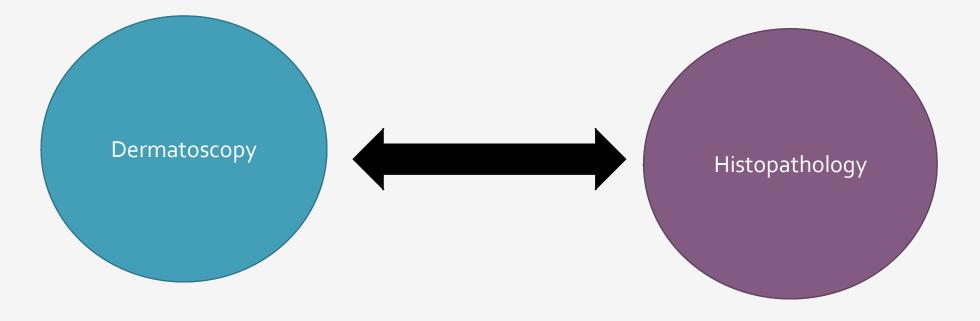
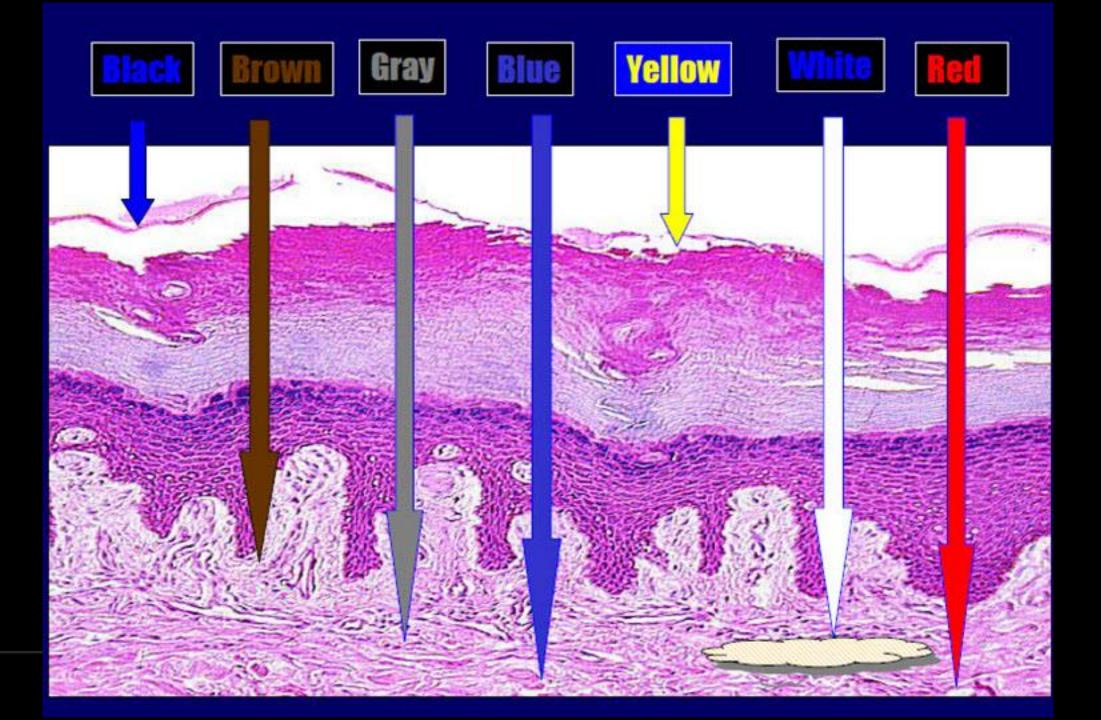
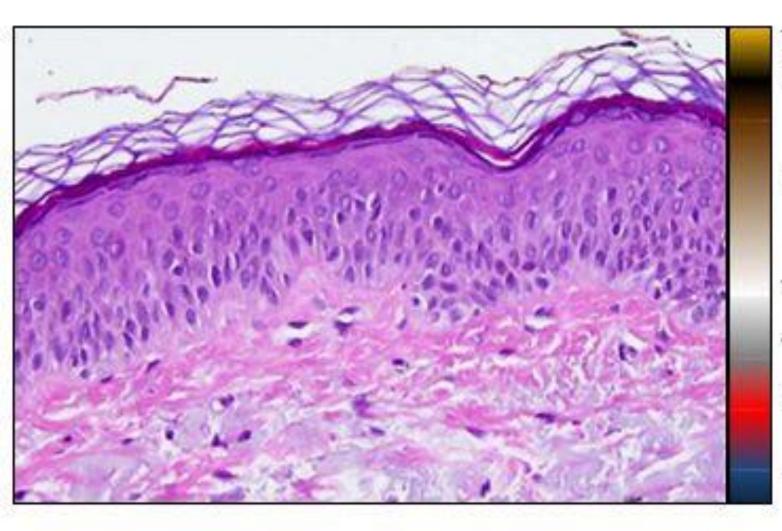
DERMOSCOPY

Tien Ming Lim Consultant Dermatologist MBChB, FRACP

Introduction

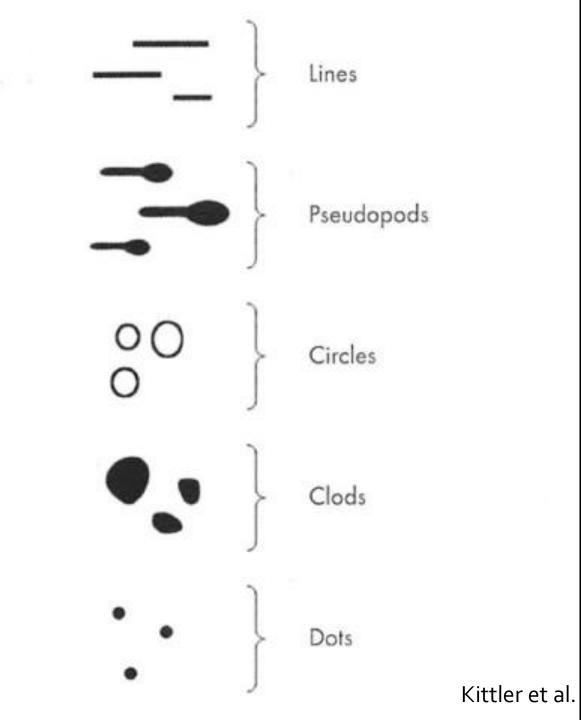




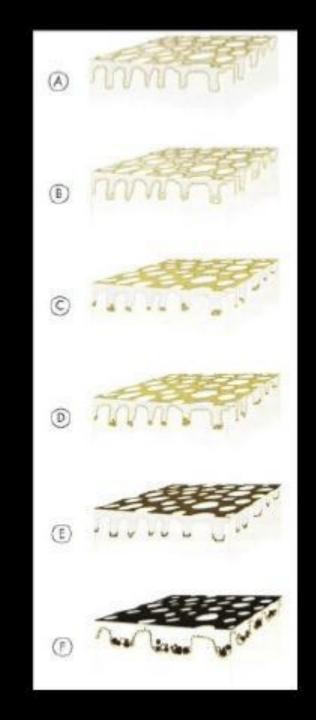


Yellow: Keratin.

