

Dermatology– diagnosing pigmented skin lesions

Windows and uncertainty



Aims

- ▶ Increase confidence in diagnosing pigmented skin lesions
- ▶ Manage diagnostic uncertainty whilst reducing the risk of missing a malignant melanoma

Objectives

- ▶ Recognise benign moles and understand benign changes
- ▶ Apply a system to evaluate skin lesions when faced with uncertainty (to safety net against missing malignant lesions and to develop a management plan to deal with uncertain lesions)

Dermatology Window

	I know what it's called	Don't know what it's called
Worried about it	A	B
Not worried	C	D

E



CLINT EASTWOOD

THE GOOD
AND THE BAD
AND THE UGLY

Dermatology Window

	I know what it's called	Don't know what it's called
Worried about it	A	B
Not worried	C	D

E

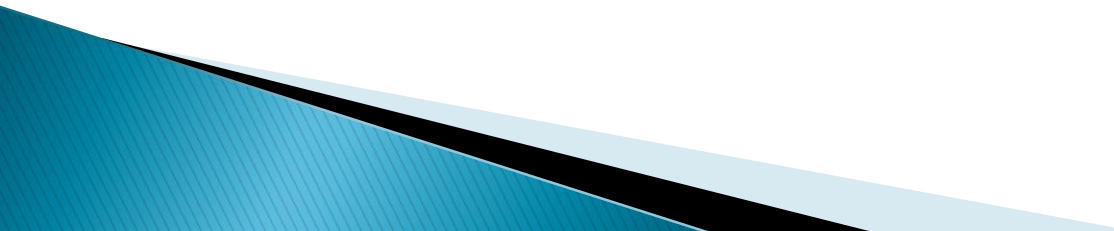
Moving line to right

	I know what it's called	Don't know what it's called
Worried about it	A	B
Not worried	C	D

Moving line up

	I know what it's called	Don't know what it's called
Worried about it	A	B
Not worried	C	D

How do we do this?

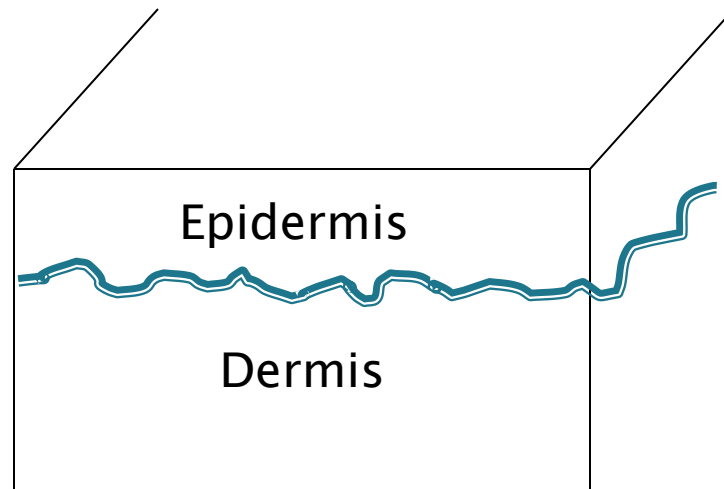
- ▶ Reading– online, textbook
 - ▶ Course
 - ▶ Ask colleague at time
 - ▶ Take picture and review with trainer
 - ▶ Experience– pattern recognition, learning from mistakes
 - ▶ Develop a strategy for looking at pigmented skin lesions
- 

