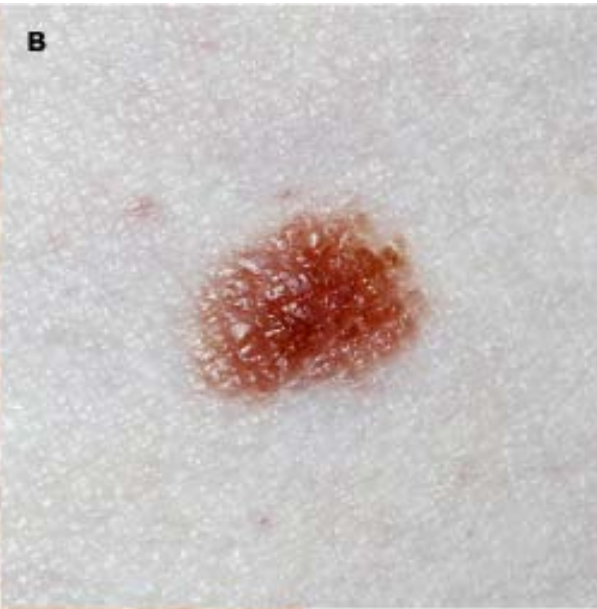
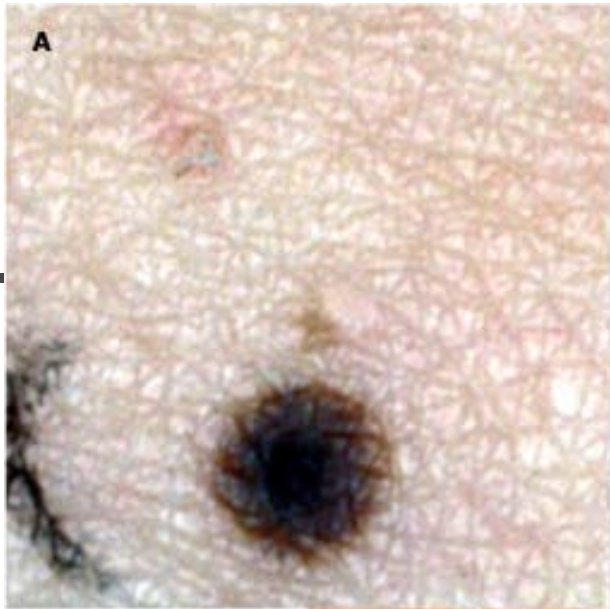


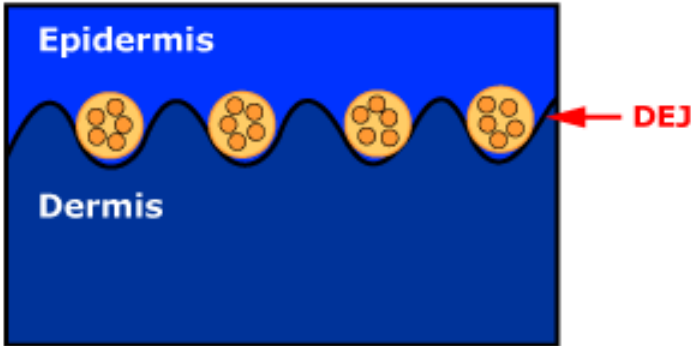
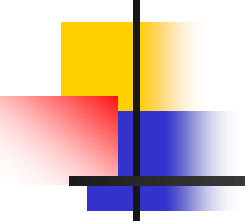


# Moles 2

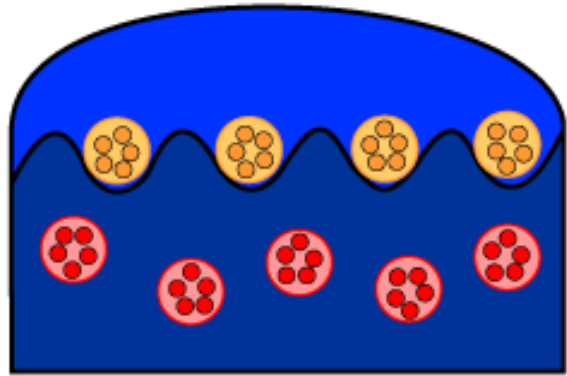
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Tom Paige  
Department of Dermatology  
CCRMC