- Black: Melanin in stratum corneum, superficial layers of epidermis or throughout all layers of epidermis, with or without dermal involvement.
- Brown: Melanin below the stratum corneum, especially if present in the dermo-epidermal junction and papillary dermis.
- White: Lack of pigment (melanin), atrophy/fibrosis/collagen.
- Gray: Free-melanin or melanophages in papillary dermis.
- Red: Blood (thrombosed angiomas or angiokeratomas may reveal purple/ black lagoons).
- Blue: Melanin in the deep dermis (due to Tyndall effect).



E Kittler et al. **Reticular lines** Curved lines **Branched** lines Parallel lines **Radial lines**



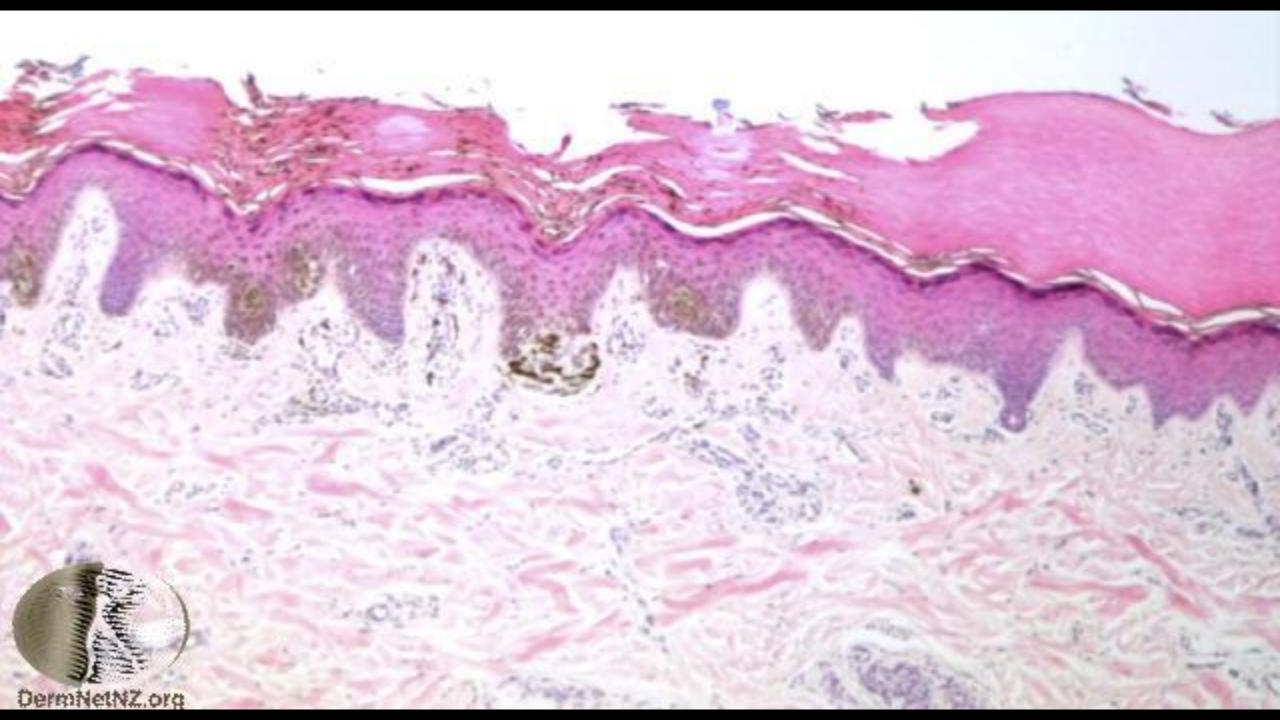
Basal epidermal hyperpigmentation that is diffuse (A) or confined to the tips of the rete (E), proliferations of non-pigmented (B) or pigmented (C) melanocytes within rete and combinations of these (D) produce a pattern of reticular lines.

A more exuberant proliferation of pigmented melanocytes that expands the epidermal rete produces thick reticular lines (F).

