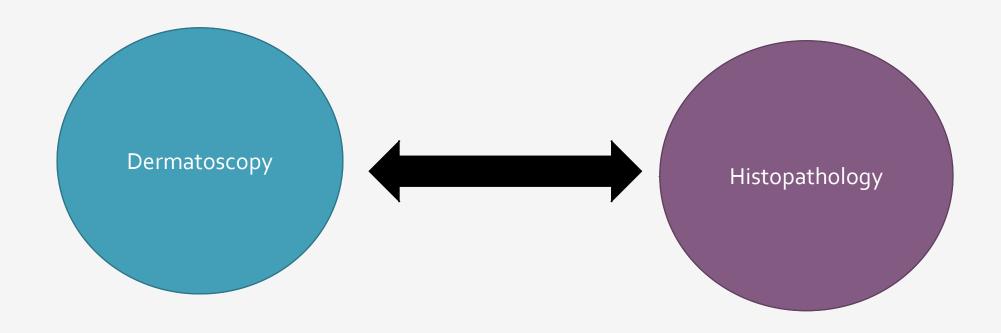
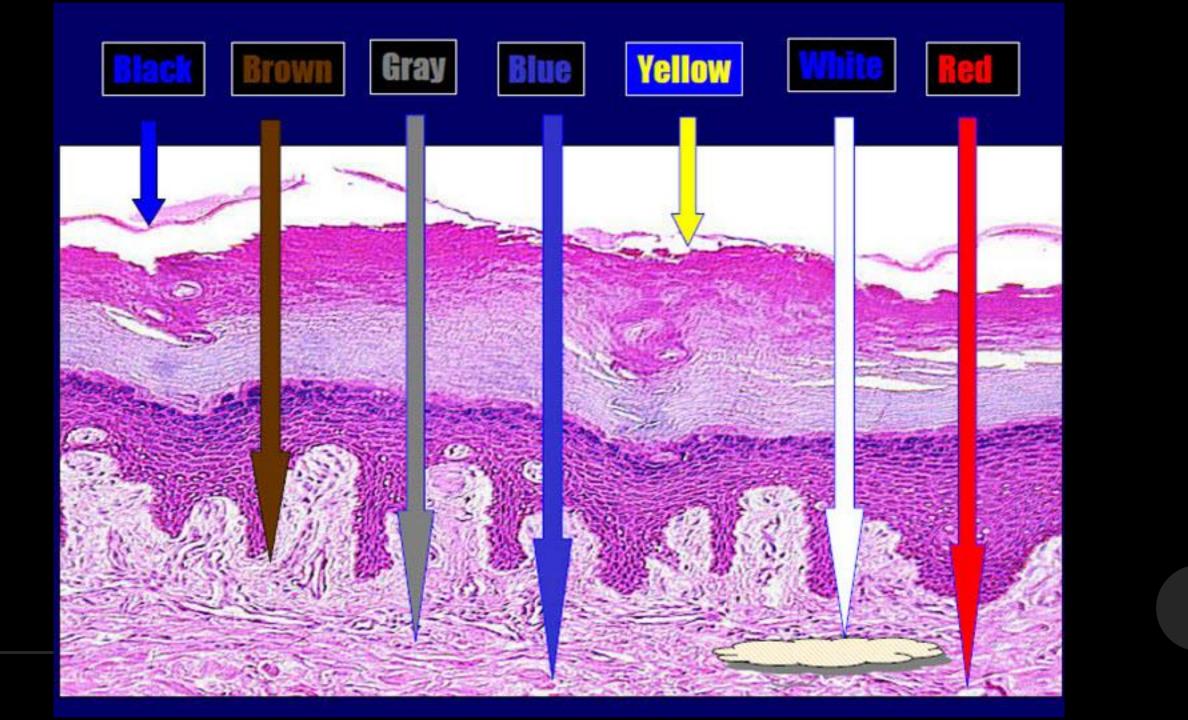
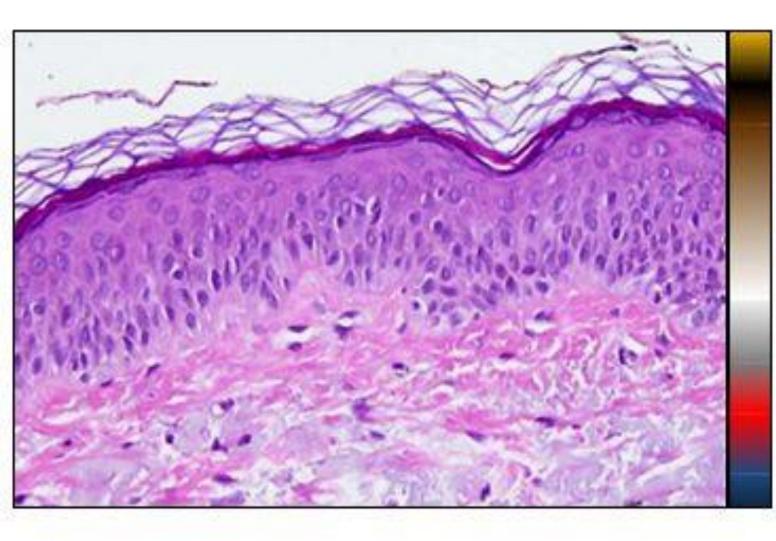
## DERMOSCOPY

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.

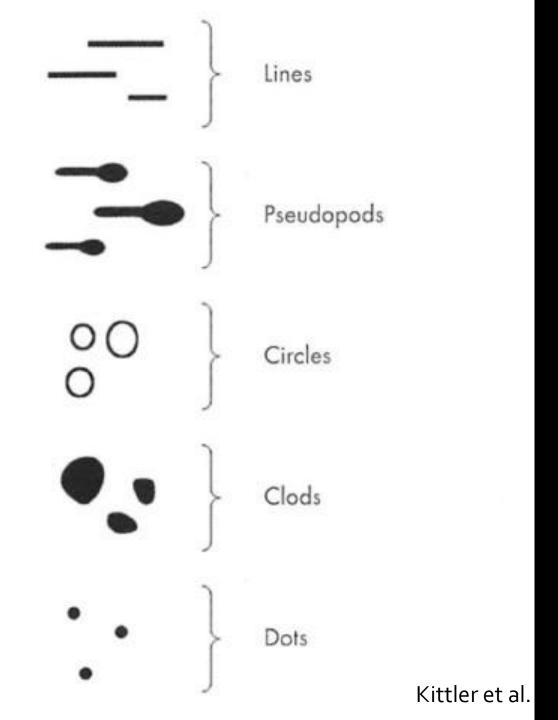
Red: Blood (thrombosed angiomas or

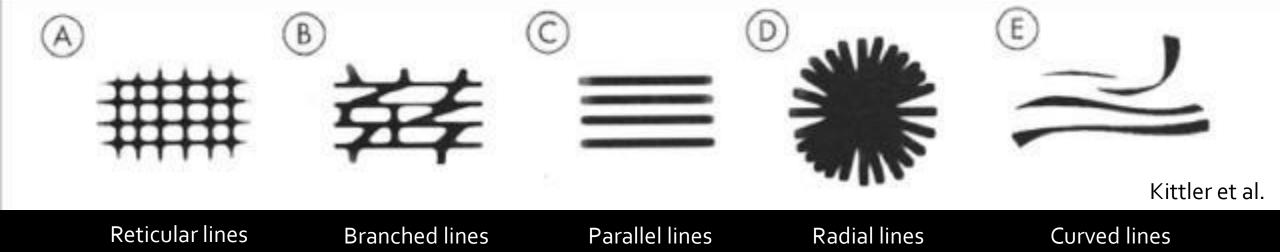
angiokeratomas may reveal purple/

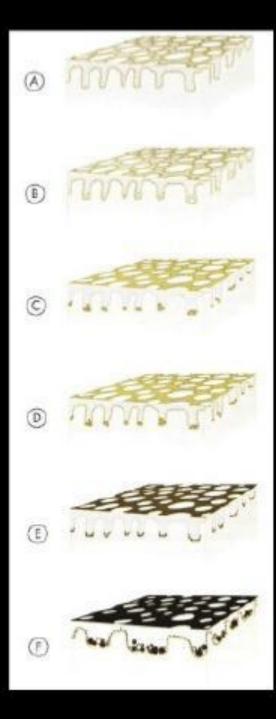
black lagoons).