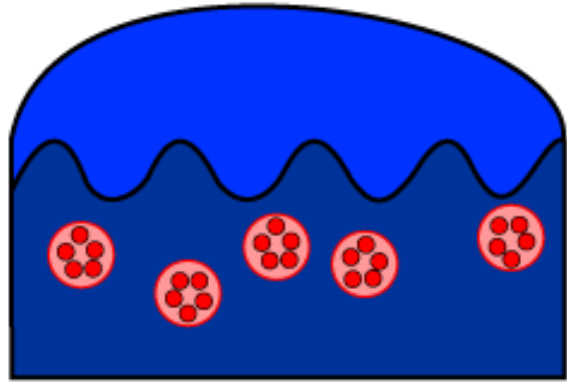




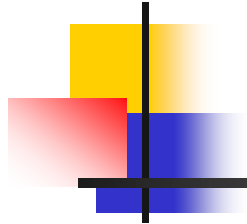
**Junctional**

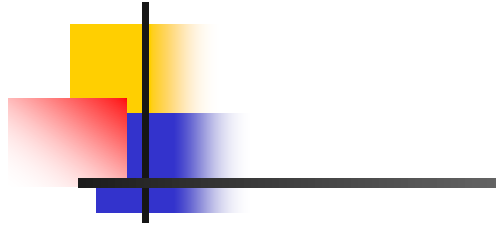


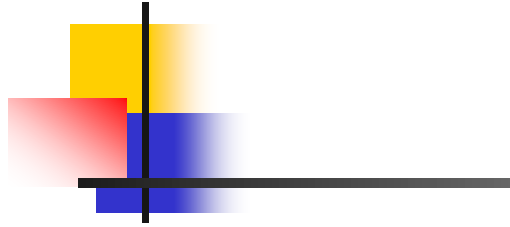
**Compound**

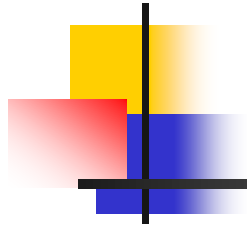


**Dermal**

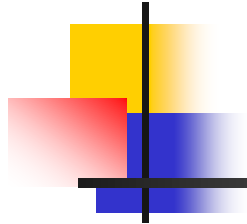






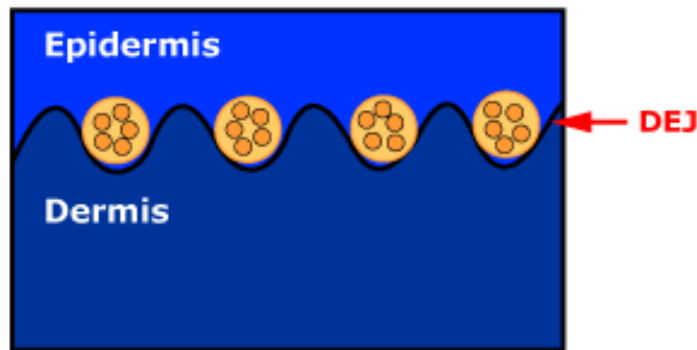




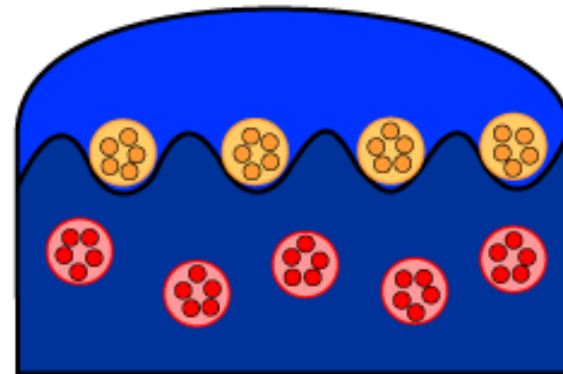




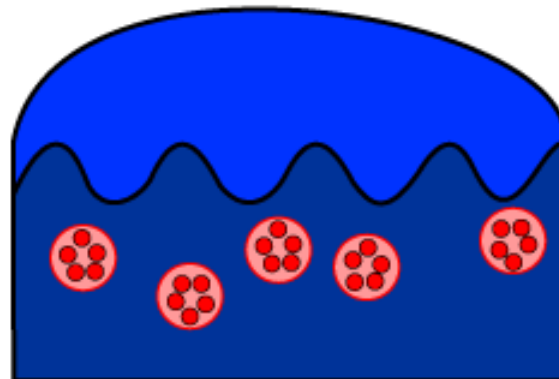
# Nomenclature for acquired melanocytic nevi



