

Management of a Scalp Chronic Wound with an Innovative Topical Powder (EctoSeal P2G)

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Case Report:

A male patient in his sixties was diagnosed with scalp melanoma, a type of skin cancer that is associated with high mortality rates and is accountable for 5% of all melanomas (Figure 1). Early diagnosis and adequate surgical margins are particularly important in managing scalp melanomas. The patient had no underlying conditions and he was only taking blood pressure medication at the time of diagnosis. Despite being a relatively small melanoma, the lesion was excised with large safety margins to ensure complete removal of the skin cancer cells. Wound healing took longer than anticipated and an epibole chronic wound developed, which is characterized by lack of epidermal margins and rolled edges, as shown in Figure 2A. Despite its appearance, the patient reported no local pain post-surgery so the wound was only mildly affecting the patient's quality of life.

The local compounding pharmacist was consulted and an innovative topical powder was recommended including phenytoin, aloe vera, misoprostol, arginine and beta glucan in the proprietary base, PCCA EctoSeal P2G. Treatment took place at the compounding pharmacy three times per week (Monday, Wednesday and Friday) for a total duration of about 2.5 months (Figures 2B-2C). At each visit, the scalp wound was debrided with saline solution and the topical compounded medication was directly applied to the wound. Upon contact with the wound exudate, the compounded powder converted into a gel, which facilitated the topical application. Soon after, the gel converted into a film, which facilitated protection of the wound. Following about 1 month of treatment, the scalp chronic wound had been reduced to about half an inch. After approximately 2.5 months of treatment, the scalp chronic wound was fully closed and healed, as shown in Figure 2C.

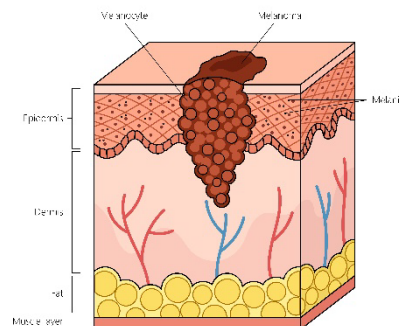


Figure 1. Melanoma, Shutterstock Illustration ID: 2440252443.

Rx	100 g
Phenytoin USP	2 g
Aloe Vera Powder Freeze Dried 200:1	0.2 g
Misoprostol 1% (HPMC Dispersion)	0.24 g
Arginine Hydrochloride USP	0.2 g
Beta Glucan (1,3) NQ	0.2 g
Base, PCCA EctoSeal P2G™ Powder	97.16 g

Table 1. Phenytoin 2%/Aloe Vera 0.2%/Misoprostol 0.0024%/Arginine HCl/Beta Glucan Topical Powder (EctoSeal P2G): PCCA Formula 15283.



Figure 2. Scalp chronic wound before treatment (A), during treatment (B), and about 2.5 months after treatment (C).