

Nottinghamshire Actinic (Solar) Keratosis Primary Care Treatment Pathway

(Adapted from the Primary Care Dermatology Society Treatment Pathway)



Early solar keratosis needs no treatment



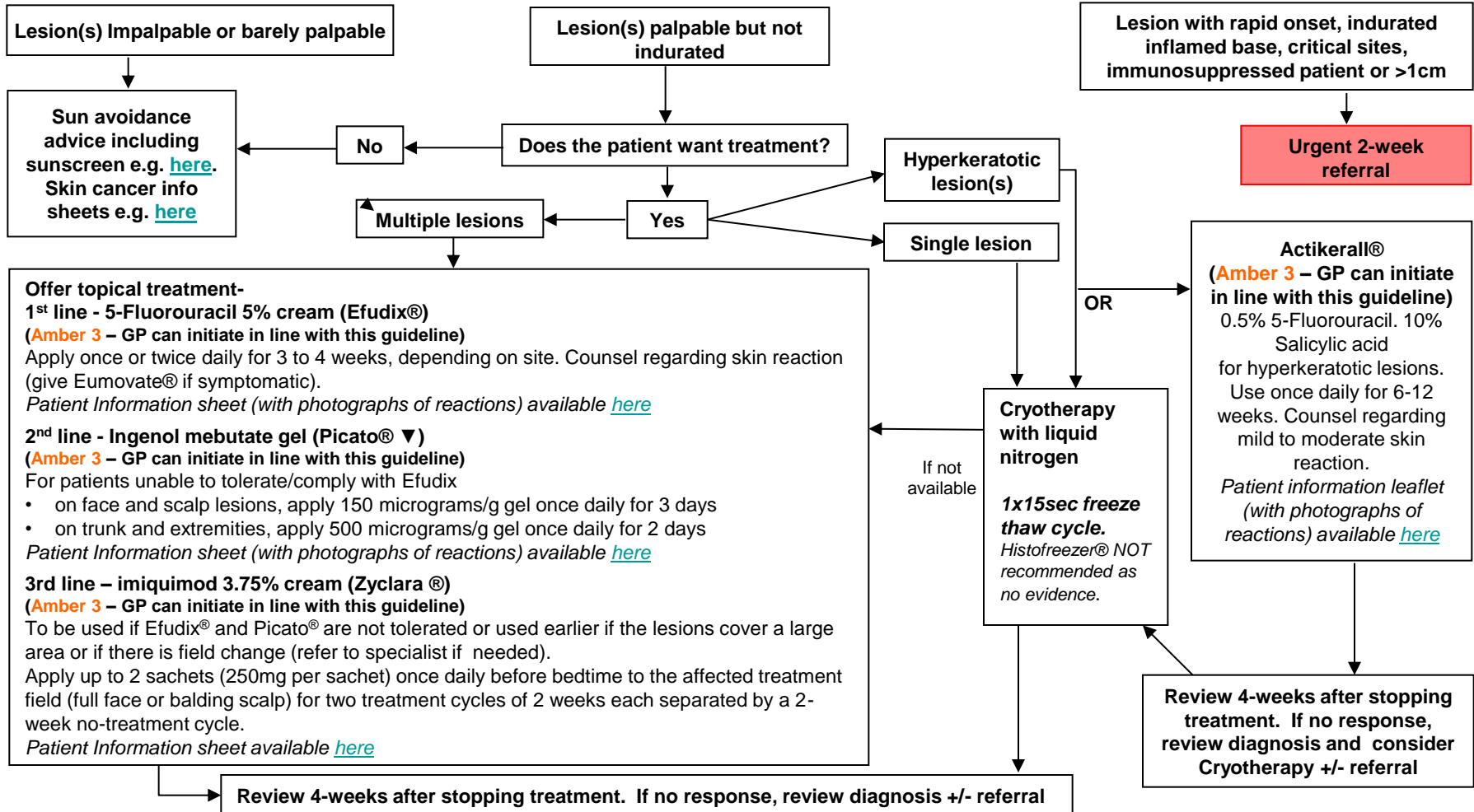
Single solar keratosis consider cryotherapy



Crusted, indurated and inflamed lesion could turn out to be early squamous cell carcinoma (SCC) - urgent 2-week referral



Lesion with rapid onset, indurated inflamed base, critical sites, immunosuppressed patient or >1cm



Actinic/Solar Keratosis Epidemiology

Chronic or repeated sun exposure is a major association >80% appear on the face, head or back of the hands, especially, but not exclusively, in those with fair skin. Caucasians previously living in hot climates or working outside are at highest risk. Prevention is better than cure (see national skin cancer prevention & sunscreen advice)

Prevalence in UK (Merseyside) age>40

	all	Age>70
males	15.4%	34.1%
females	5.9%	18.1%

Diagnosis

Red or white lesions with a gritty or sandpaper like texture on palpation but no induration at the base of the lesion, meaning there is epidermal thickening or dermal infiltration, both manifested as a thick red base.

Solaraze® gel (diclofenac)

Solaraze gel is not included in the pathway due to cryotherapy, Efudix® and Actikerall® being more effective to the vast majority of clinical circumstances and having lower relapse rates.

Skin cancer risk

Actinic keratoses (AK) are a risk factor for skin cancer as they are very closely linked to sun exposure. Therefore patients with actinic keratoses should be educated in the signs of common skin cancers and asked to present if any new/ different lesions develop.

Less than 1 in 1000 actinic keratoses will transform into squamous cell carcinoma (SCC) in any one year therefore, treatment is dependent on patient preference, symptoms and the need to clear the sun damaged area in order to be able to see if any more sinister lesions such as basal cell carcinoma (BCC) or SCC are developing.

Progression of very early AK lesions and AK recurrence are reduced by daily use of an appropriate sunscreen (SPF factor 15+ or higher, available on prescription, annotate "ACBS") if clinically indicated i.e. recurrent or multiple AK lesions.

The treatment guideline can be followed again if new lesions develop.

Bibliography

- Actinic Keratosis Primary Care Treatment Pathway published by Primary Care Dermatology Society (available from <http://www.pcds.org.uk> or [NHS Evidence - National Library of Guidelines](#))
- Guidelines for the management of actinic keratoses. D. de Berker, J.M. McGregor and B.R. Hughes - on behalf of the British Association of Dermatologists Therapy Guidelines and Audit Subcommittee British Journal of Dermatology 2007 156, pp222–230 (Available from www.bad.org.uk)
- NICE Guidance on Cancer Services. Improving outcomes for People with Skin Tumours including Melanoma. February 2006. (available from www.nice.org.uk)
- Stockfleth E et al. Low-dose 5-fluorouracil in combination with salicylic acid as a new lesion directed option to treat topically actinic keratoses-histological and clinical study results. Br J Dermatol. 2011 Nov;165(5):1101-8.
- Other references: [BNF](#) & product [SPCs](#)

Authors

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