Blue: Melanin in the deep dermis (due to

Tyndall effect).





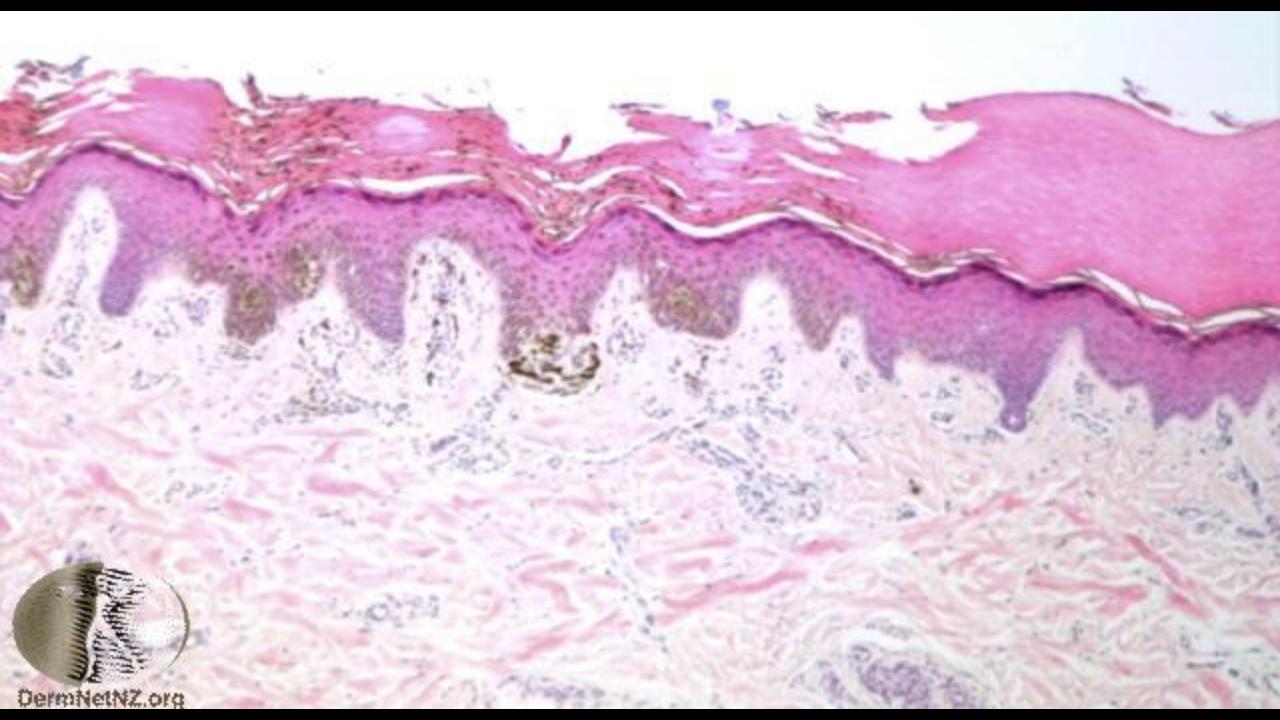


Basal epidermal hyperpigmentation that is diffuse (A) or confined to the tips of the rete (E), proliferations of non-pigmented (B) or pigmented (C) melanocytes within rete and combinations of these (D) produce a pattern of reticular lines.

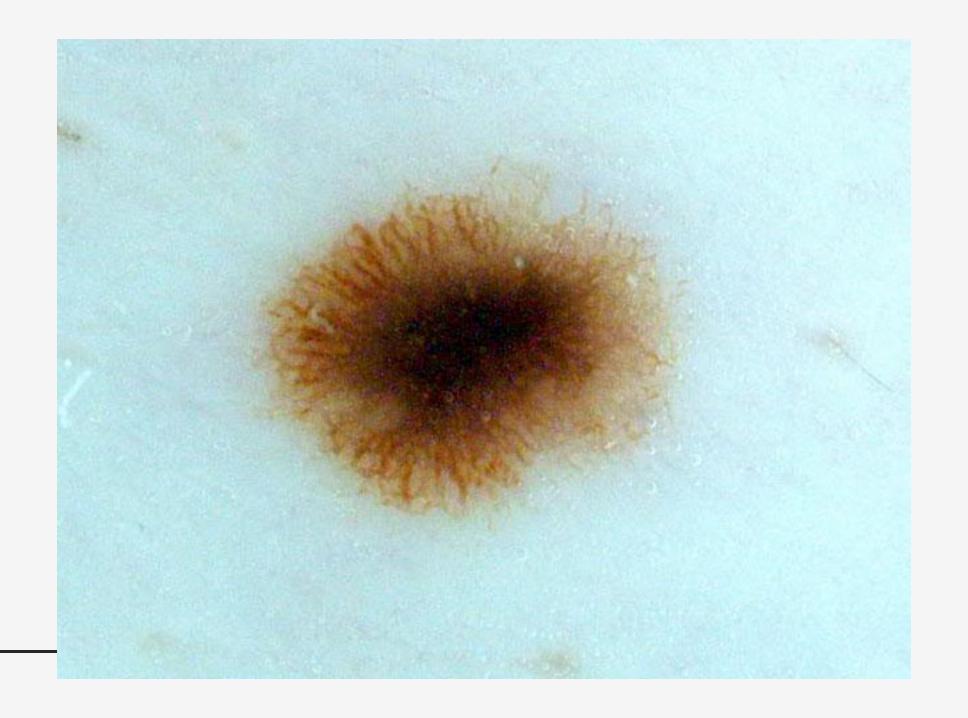
A more exuberant proliferation of pigmented melanocytes that expands the epidermal rete produces thick reticular lines (F).