Strategy 1

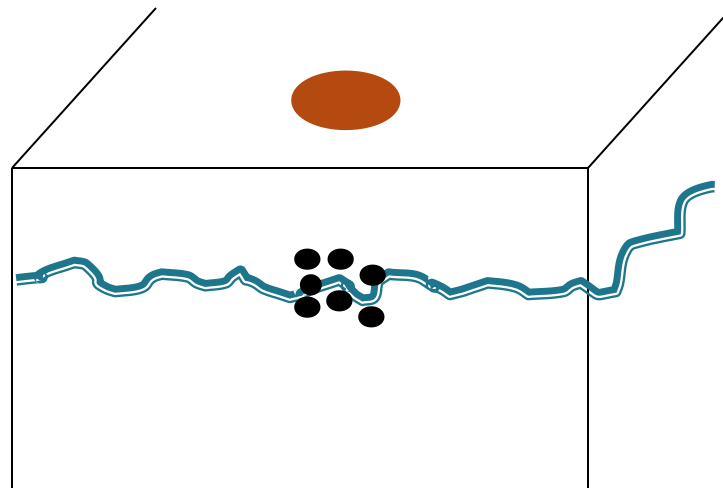
Know the natural history of benign moles

Differential Diagnosis in Dermatology
By Richard Ashton and Barbara Leppard

Skin layers

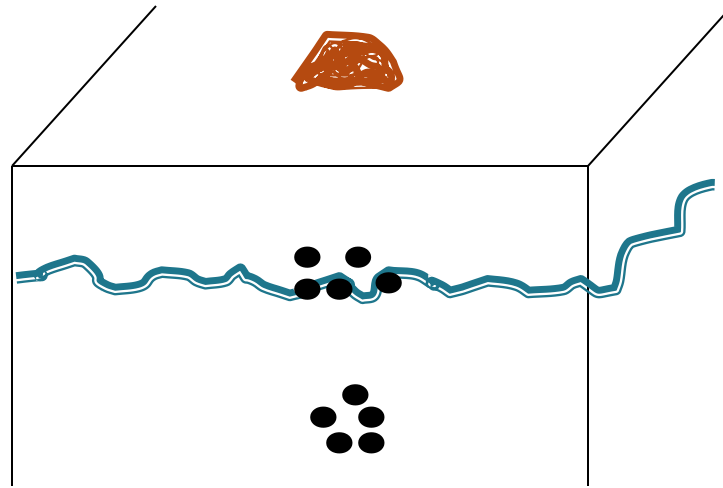


Junctional naevus – flat and brown





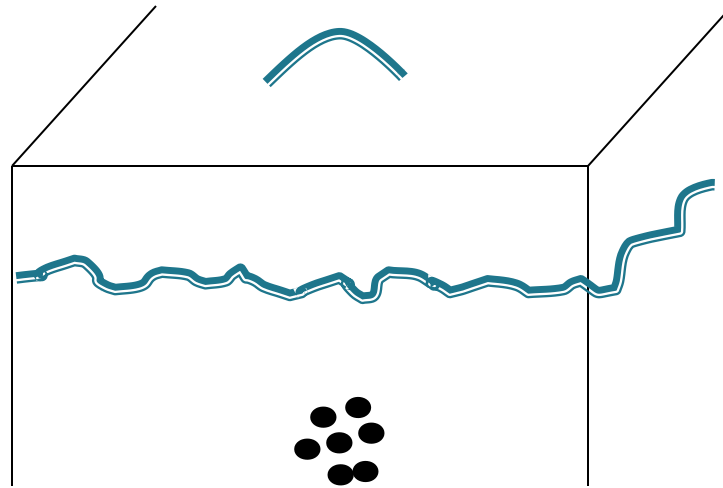
Compound naevus – raised and brown





Intradermal Naevus

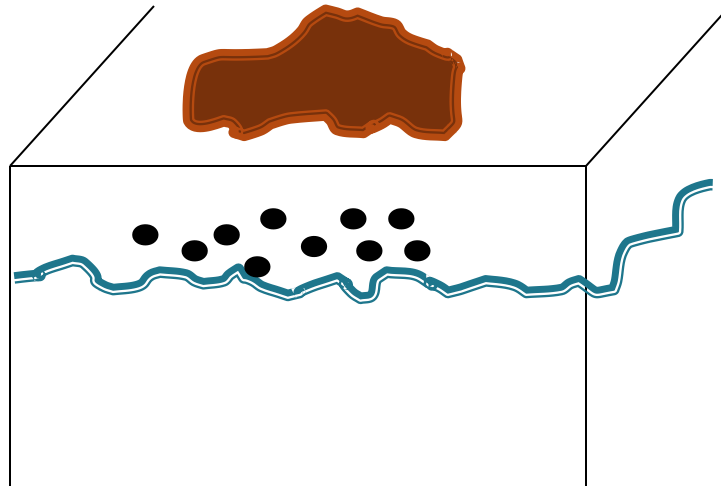
- raised and skin coloured





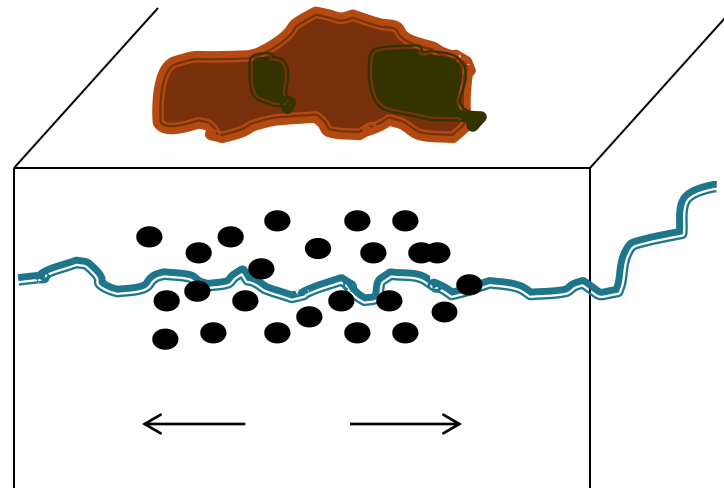
Lentigo Maligna

- large irregular brown patch



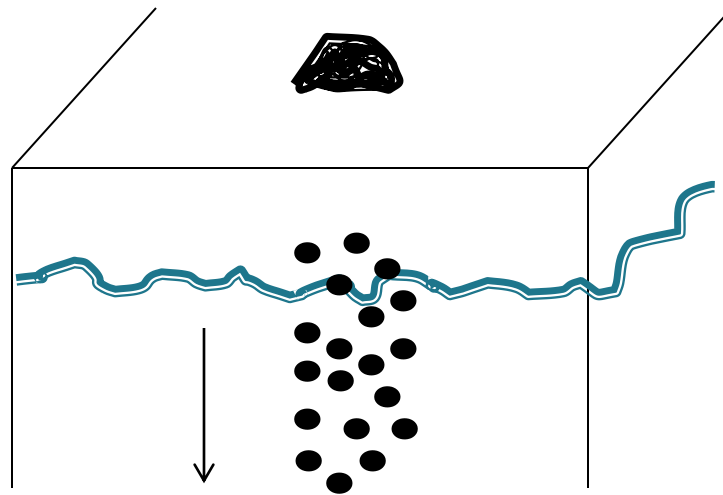


Superficial Spreading Malignant Melanoma



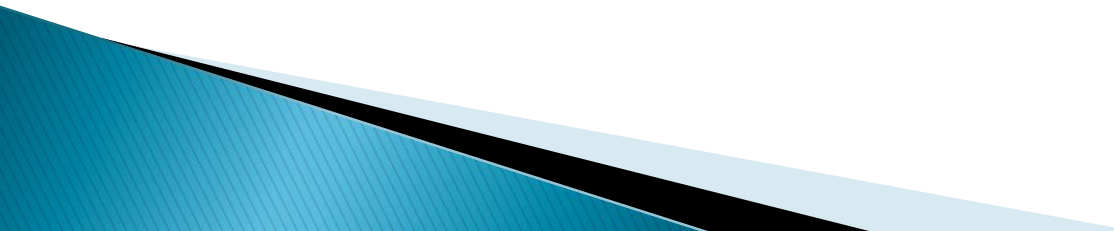


Nodular Malignant Melanoma