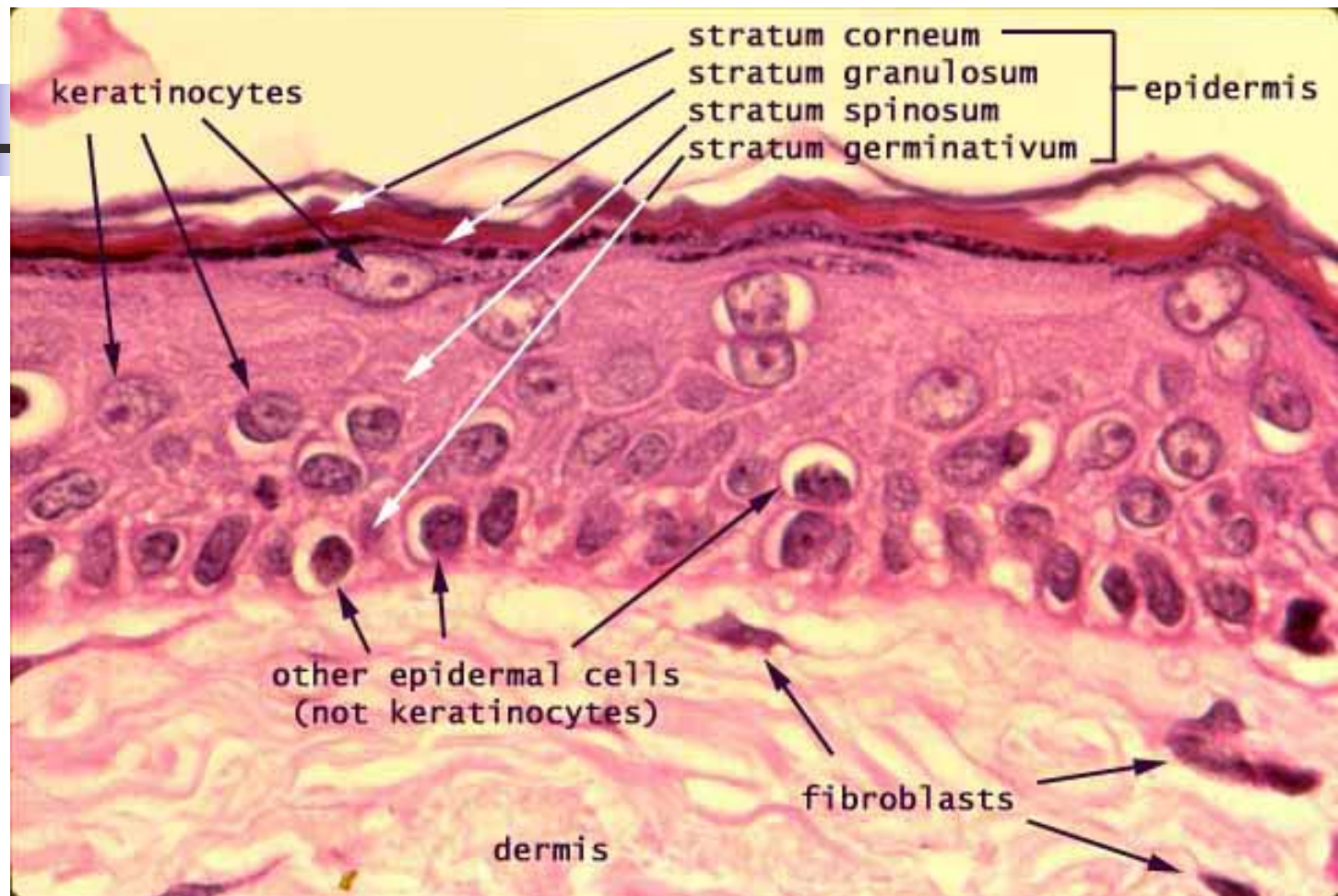
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