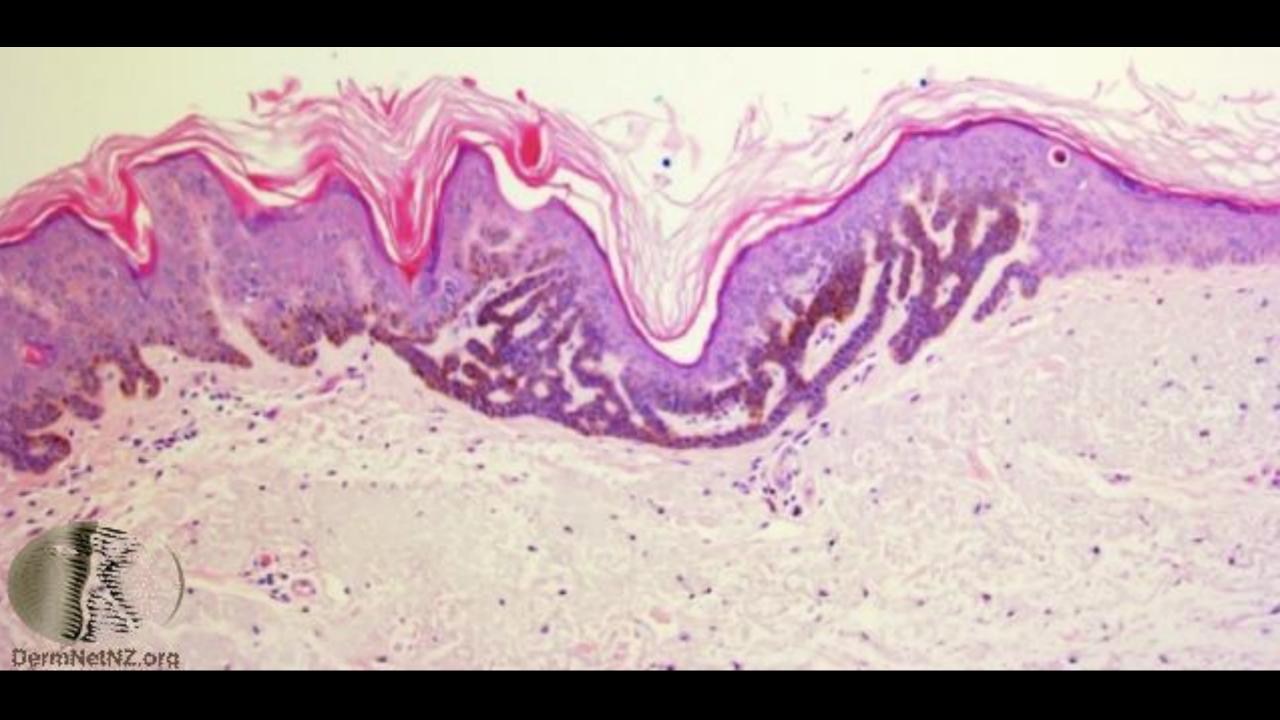


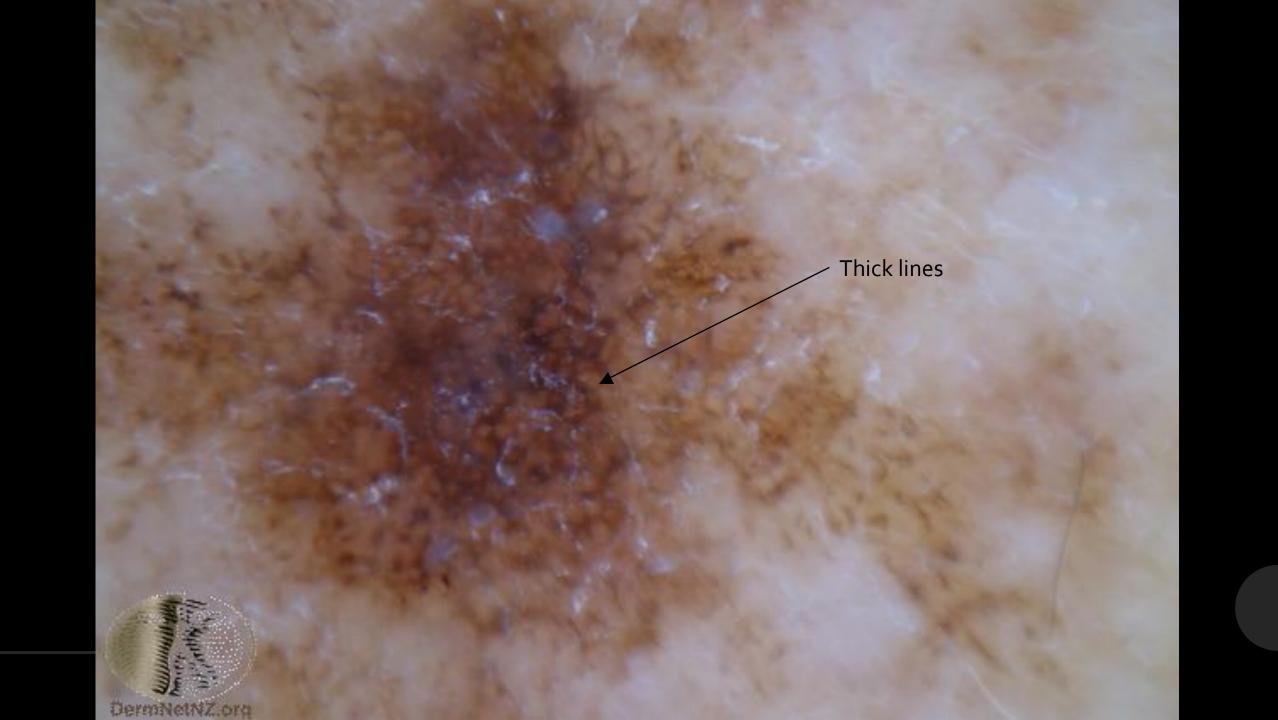


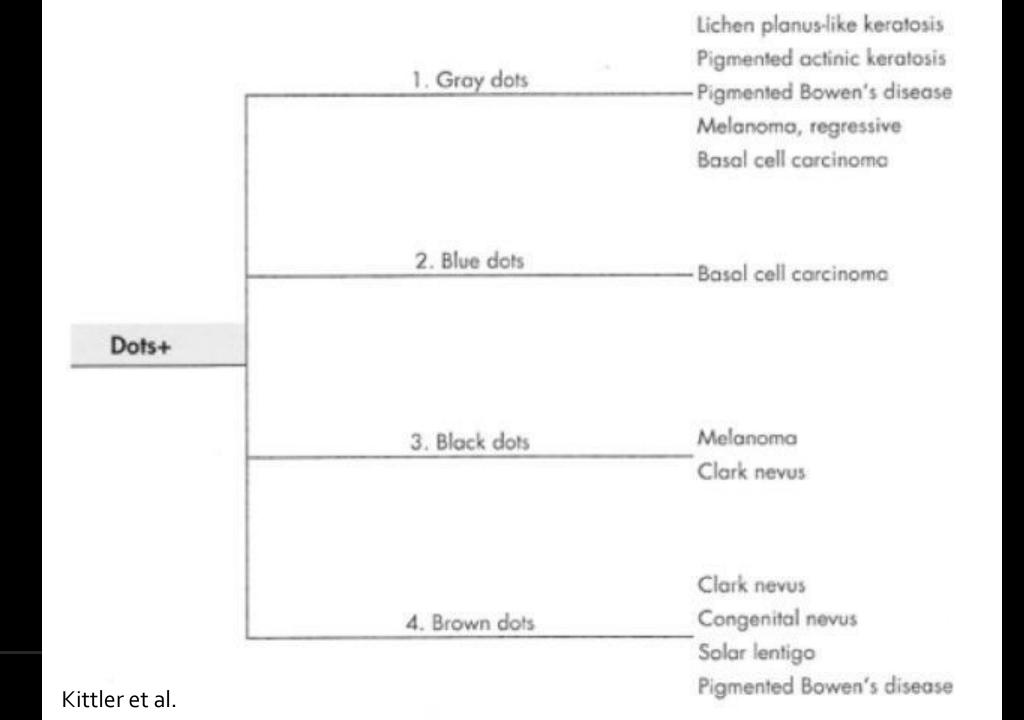






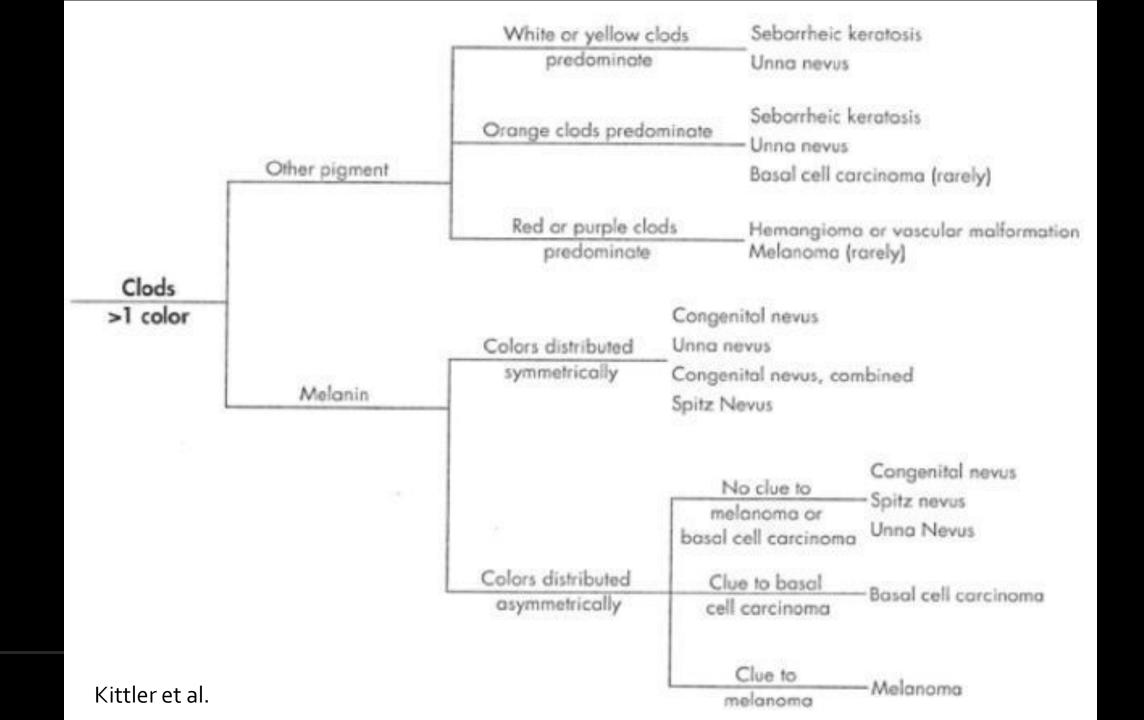




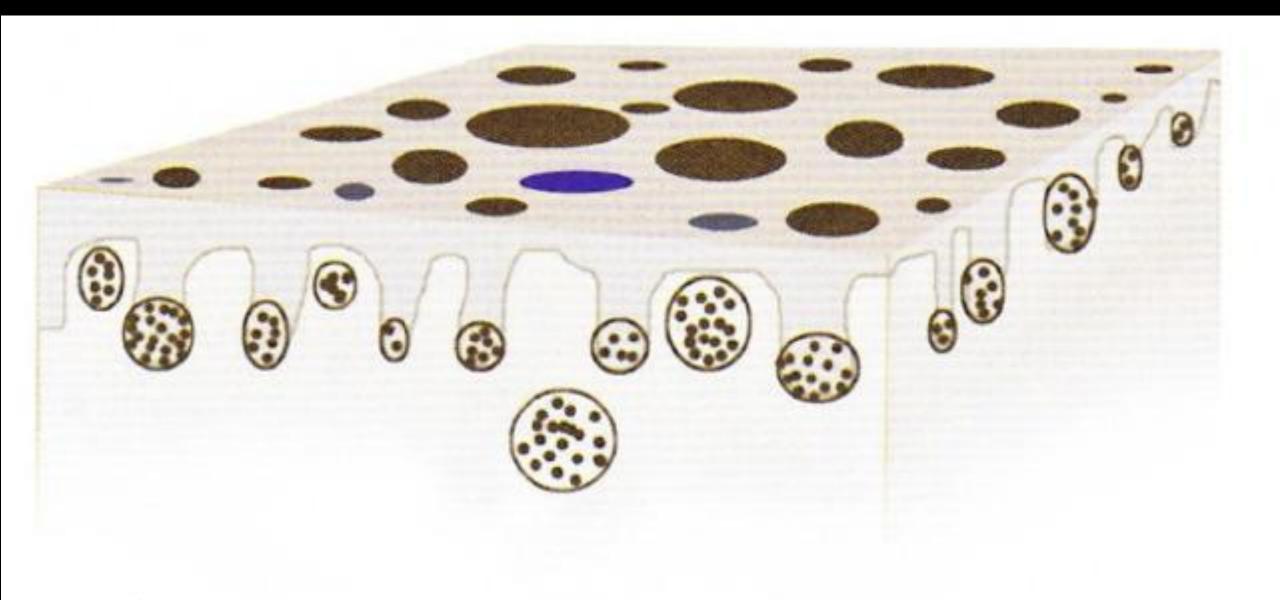


	Red	Hemangioma/vascular malformation	
		Hemorrhage	
	Purple	Hemangioma/vascular malformation	
	Orange	Seborrheic keratosis  Basal cell carcinoma  Seborrheic keratosis, Sebaceous gland hyperplasia	
	Yellow/white		
1 color	Skin colored	Congenital nevus (Unna or Miescher nevus)	
		Seborrheic keratosis	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