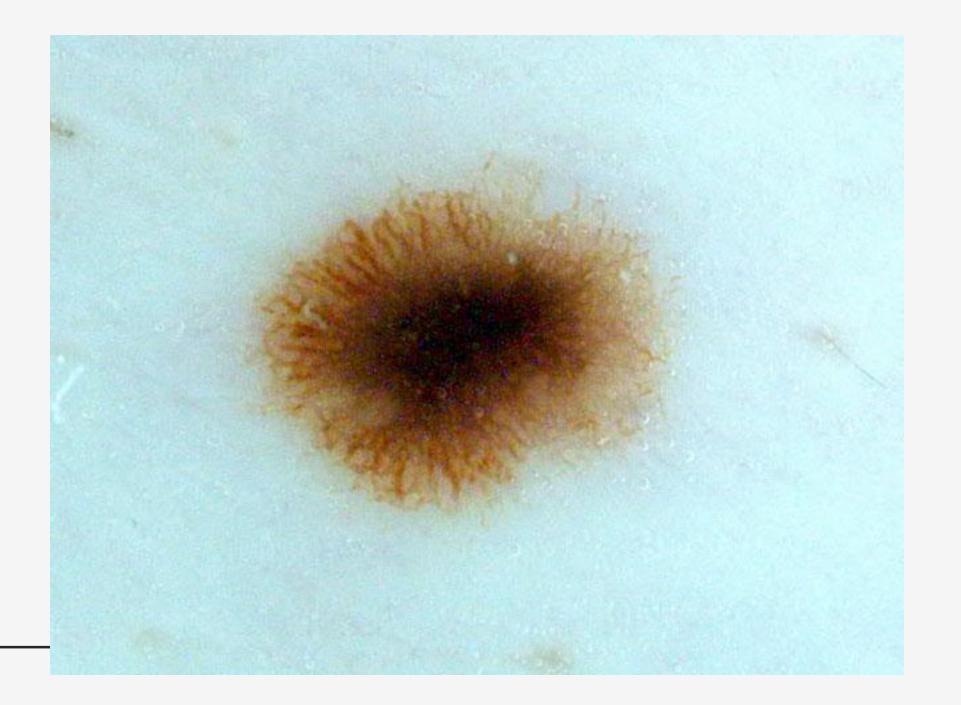
Kittler et al



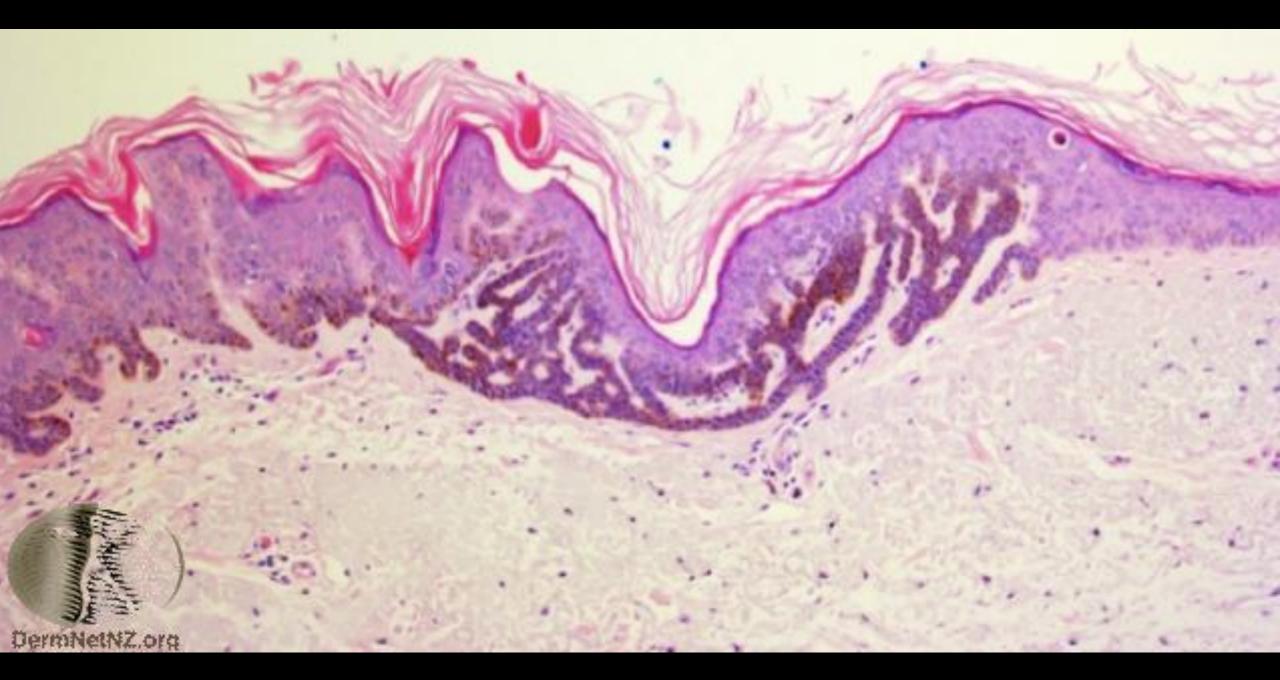










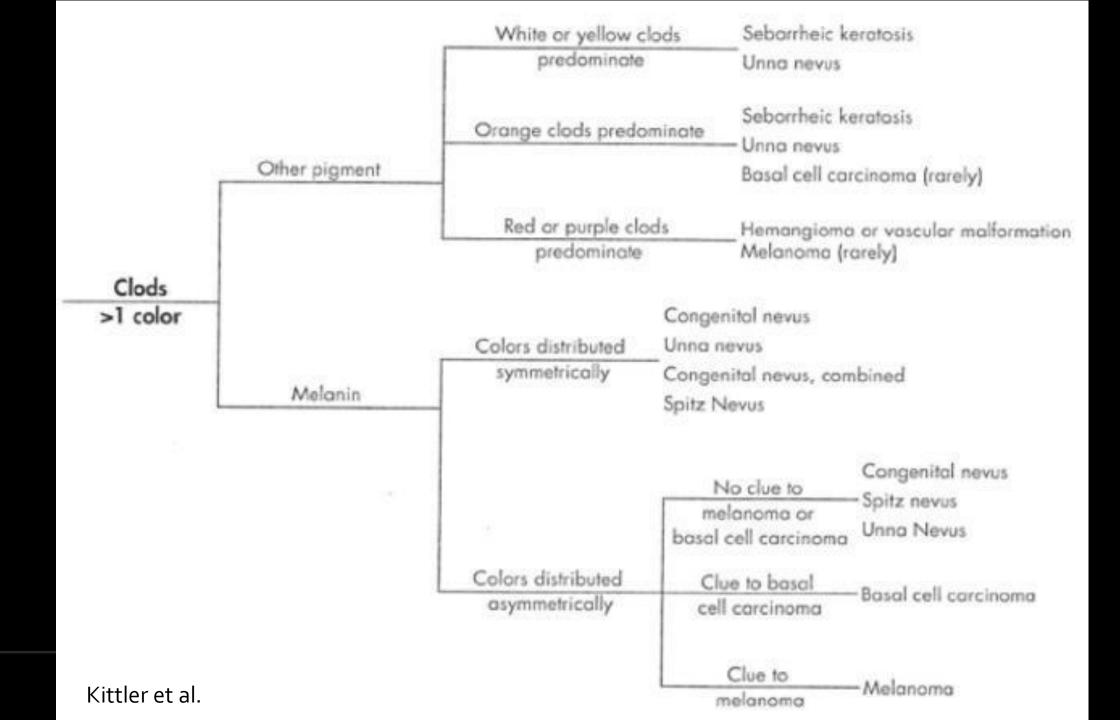




	1. Gray dots	Lichen planus-like keratosis Pigmented actinic keratosis ———————————————————————————————————
		Melanoma, regressive Basal cell carcinoma
	2. Blue dots	Basal cell carcinoma
Dots+		
	3. Black dots	Clark nevus
	4. Brown dots	Clark nevus Congenital nevus
Kittler et al.		Solar lentigo Pigmented Bowen's disease

	Red	Hemangioma/vascular malformation	
		Hemorrhage	
	Purple	Hemangioma/vascular malforma	ation
	Orange	Seborrheic keratosis	
		Basal cell carcinoma	
	Yellow/white	—— Seborrheic keratosis, Sebaceous gland hyperplasia	
Clods 1 color	Skin colored	Congenital nevus (Unna or Miescher nevus)	
		Seborrheic keratosis	
	Brown	Congenital nevus, "superficial" or "superficial and deep" Spitz nevus, Congenital nevus (Unna or Miescher nevus)	
		Spitz nevus, Congenital nevus (C	unna or Miescher nevusj
	Black	Hemongioma, thrombosed, Hemorrhage	
	Blue	Basal cell carcinoma	Kittler et al.