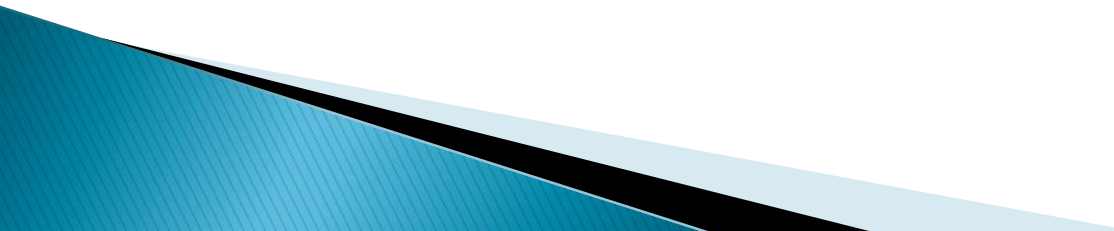




Malignant Melanoma

- ▶ = malignant tumour of melanocytes
 - ▶ 2/3 from normal skin, 1/3 pre-existing mole
 - ▶ 4 clinical patterns (lentigo maligna, SSMM, SSMM with nodule, nodular)
 - ▶ Risk factors
 - ▶ Breslow thickness and prognosis
 - ▶ Prevention advice
- 

Risk factors

- ▶ Skin types 1 and 2
 - ▶ Sun exposure (including sunbeds)
 - ▶ Badly burnt in childhood
 - ▶ Large number moles (>50)
 - ▶ Multiple atypical moles
 - ▶ FH malignant melanoma
 - ▶ Previous malignant melanoma
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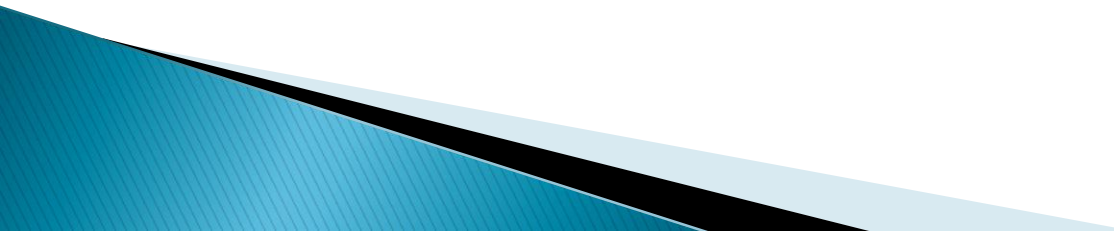
Breslow Thickness

Breslow Thickness	Prognosis (5 year survival)
<1 mm	95-100%
1-2mm	80-96%
2.1-4mm	60-75%
>4mm	50%

Strategy 2

Use a checklist

ABCDE checklist

- ▶ **Asymmetry**
 - ▶ **Border irregular**
 - ▶ **Colour irregular**
 - ▶ **Diameter over 7mm**
 - ▶ **Evolution**
- 

Glasgow 7 point checklist

- ▶ Major features (score 2 points)
 1. Change in size (diameter)
 2. Change or irregular shape
 3. Change or irregular colour

- ▶ Minor features (score 1 point)
 1. Diameter more than 6mm
 2. Inflammation
 3. Oozing or bgleeding
 4. Mild itch or altered sensation

Arden Cancer Network Two Week Referral Services.

This referral is made on the basis that the referring doctor consider that the patient has clinical indications of a new malignancy.

