

A new ERA for global Dermatology 10 - 15 JUNE 2019 MILAN, ITALY

MELANOMA AND MELANOCYTIC NAEVI

NAIL PIGMENTATION SURVEILLANCE: ESTABLISHING AN OPTIMAL TIME INTERVAL FOR DERMOSCOPIC EVALUATION

V Venning⁽¹⁾ - H Cheng⁽²⁾ - S Menzies⁽²⁾ - D Stewart⁽²⁾ - L Martin⁽²⁾ - S Lo⁽²⁾ - R Scolyer⁽²⁾ - P Guitera⁽²⁾ - H Chan⁽²⁾

The Skin Hospital, Dermatology, Sydney, Australia⁽¹⁾ - Melanoma Institute Australia, Dermatology, Sydney, Australia⁽²⁾

Nail pigmentation often poses a management conundrum. Although the 'ABCDEF' rule for early detection of subungual melanoma has been proposed, the 6 features of this criterion are not always fulfilled. Subungual melanoma usually present as longitudinal brown or black band on the nail plate (melanonychia), with differentials including benign nail pigmentation disorders such as nail matrix nevi or subungual lentigo. Subungual melanoma only constitutes 1% of melanoma diagnoses in Australia, however mortality is higher as diagnosis is frequently delayed. Thus, tools for early detection and diagnosis are important. When faced with an equivocal lesion on dermoscopy, periodic follow up is recommended. However, the optimal time period for monitoring is unclear. The current study sought to determine the optimal time interval for monitoring over 200 pigmented lesions. Dermoscopic signs suggestive of subungual melanoma include a brown pigmented band of thin brown lines, irregular in spacing and thickness, pigmentation covering most of the nail plate, micro-Hutchinson's and Hutchinson's signs, and nail plate pigmentation that is wider proximally than distally. A predictive model was generated considering the presence, absence or development of these signs as an indication of atypical change. Lesions were monitored over a 12 month period with 6 week, 3, 6 and 12 monthly surveillance.

We share our experience with recommendations for optimal monitoring with histopathological correlation. We aim to improve management guidelines to aid in the early recognition and diagnosis of subungual melanoma.



24[™] WORLD CONGRESS OF DERMATOLOGY MILAN 2019



International League of Dermatological Societies Skin Health for the World