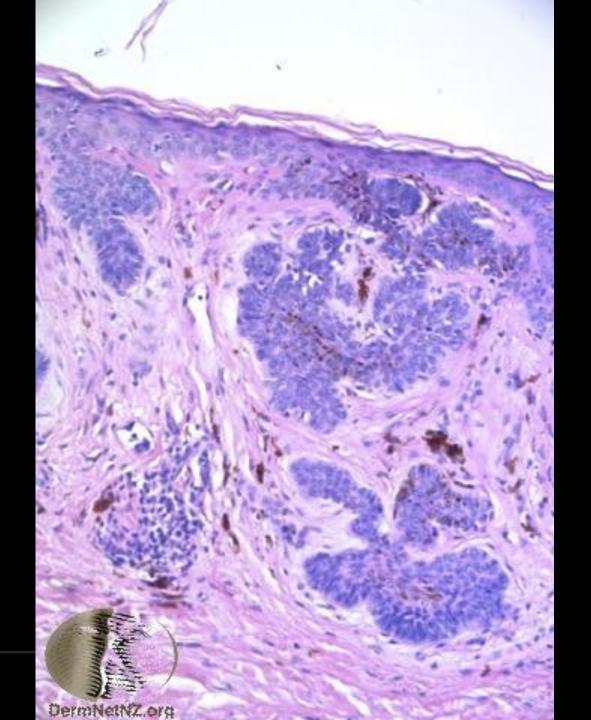


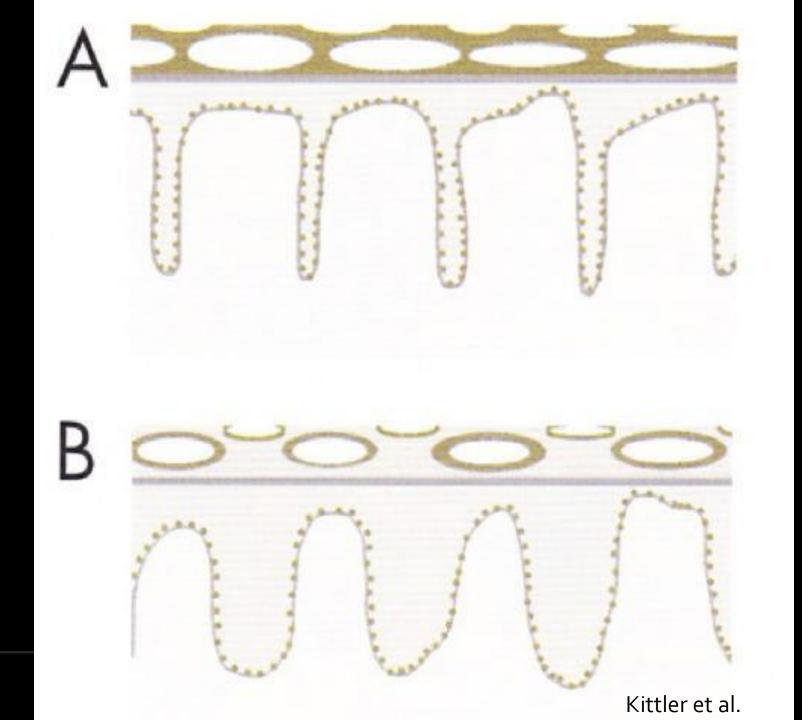


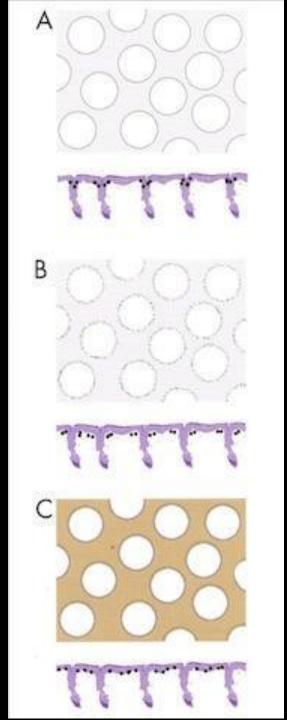