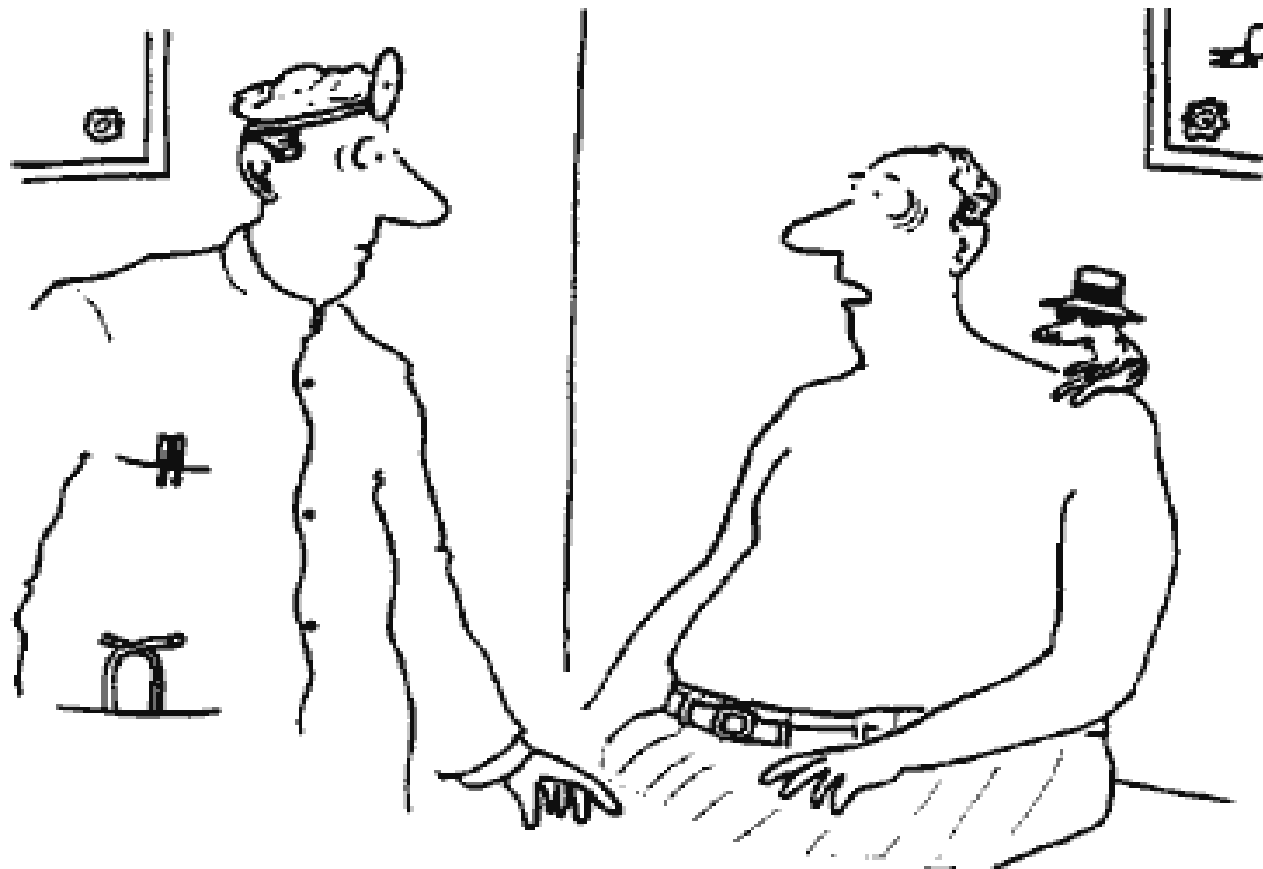


