in collagen. The beads, which are a microimplant, spur collagen production to fill in lines over a 2- to 3-month period, Dr. Ellis explained.

Though this technique provides longterm augmentation, it does have its drawbacks. "Even people happy with the correction will feel the implant," according to Dr. Ellis. In clinical practice, Artecoll orks best in

works best in		
grooves and		
creases, and the		
lip can be a "problem area,"		
he said. In addi-		
tion, Consumer Reports took a		
look at cosmet-		
past fall and		
noted that		
there had been preliminary re-		
ports of infec-		

Artecoll, with resulting red lines.

These lines are removed through an incision that can scar," Consumer Reports magazine stated.

Dr. Ellis said he has had almost uniformly good results, with implant longevity that matched his use of the product, beginning in 2000.

However, he noted that Artecoll, which is likely to be marketed in the United States as Artefill, will be slightly different if and when it makes its American debut. Because of concerns on the part of the U.S. government and American public over the potential for bovine spongiform encephalitis (BSE), Artefill would be derived from a pristine herd of cattle reared separately in the western United States and subjected to frequent and intensive testing for BSE.

Dr. Ellis also speculated during his presentation that Artecoll users may prefer Dermalive, a permanent filler that may eventually receive federal approval for use in the United States.

Dermalive is made of flexible particles of acrylic hydrogel and hyaluronic acid, and it is not derived from animals. "So, there is no skin test," he noted.

Dr. Ellis has been using Dermalive for at least 1 year, with equally good results. "I find that I get more even flow and avoid lumpiness.

A "few patients will get a lot of swelling and redness," when Dermalive is administered as a permanent filler, so it has some disadvantages, too, he added.



evoclin (clindamycin phosphate) Foam, 1% OR ACNE ANYWHERE

References: 1. Feldman SR, Sangha N, Setaluri V. Topical corticosteroid in foam vehicle offers comparable coverage compared with traditional vehicles. *J Am Acad Dermatol.* 2000;42:1017-1020. **2.** Data on file [001]. Connetics Corporation. **3.** EVOCI.N° prescribing information.

www.evoclin.com

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evoclin (clindamycin phosphate) Foam, 1% Rx Only For Topical USE ONLY. NOT FOR OPHTHALMIC, ORAL, OR INTRAVAGINAL USE. DESCRIPTION

DESCRIPTION Evocial (indiamycin phosphate) Foam, 1%, a topical antibiotic in a foam vehicle, contains cilidamycin phosphate, USP at a concentration equivalent to 10 mg clindamycin per gram in a vehicle consisting of carly alcohol, dehydrated alcohol (ethanol SRV), opsychate 80 go, totassium hydroxite, proplene glyco, purified vater, and stearyl alcohol, pressuriad vehit a hydrocarbon (propane)buane) propelant. Chemicaly, clindamycin plosphate is a vatars-adule estir of the semi-synthetic ambietic produced by a 7 (S) - khoro-substitution of the 7 (R)-hydroxy group of the parent antibiotic, incomycin, and has the structural formal apresented below. Figure 1: Structural formal



The chemical name for clindamycin phosphate is methyl 7-chloro-6,7.8-trideoxy-6,11-methyl-trans-4-propyl-1-2-pyrrolidinecarboxamido)-1-thio-1-three- α -0-galacto-actopyranosida 2-dilhydrogan phosphate). **CUINCLI PHAMACOLOGY Phamacokinetics:** In a nogen label, parallel group study in 24 patients with acne-vulgaris, 12 patients B male and 9 female) applied 4 grams of Clindagell[®] (indiamycin phosphate) Topical Bolt, wonce daily fort degrs, Dn byg the mean C_{sus} and AUQD-12 were 25% and 5% lower, respectively, for Evocin Foam than for Clindagell[®]

anrager . ollowing multiple applications of Evoclin Foam less than 0.024% of the total dose was xcreted unchanged in the urine over 12 hours on Day 5.

wcreade uncanage in the unne over 12 hours on Day 5. Microbiology: The cindamycin: component has been shown to have in vitro activity against *Propionibacterium acnes*, an organism which is associated with acree vulgaris; however, the cindal significance of this activity against *P canses* was not acximited in clinical trials with this product. Cross-resistance between clindamycin and erythromycin has been demonstrated. CLINICAL STUDIES

randomized, double-blind, vehicle-controlled clinical trial patients

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Efficacy Parameters	Evoclin Foam N=386	Vehicle Foam N=127
Treatment response (ISGA)	31%	18%*
Percent reduction in lesion counts		
Inflammatory Lesions	49%	35%*
Noninflammatory Lesions	38%	27%*
Total Lesions	43%	31%*

*P< 0.05

NOCOMTONS AND USAGE Evocil is indicated for topical application in the treatment of acne vulgaris. In view of the potential for diarhea, bloody diarrhea and pseudomembranous colitis, the physician should consider whether other agents are more appropriate. (See CONTRAINDICATIONS, WARNINS; and AUPERSE REACTIONS.)

vervenumos, ana AurCHSE HEAL IUNS) CONTRAINDERTIONS Evoclini is contraindicated in individuals with a history of hypersensitivity to preparations containing clindamycin or lincomycin, a history of regional ententitis or ulcerative colitis, or a history of antibució-associated colitis.

WARNINGS Torlly and parenterally administered clindamycin has been associated with severe colitis, which may result in patient death. Use of the topical formulation of clindamycin results in absorption of the antibiotic room the skin surface. Diarrhea, bloedy diarrhea, and colitis (including pseudomembranous colitis) have been reported with the use of topical and systemic clindamycian.

reported with the use of topical and systemic clinidamycin. Studies indicate a toxin(s) produced by *Clostrika* is one primary cause of antibiotic-associated colifis. The colifis is usually characterized by severe persistent diarrhean and severe abolicania cramps and may be associated with the passage of blood and macus. Endoccupic examination may reveal of *c. difficiel* toxin may be helped indigeneous colorability. When significant diarrhea occurs, the drug should be discontinued, large bowel modoscopy about the considered to establish a definitive diagnosis in cases of severe diarrhea. Antiperitalitic agents, such as opiates and diphenoxylate with Diarrhea, colifis, and passdomembranous colifis have been observed to begin up to Cirindamycin.

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PRECAUTIONS

PRECATIONS General: Exocions should be prescribed with caution in atopic individuals. Drug Interactions: Clinicarycin has been shown to have neuromuscular blocking agents. Therefore, it should be used with caution in patients receiving such agents. Carcinogenesis, Mutagenesis, Impairment of Fortility The carcinogenesis, Mutagenesis, Impairment of Fortility The carcinogenesis, Mutagenesis, Impairment of Fortility The carcinogenesis, and the subject man the study were approximately 3 and 15 times higher than the human dose of clindamycin phosphate gal similar to Evocin vasificate are approximately 3 and 15 times higher than the human dose of a hody supplication to mice for two years. The daily doses used in this study were approximately 3 and 15 times higher than the human dose of a hody surface area and the study of the subject than the human dose of a hody surface area and the subject of the subject than the human dose of a hody surface area of the information phosphate gal similar to Evocin caused a statistically significant shortening of the median time to tumor const in a study in hairless mice in which tumors were induced by exposure to simulated sunfight.