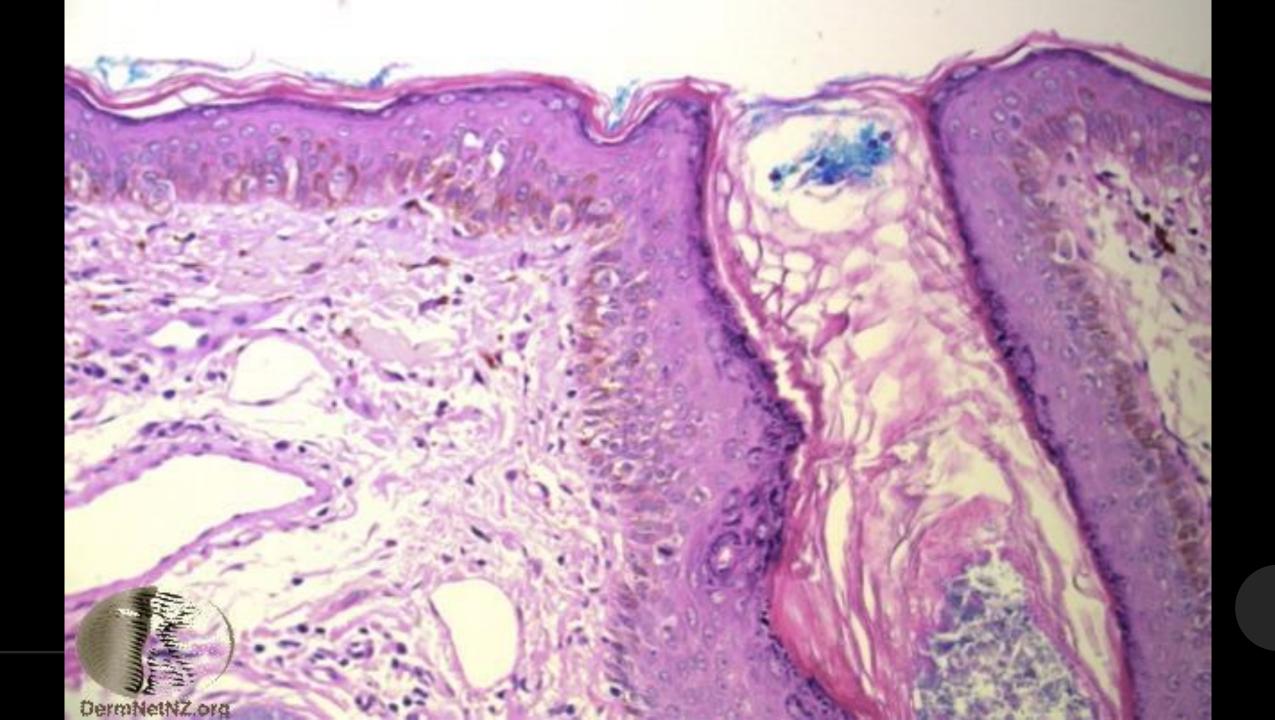


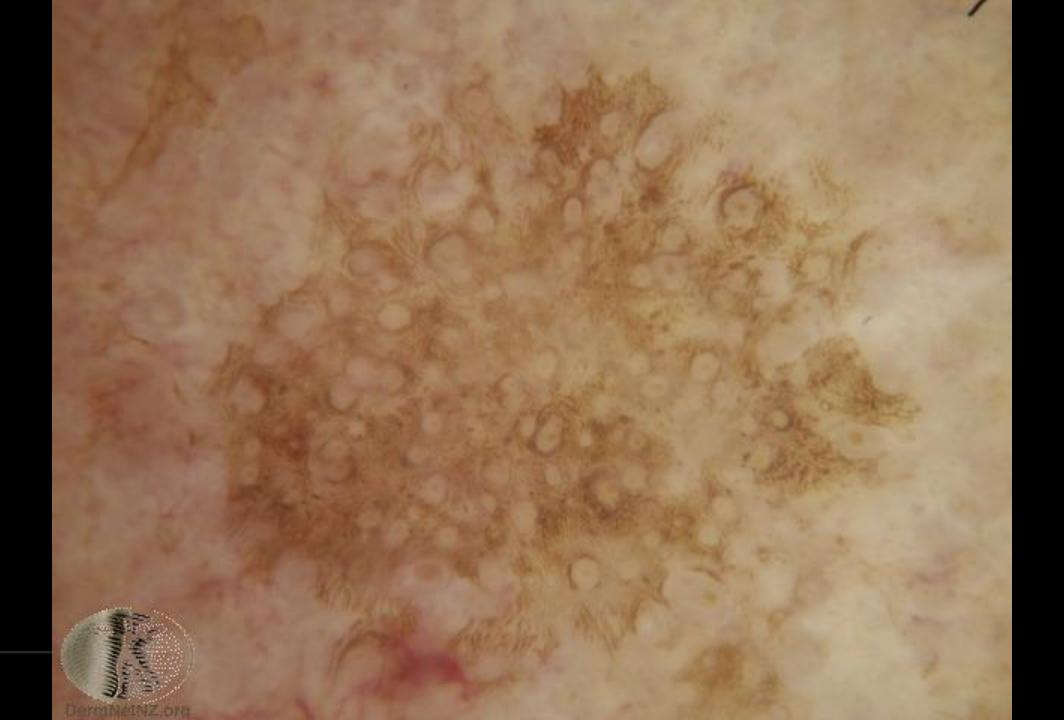


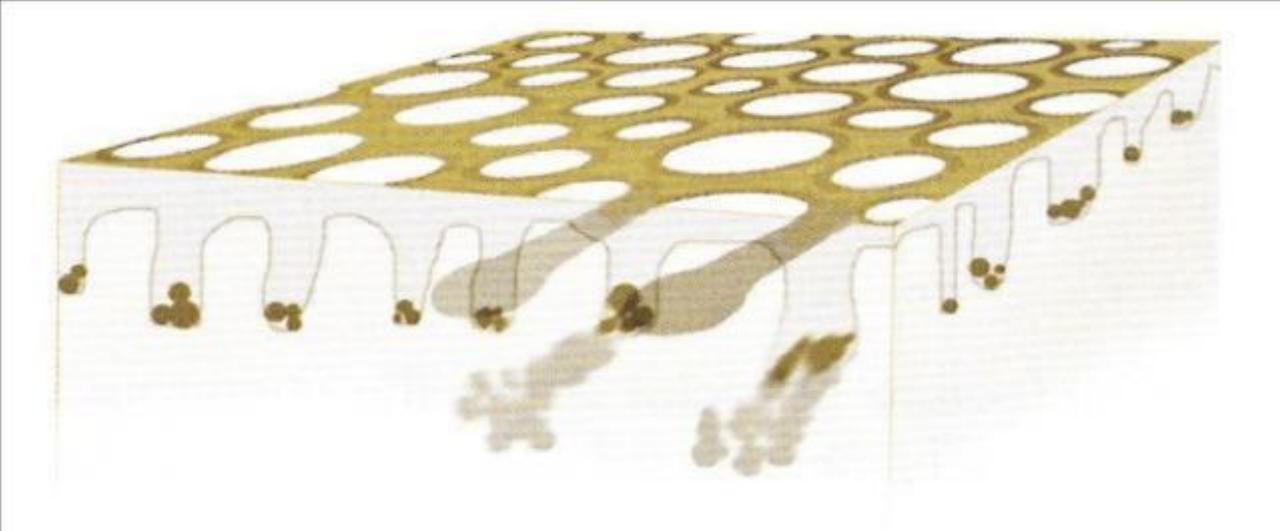


Kittler et al.