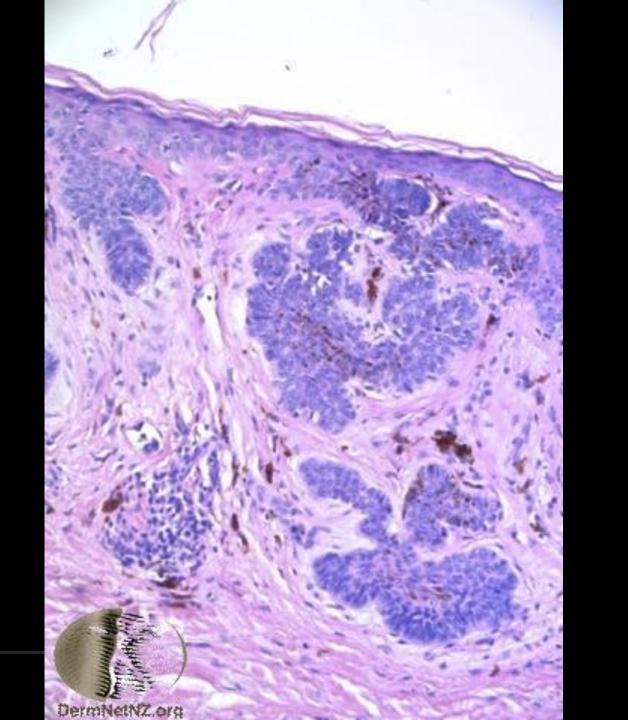


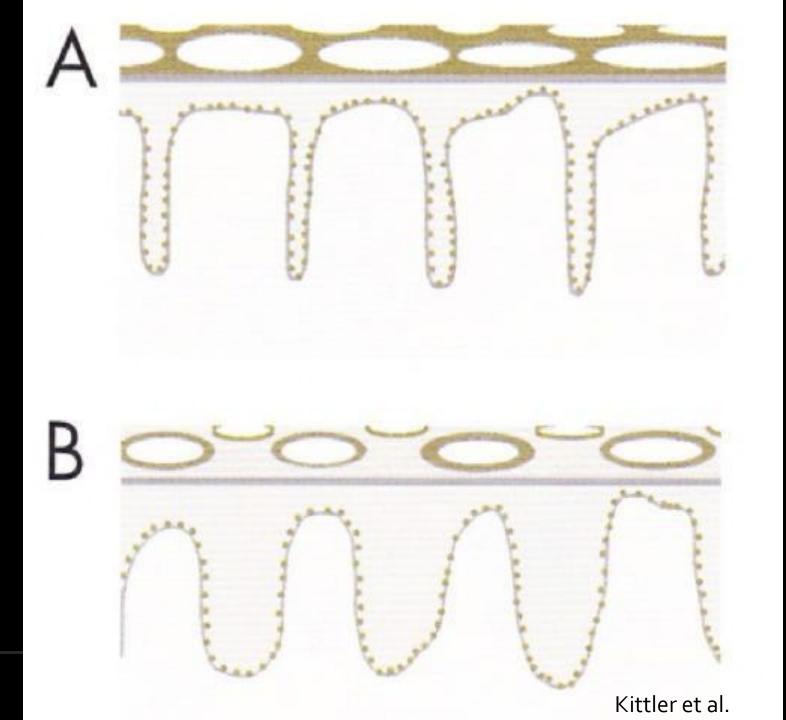


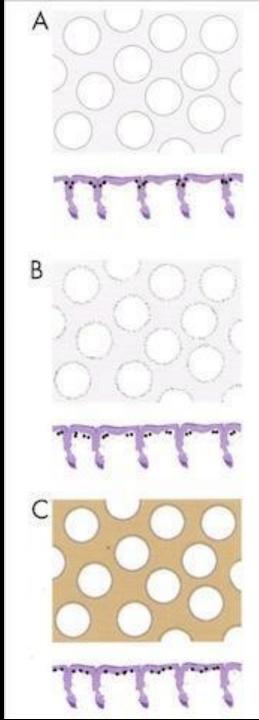






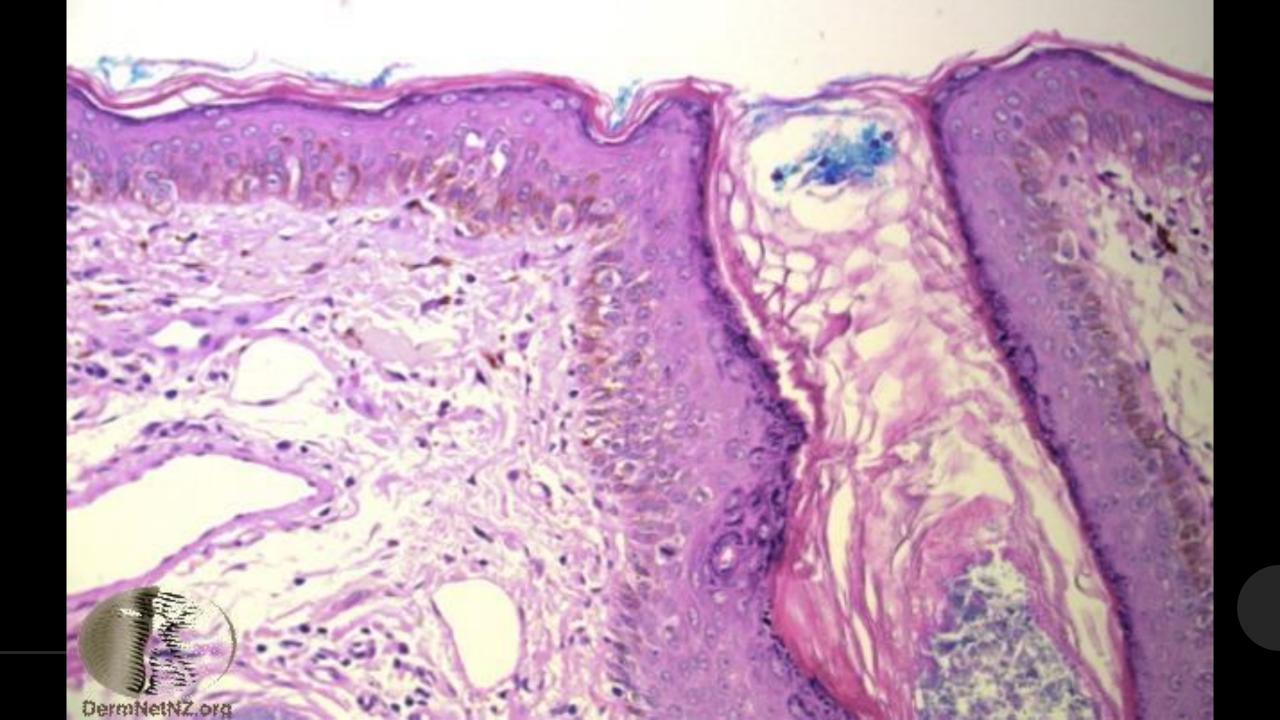


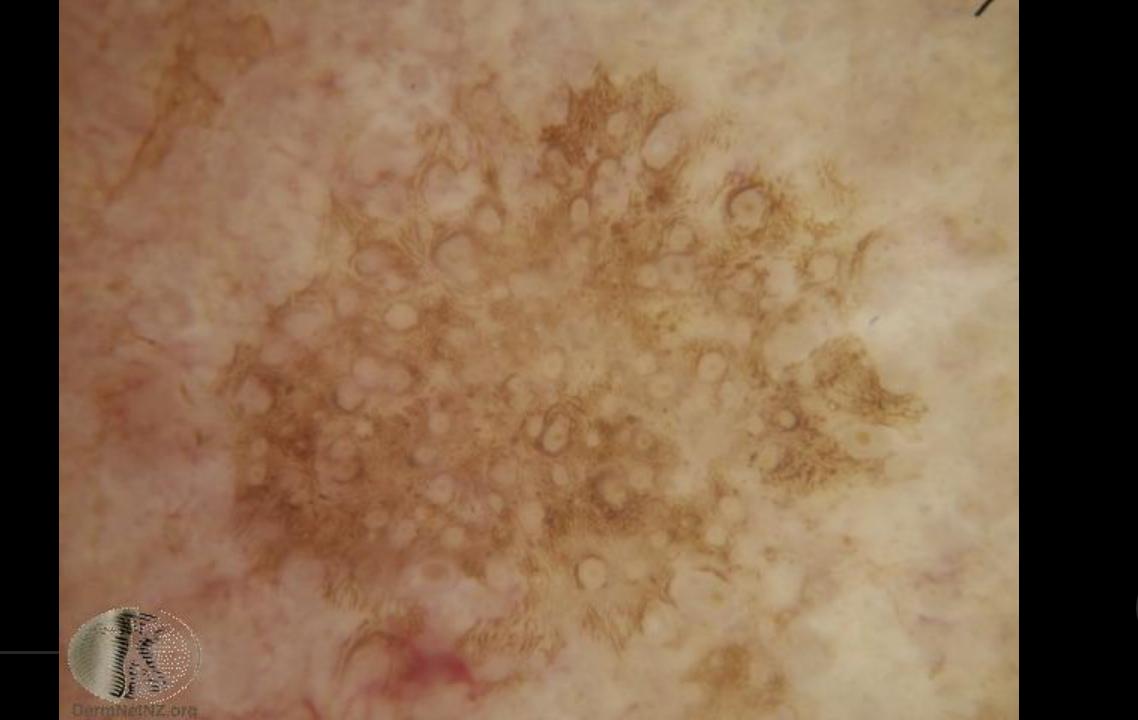


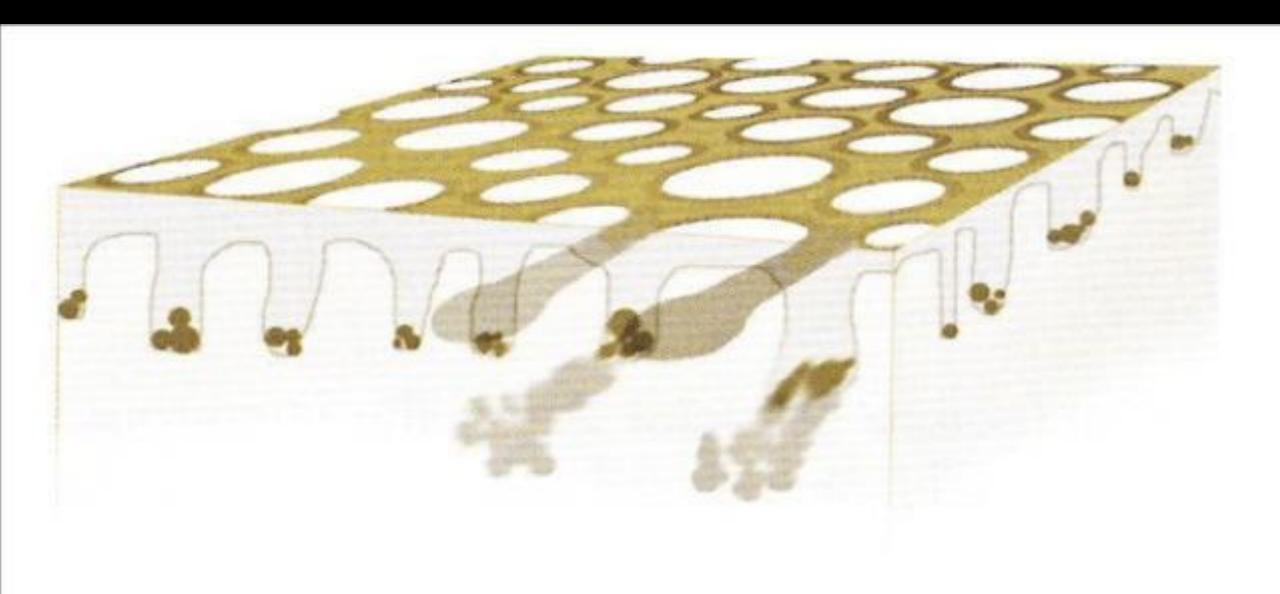


Kittler et al.



