5% 5-Fluorouracil + 0.005% Calcipitriol

What is 5FU/Cal?

5FU/Cal is a compounded cream utilizing the chemotherapy properties in traditional Efudix with the immune action of Calcipitriol.





Why do I need a field treatment?

Actinic keratosis / solar keratosis represents UV damage to the outer layer of skin.

Each spot carries with it a risk of around 5% of progression to an SCC. By clearing the sun damage, we lower this risk and also improve the cosmetic appearance.

Treatment of your solar keratosis:

- 1. 5FU/Cal
- 2. Traditional Efudix twice daily for 3 weeks
- 3. Photodynamic Therapy daylight / LED
- 4. Cryotherapy
- 5. Daily Sunscreen Application

The mainstay for treatment of solar keratosis was using Efudix for 3-4 weeks.

Long terms studies¹ show a 70% reduction in formation of SCC (squamous cell carcinoma) at 12 months and no difference at 3 years, so we will need Efudix field treatment every 3 years to maintain clearance.

Using the combination cream we see a reduction of SCC formation of 75% maintained at 3 years²

How to apply?

This cream is a potent chemotherapy agent, so you only need to apply a thin layer. You don't need to be exact as normal skin will rarely react. No need to wash it off. Always apply at least 60 mins before bed so it absorbs and doesn't move onto eyes and lips.

Twice day application for the following period:

- Face 4 days
- Scalp 6 days
- Body and limbs 6-8 days
- Lips 2 days



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First 2 days expect minimal reaction. Day 2-6 you will get a reaction which What happens next? (J) includes red scabby lesions. This is normal. It's a good idea to take images at day 6 so we know which areas reacted. These reactions should not weep and not be overly painful. Most reactions are (±) well tolerated. If mild pain, apply a barrier cream such as Vaseline. Very occasionally a short course of steroid cream is required but this will be directed by your skin doctor at The Skin Cancer Clinic Claremont. Send clinical images to aduthie@gpsonbayview.com.au if any concerns. Simple paracetamol can be used if needed. It is expected at day 9-12 the reaction has fully resolved, and no scar is expected. X Need to call the clinic (9217 6000) There have been reported cases of a severe reaction with swollen eyes and lips. Do not apply any further cream and call the clinic. An infection may also occur rarely. If there is increasing pain, swelling or weeping inform the clinic. 3 It is expected at day 9-12 the reaction has fully resolved, and no scar is expected. **Notes** Pomerantz H et al Long-term Efficacy of Topical Fluorouracil Cream, 5%, for Treating Actinic Keratosis: A Randomized Clinical Trial. JAMA Dermatol. 2015 Sep;151(9):952-60. doi: 10.1001/jamadermatol.2015.0502. PMID: 25950503. 2. Rosenberg et al; Skin cancer precursor immunotherapy for squamous cell carcinoma prevention; JCI Insight.

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