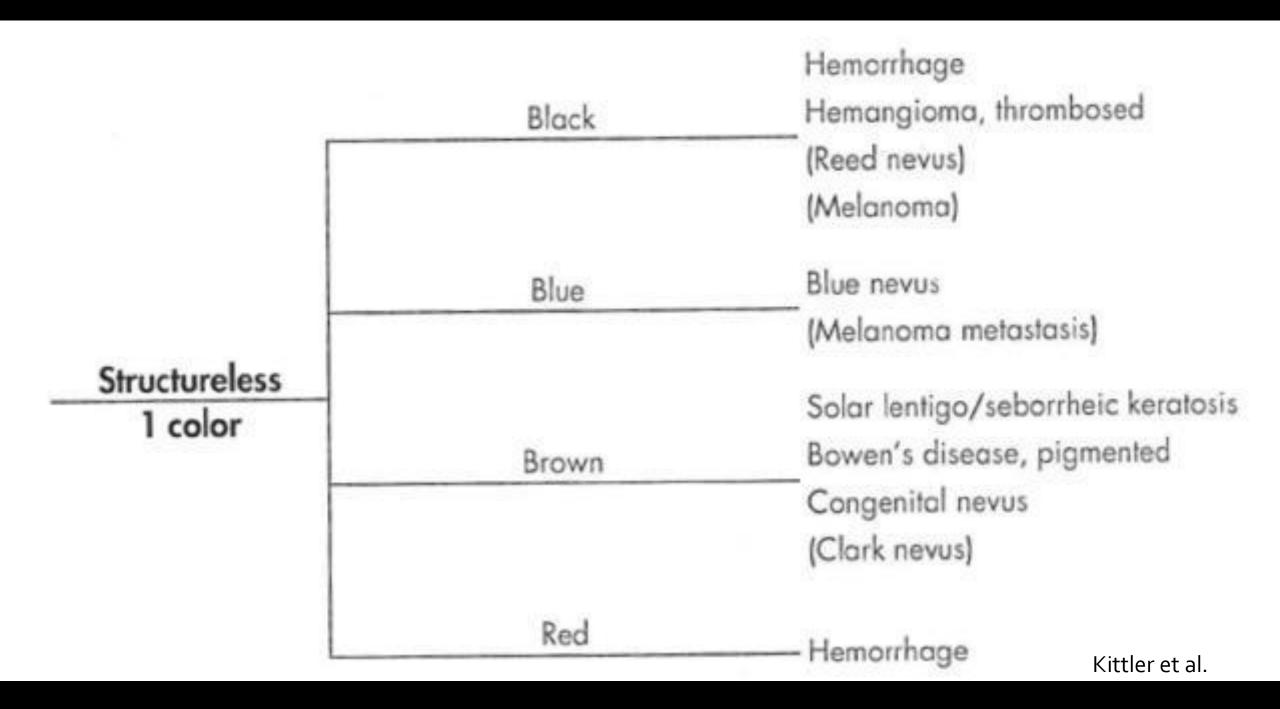


Kittler et al.