SKIN

REASON FOR REFERRAL						TICK
MELANOMA						
Pigmented lesion > 5 mm		Location				
Features						
Growing in size / shape		Irregular outline		Inflammation		
Change in colour		Mixed colour		Ulceration		
SCC						
Non-healing lesion		Location				
Induration on palpitation		Documented expansion				
Risk factors						
Prolonged UV exposure		Immunosuppression				

Managing Uncertainty

	Doctor worried	Doctor not worried
Patient worried	A	B
Patient not worried	C	D

E













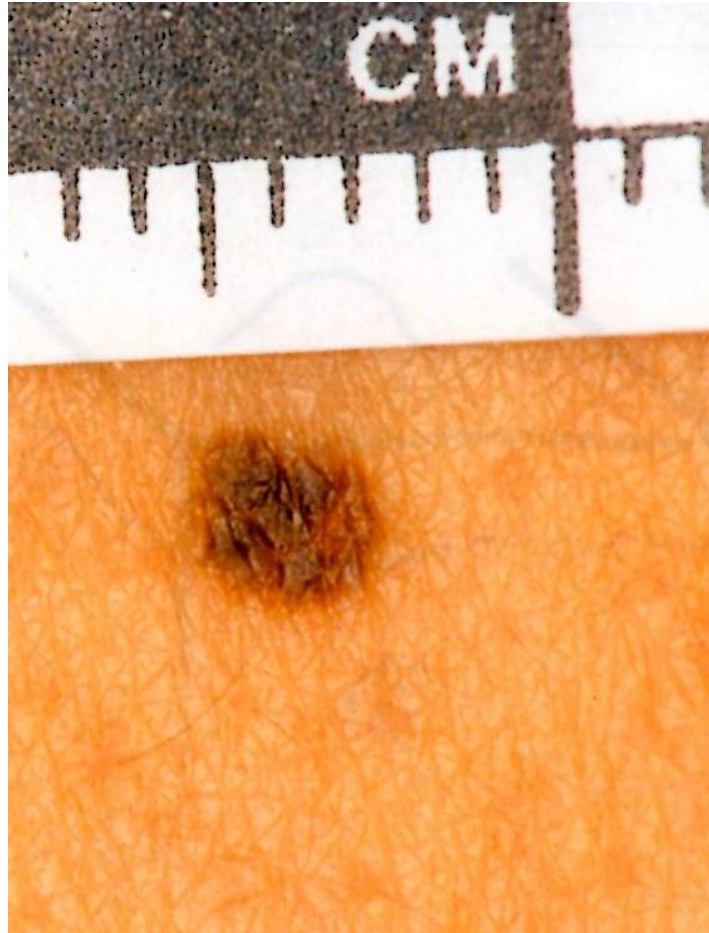












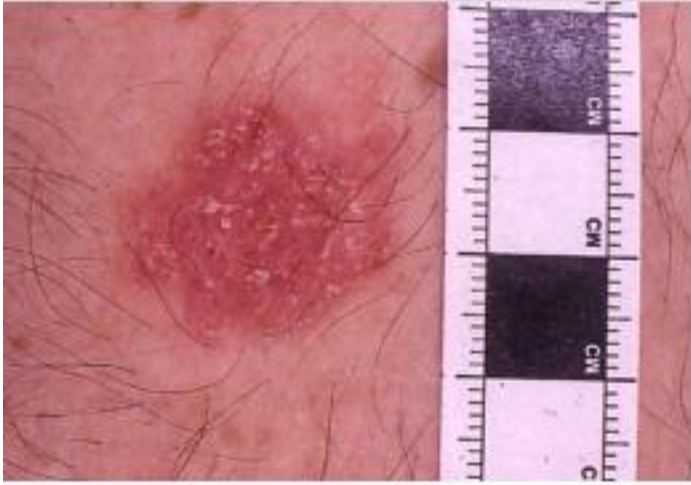