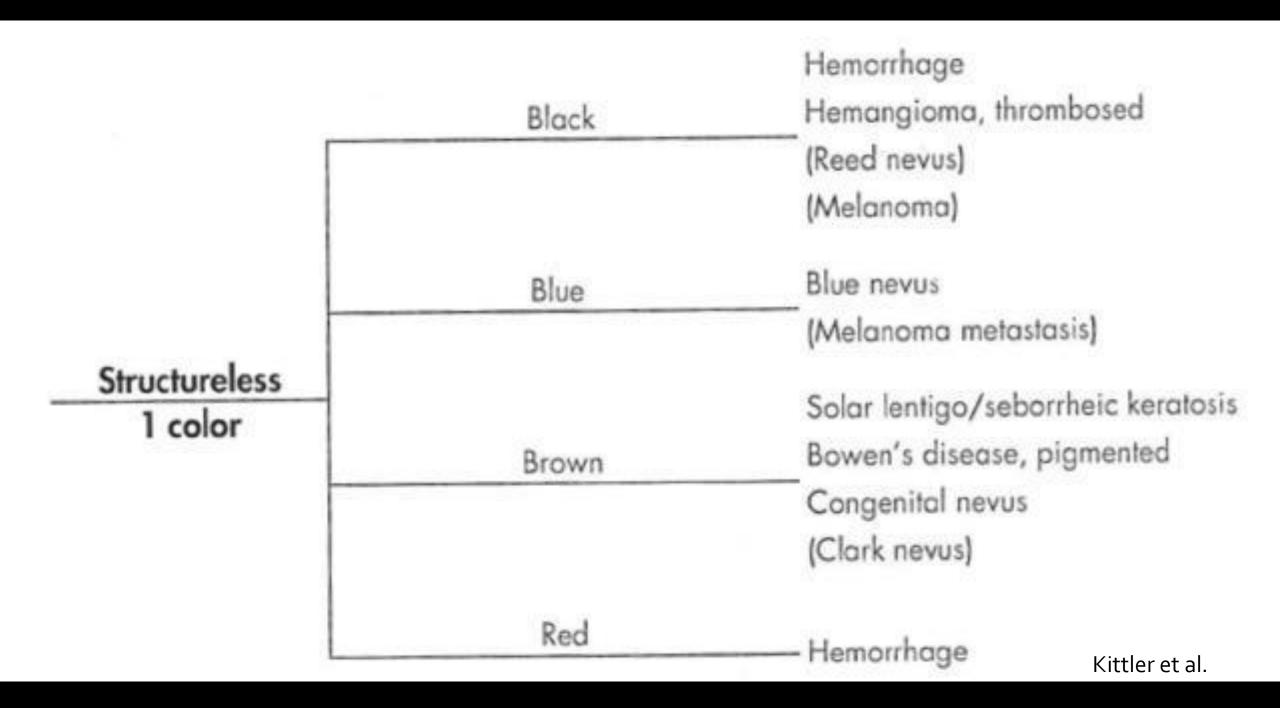




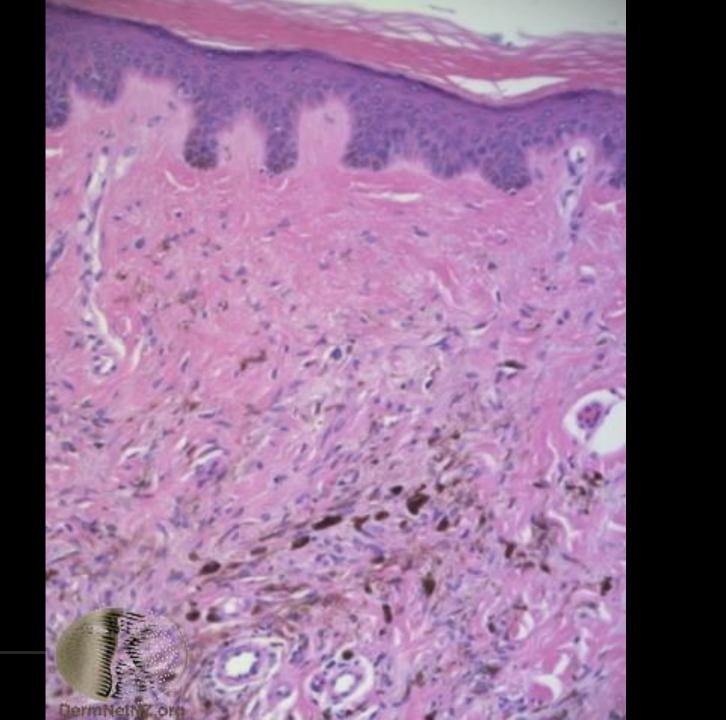


## Structureless

- Pigment has no relationship to the normal epidermal architecture
- areas:
- When epidermis is effaced or rete are absent