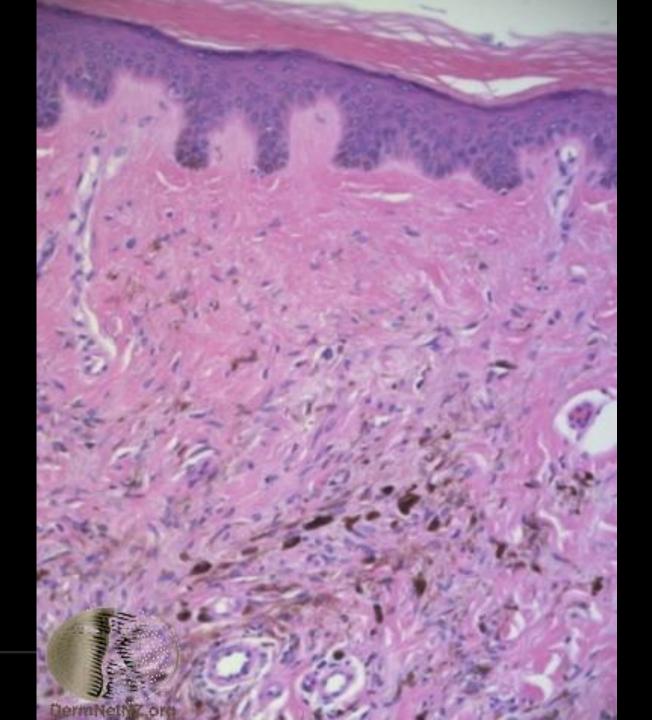
Structureless

Pigment has no relationship to the normal epidermal architecture

 $\alpha real sector reterms$. When epidermis is effaced or reterms are absent



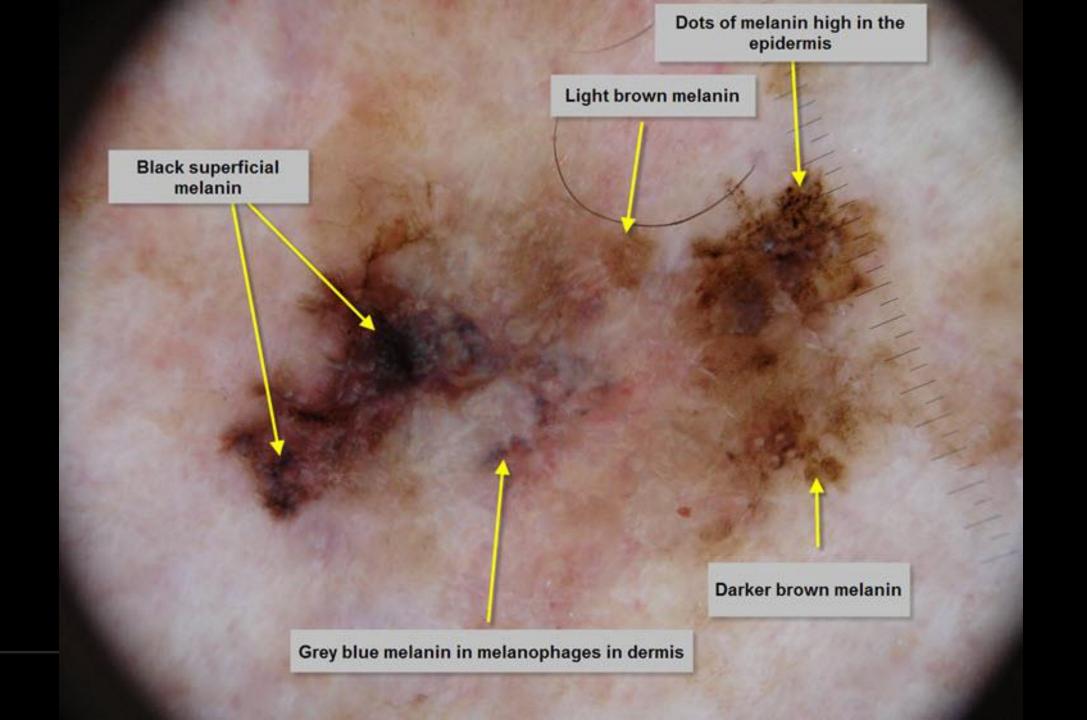


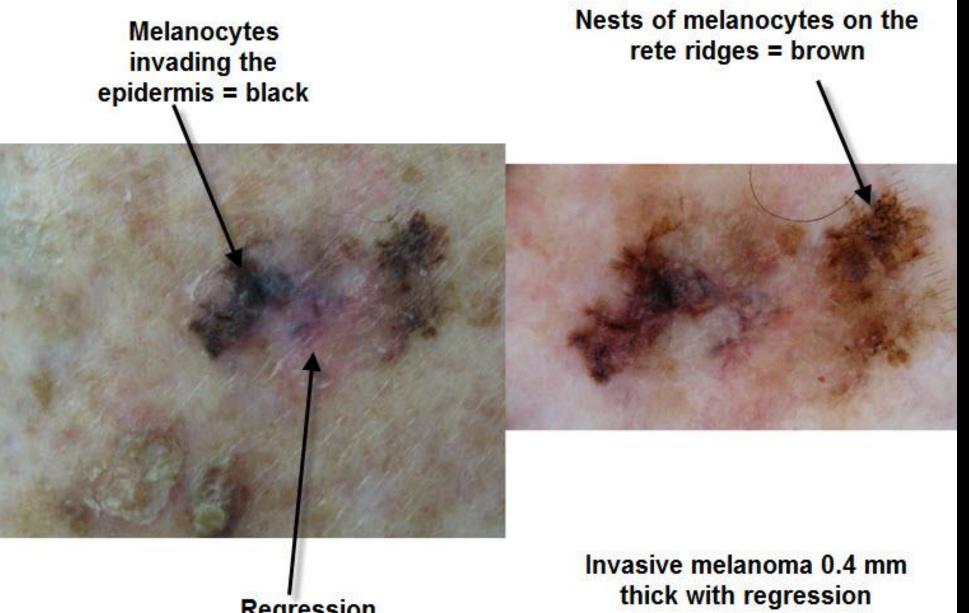


Clues to diagnosis in dermatoscopy -

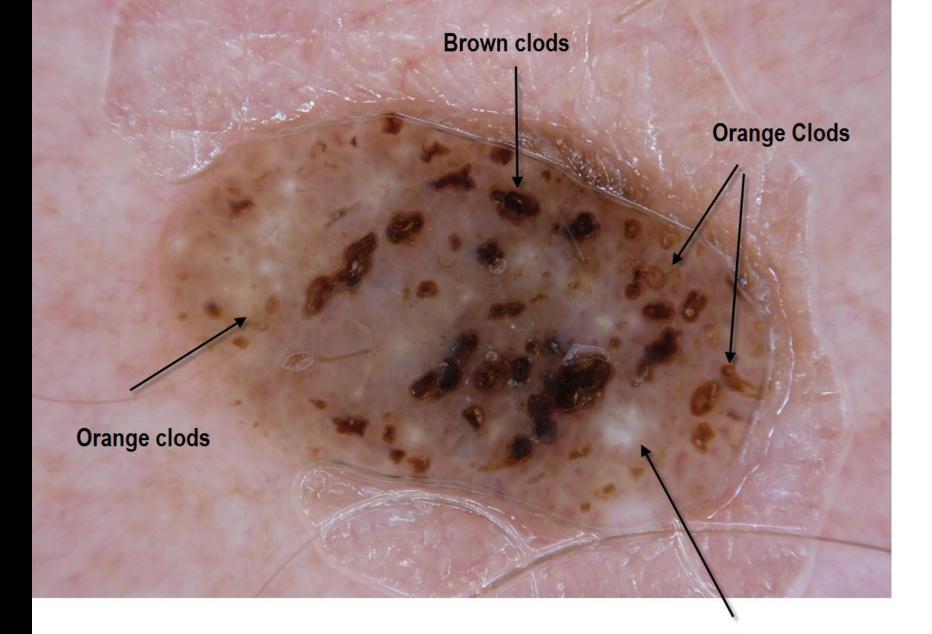
- Analysis of pattern and colour to arrive at a differential diagnosis
- Pattern recognition
 - Pattern,
 - Arrangement of a pattern/colour,
- A feature too localised to form a pattern,
- Absence of a feature,
- Vascular pattern

What colours do you see?