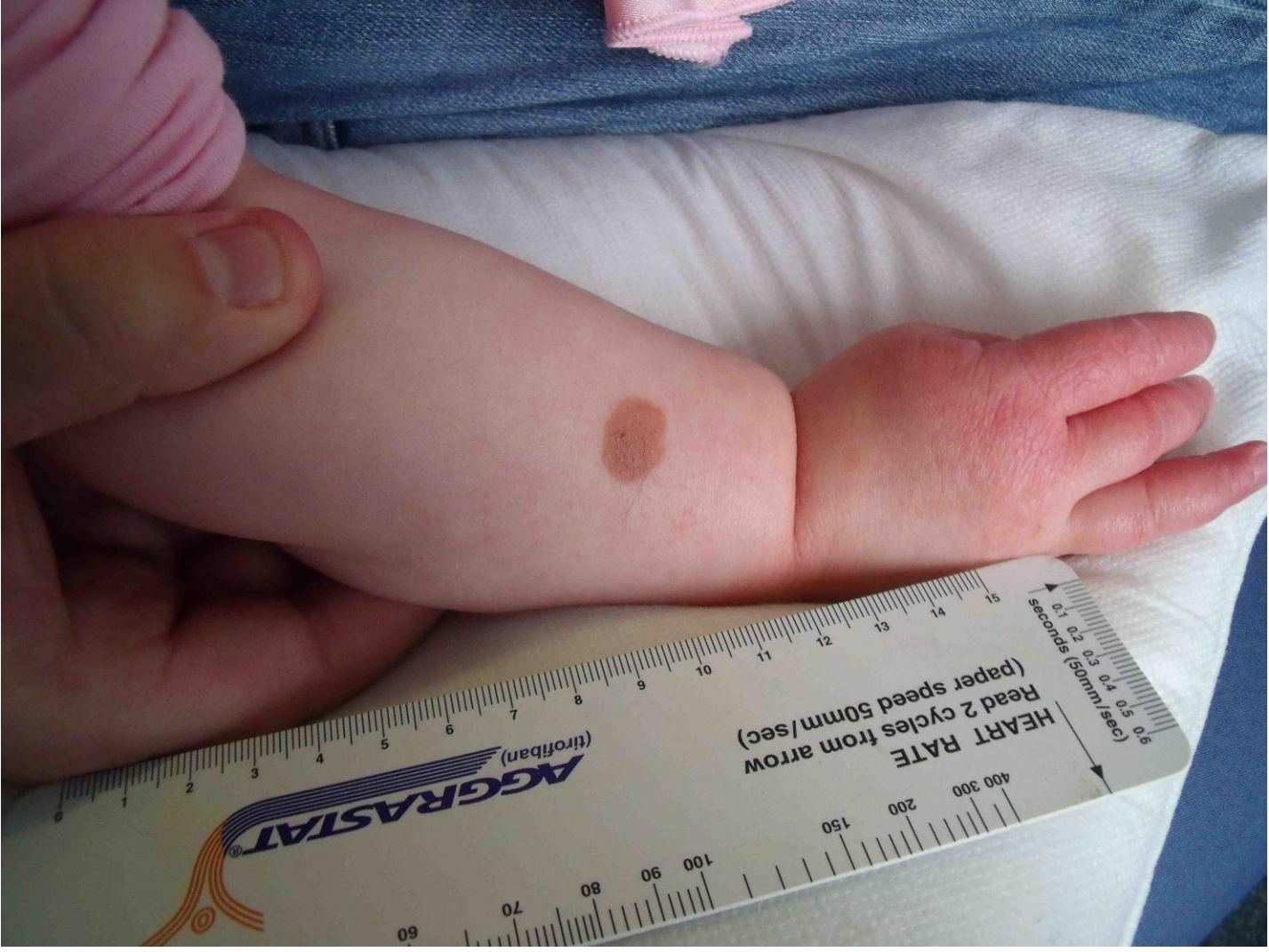












1. Junctional naevus
2. Intradermal naevus
3. SSMM
4. Junctional naevus
5. SSMM
6. Nodular melanoma
7. BCC
8. Seborrhoeic keratosis
9. Compound naevus
10. SSMM maybe nodular
11. Lentigo maligna

12. Junctional naevus
13. Nodular melanoma
14. Intradermal naevus
15. Compound naevus
16. SSMM
17. BCC
18. Superficial BCCs
19. Orf
20. Spider naevus
21. Congenital naevus

Thank you!

A decorative graphic at the bottom of the slide consisting of a dark blue wavy shape on the left, a black horizontal bar in the middle, and a light blue wavy shape on the right.