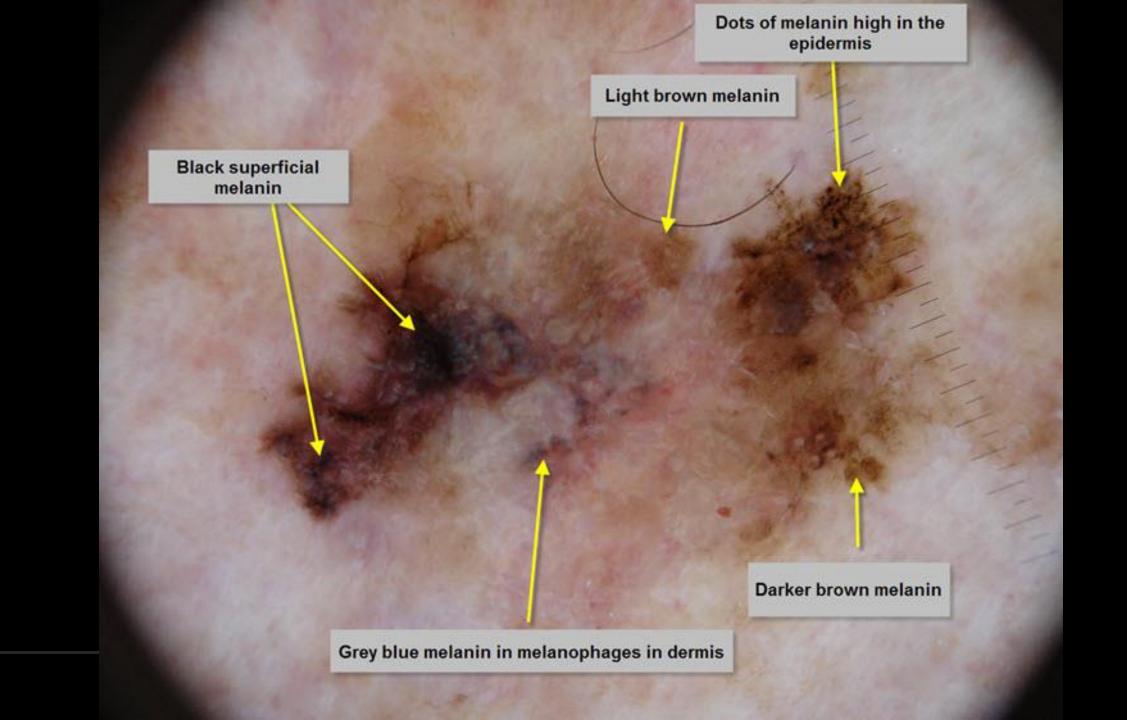


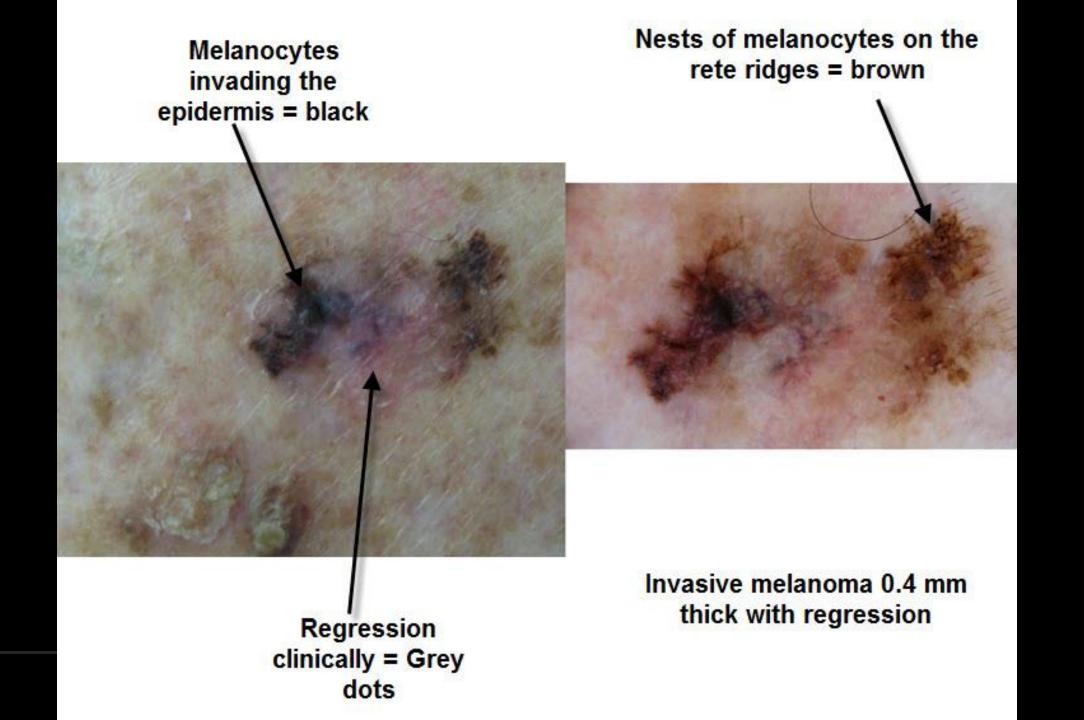


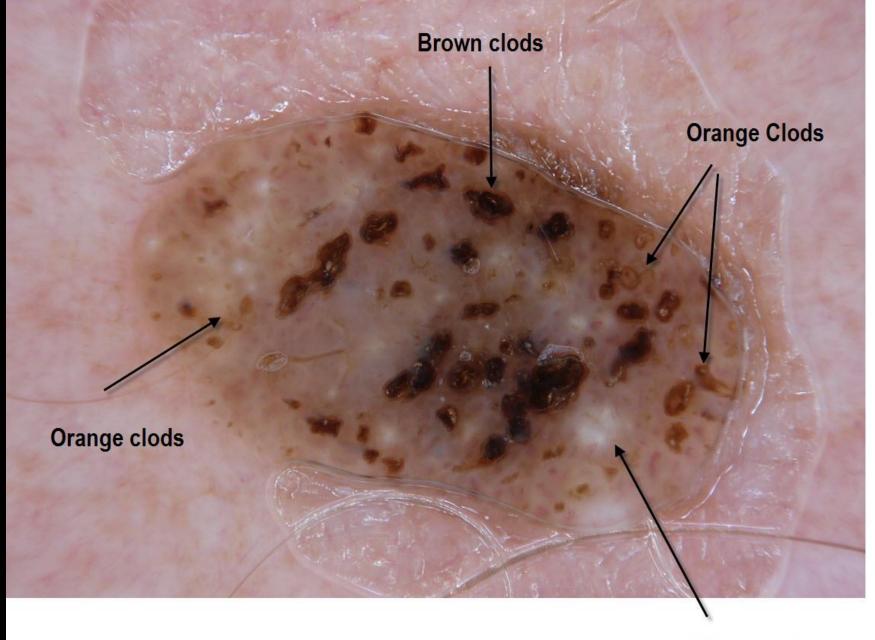
## Clues to diagnosis in diagnoscopy -

- 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



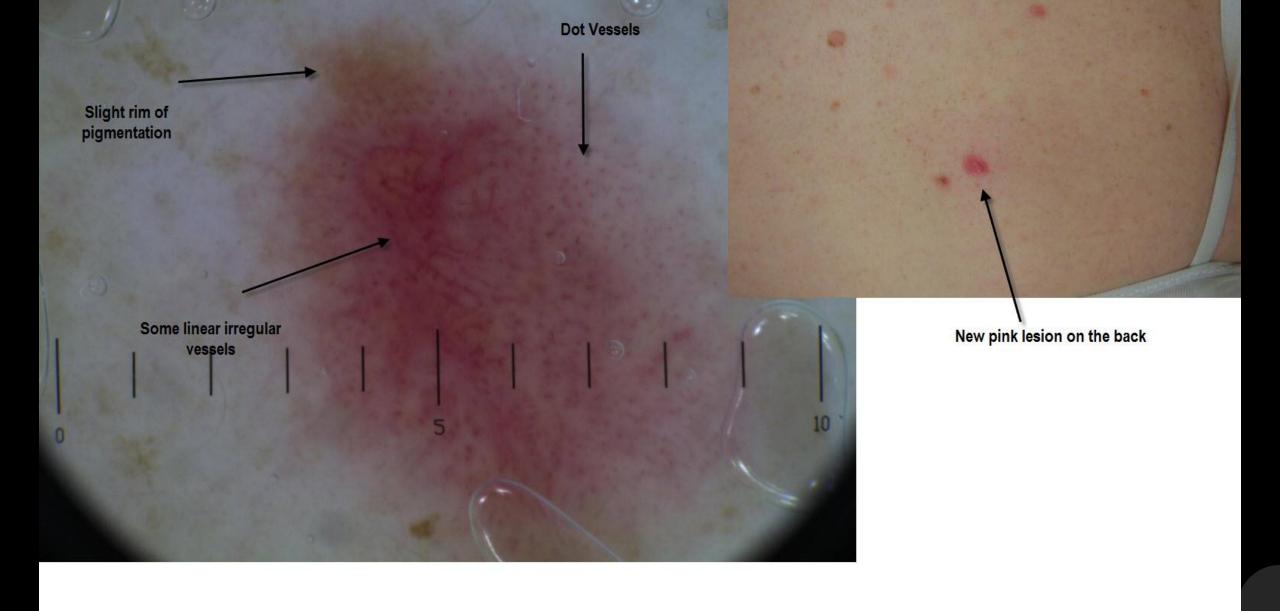






Seborrhoeic Keratosis

White clods



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