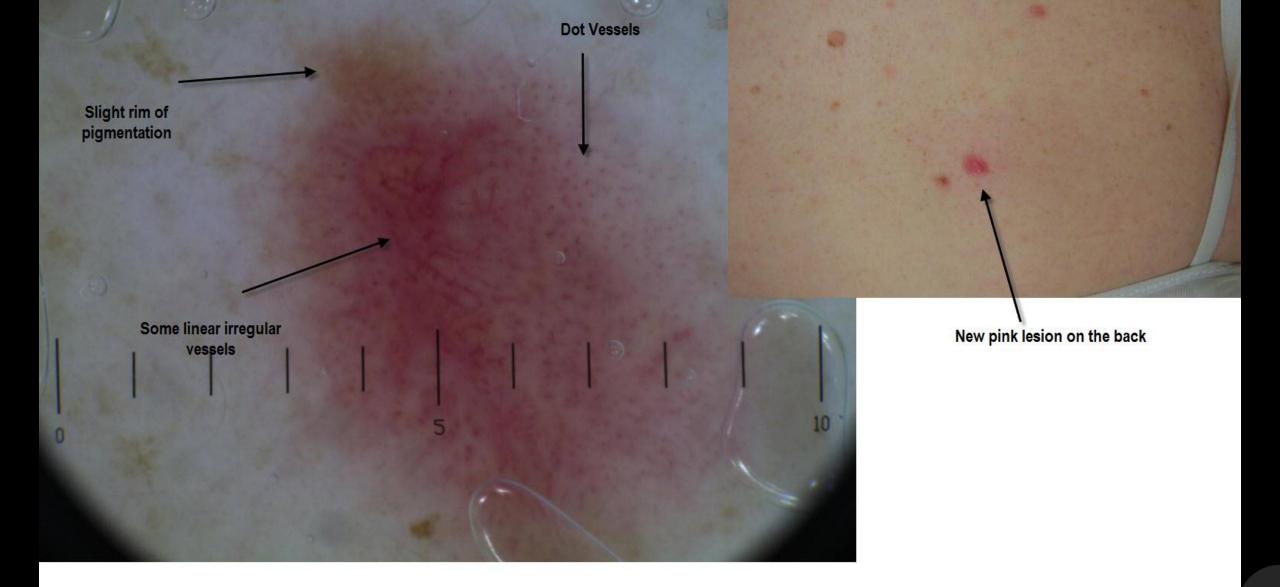


Regression clinically = Grey dots



Seborrhoeic Keratosis

White clods



This was a Clark level 2, 0.3mm thick virtually amelanotic melanoma







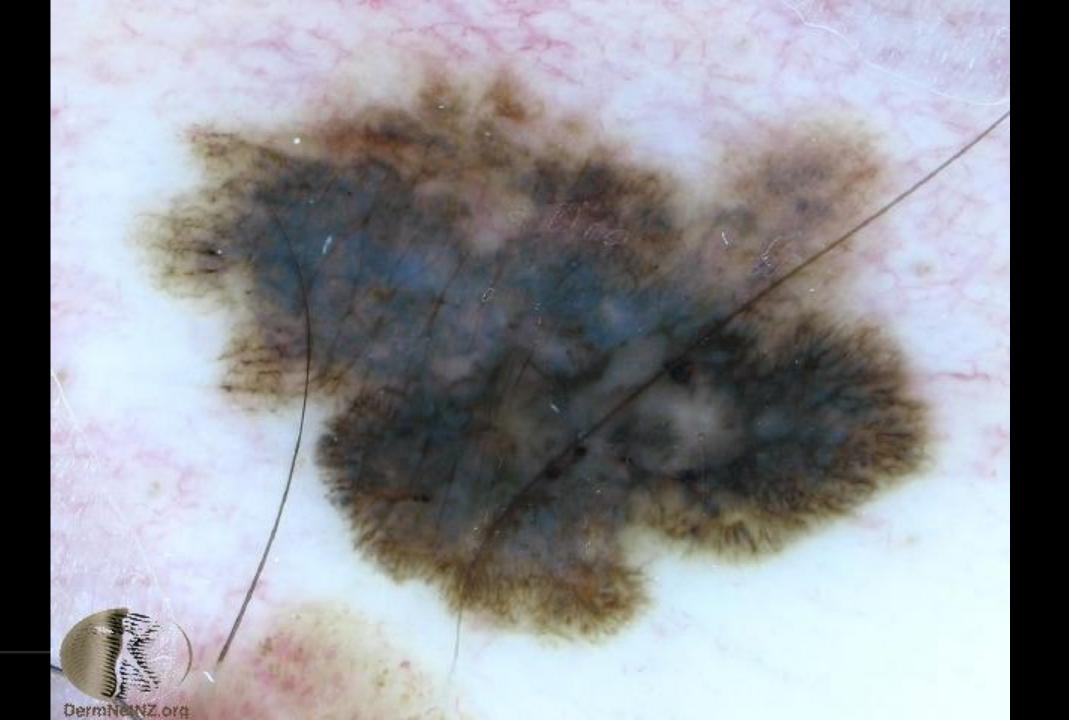




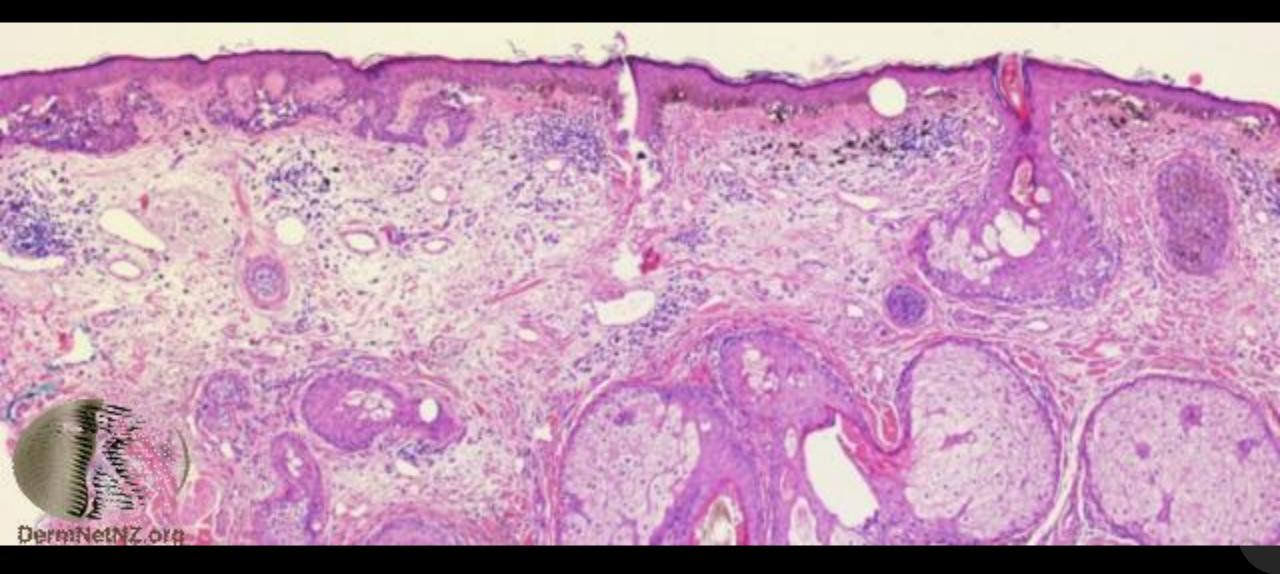




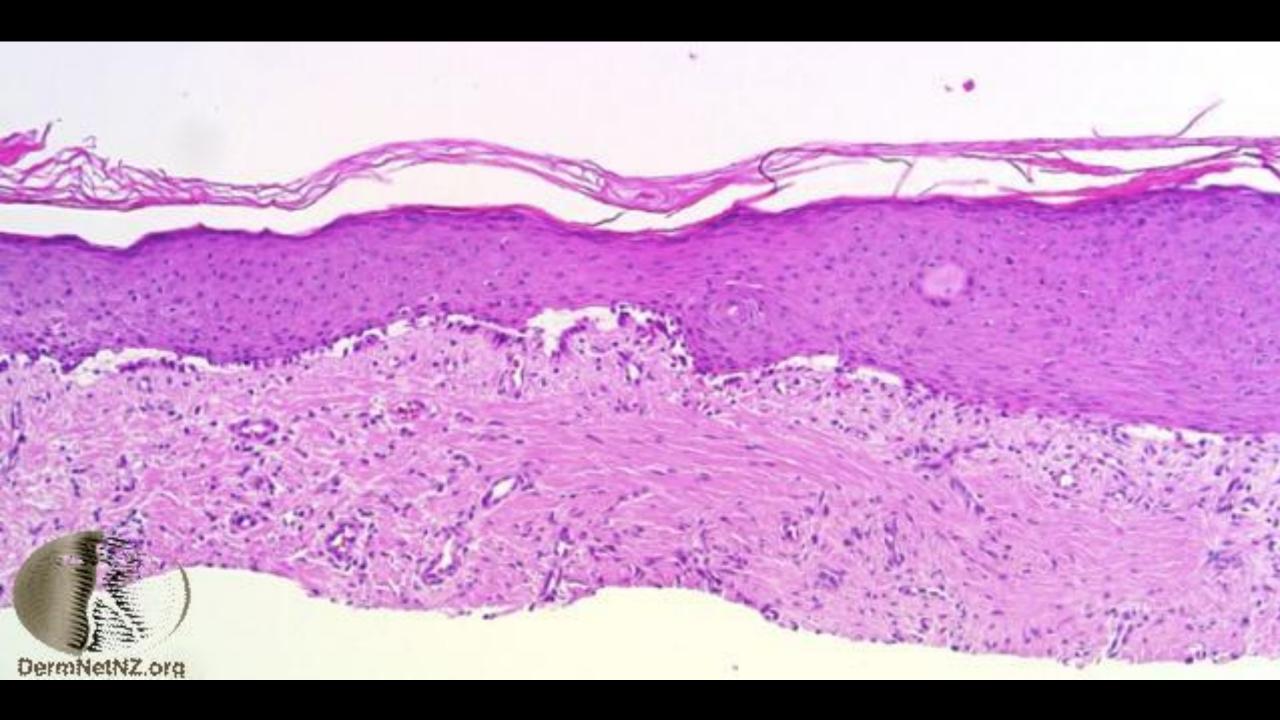














"I don't know what these dots are ... but ya mind if I connect 'em?"