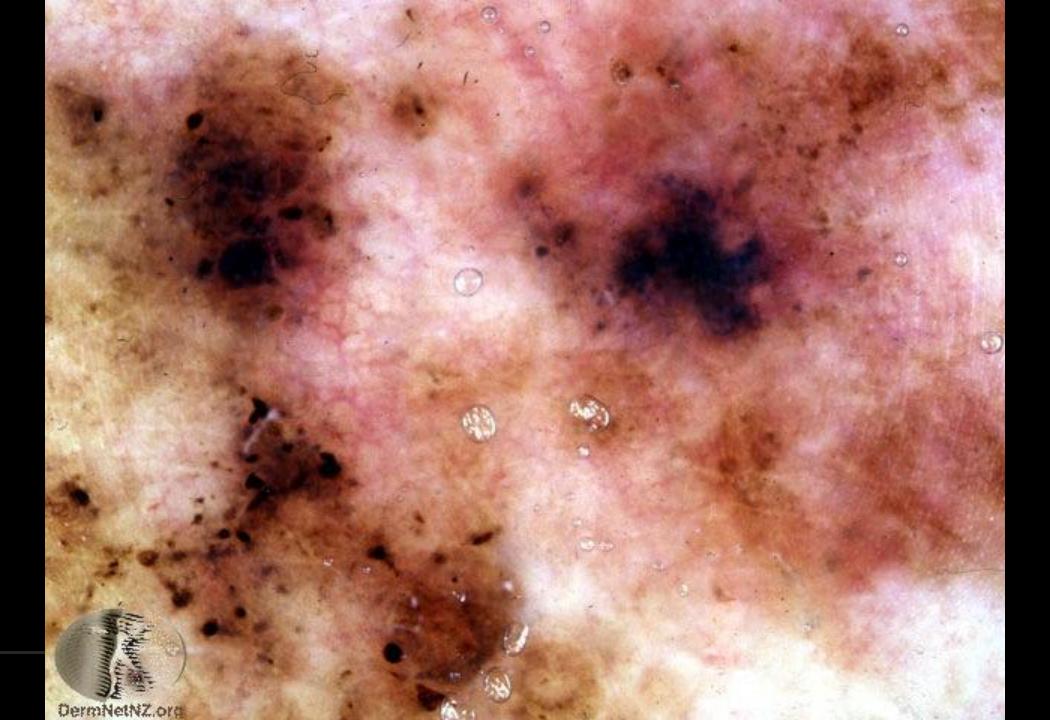










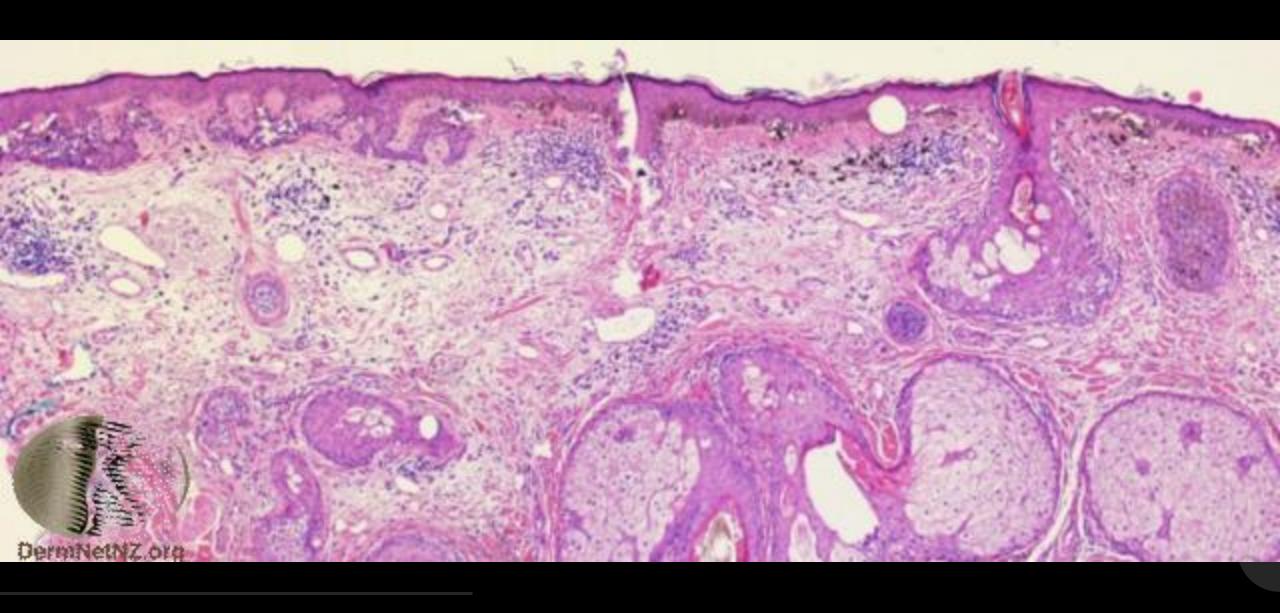


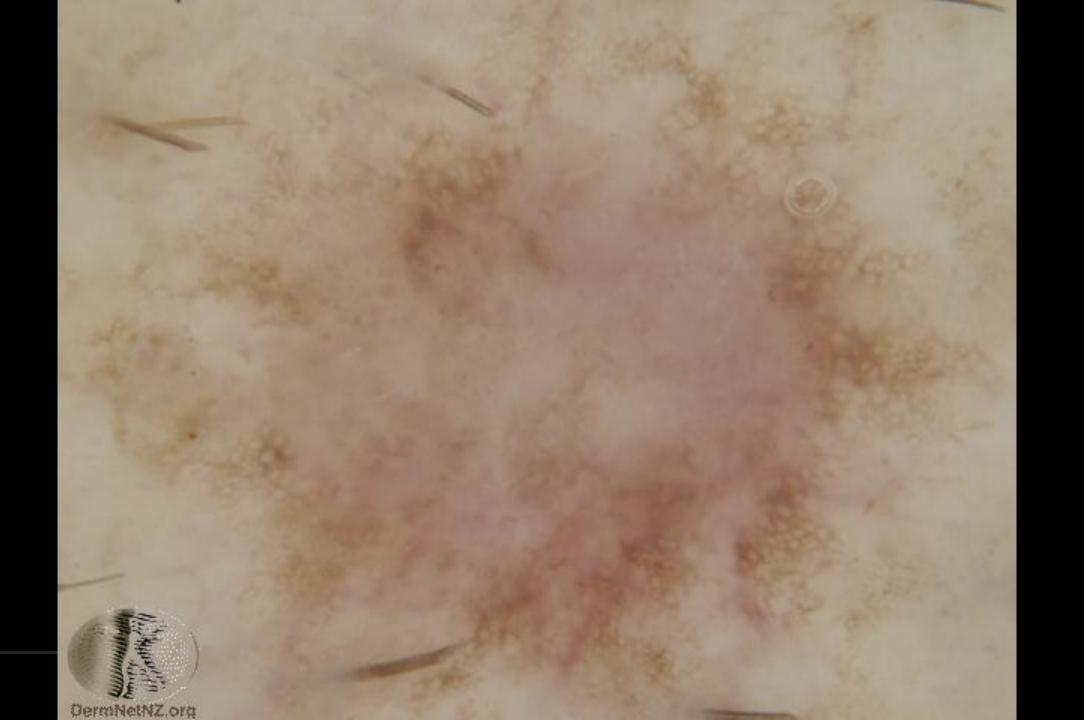


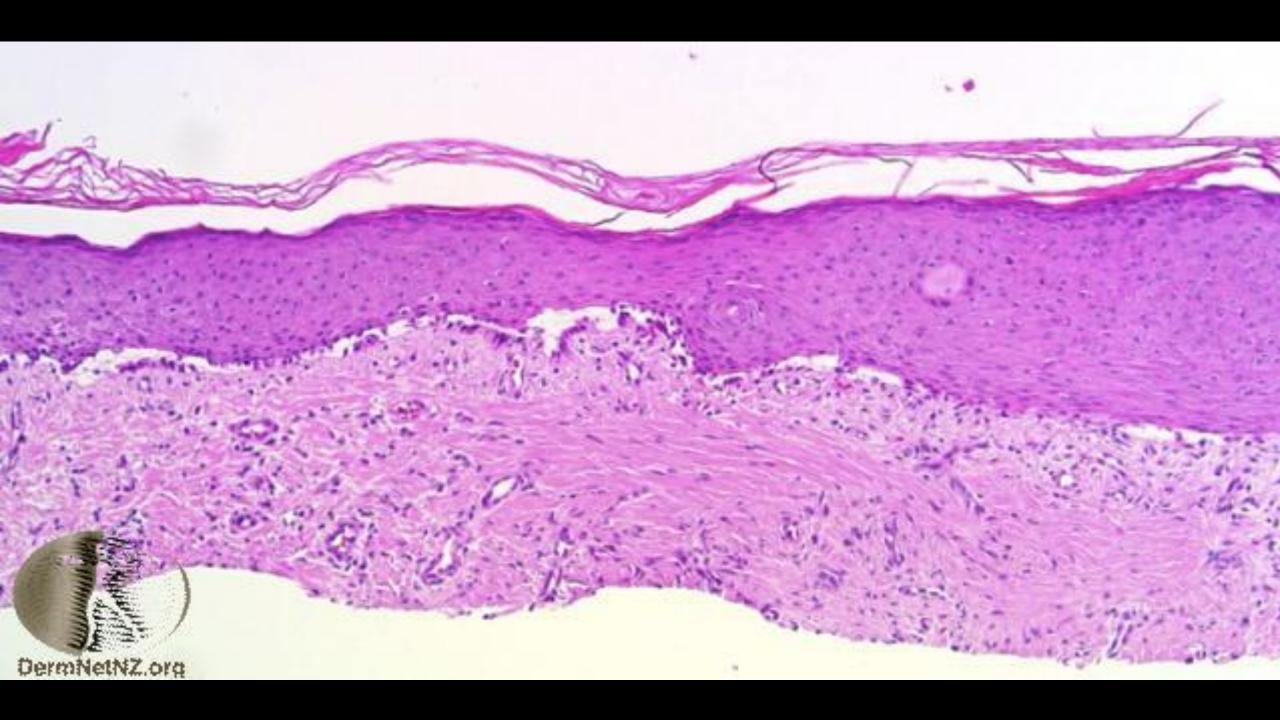






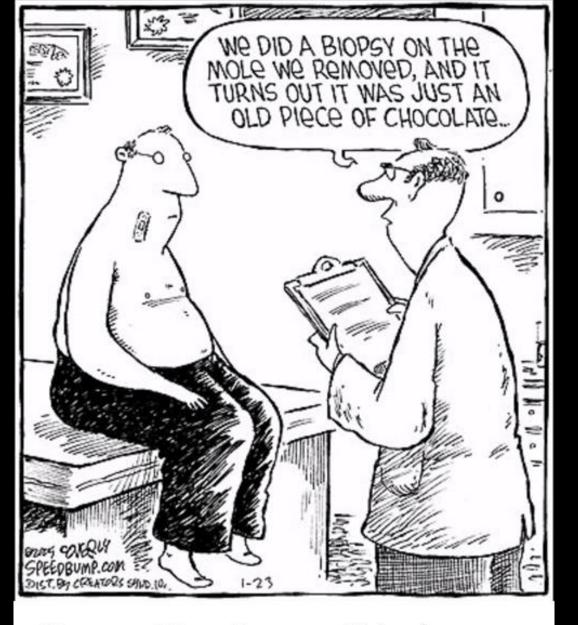








"I don't know what these dots are ... but ya mind if I connect 'em?"



Always Check your Skin for Moles