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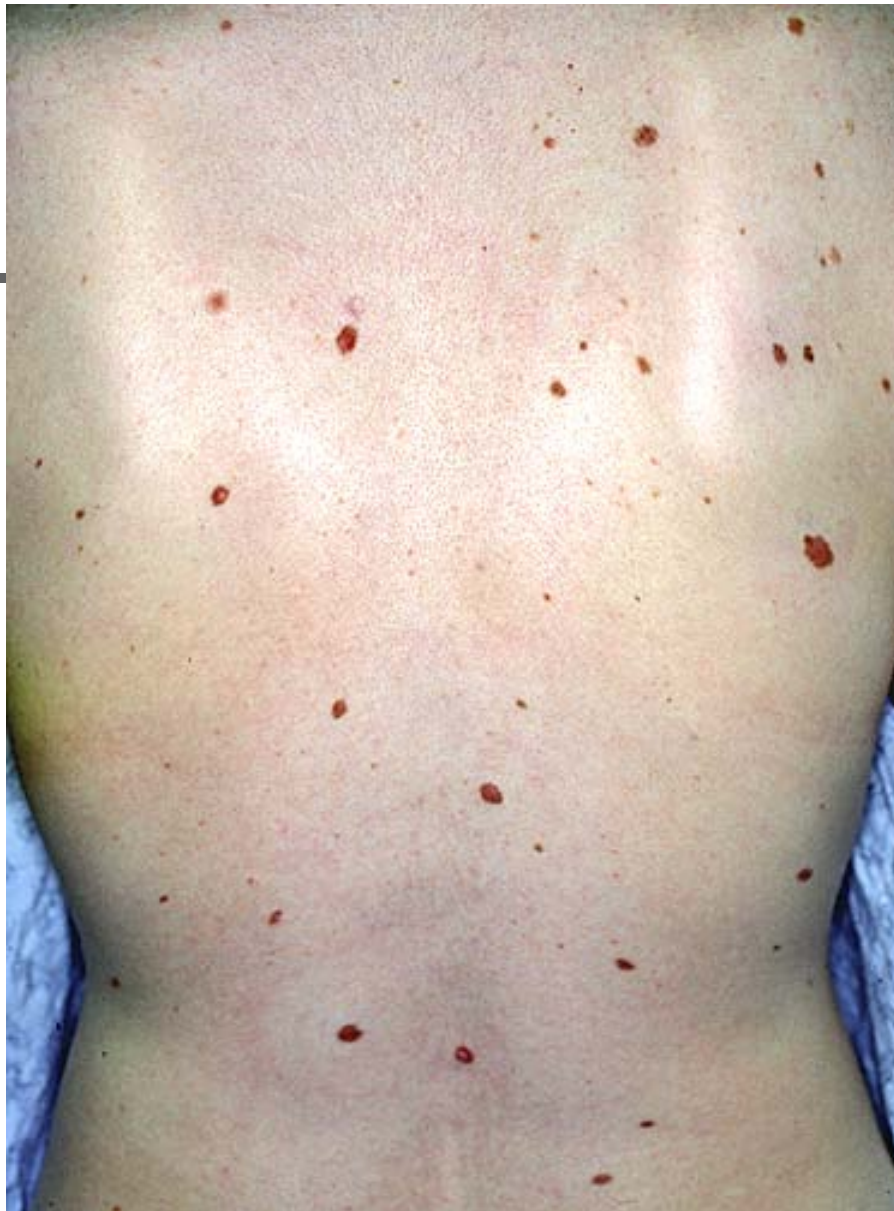
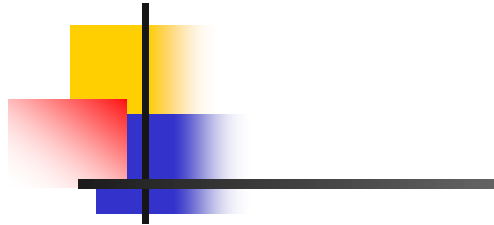
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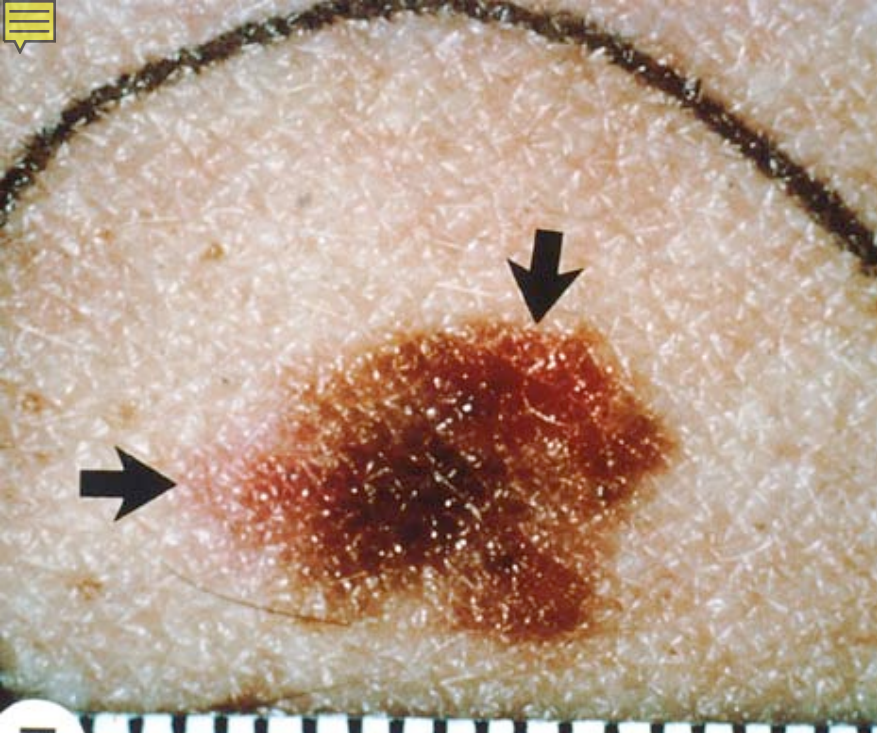


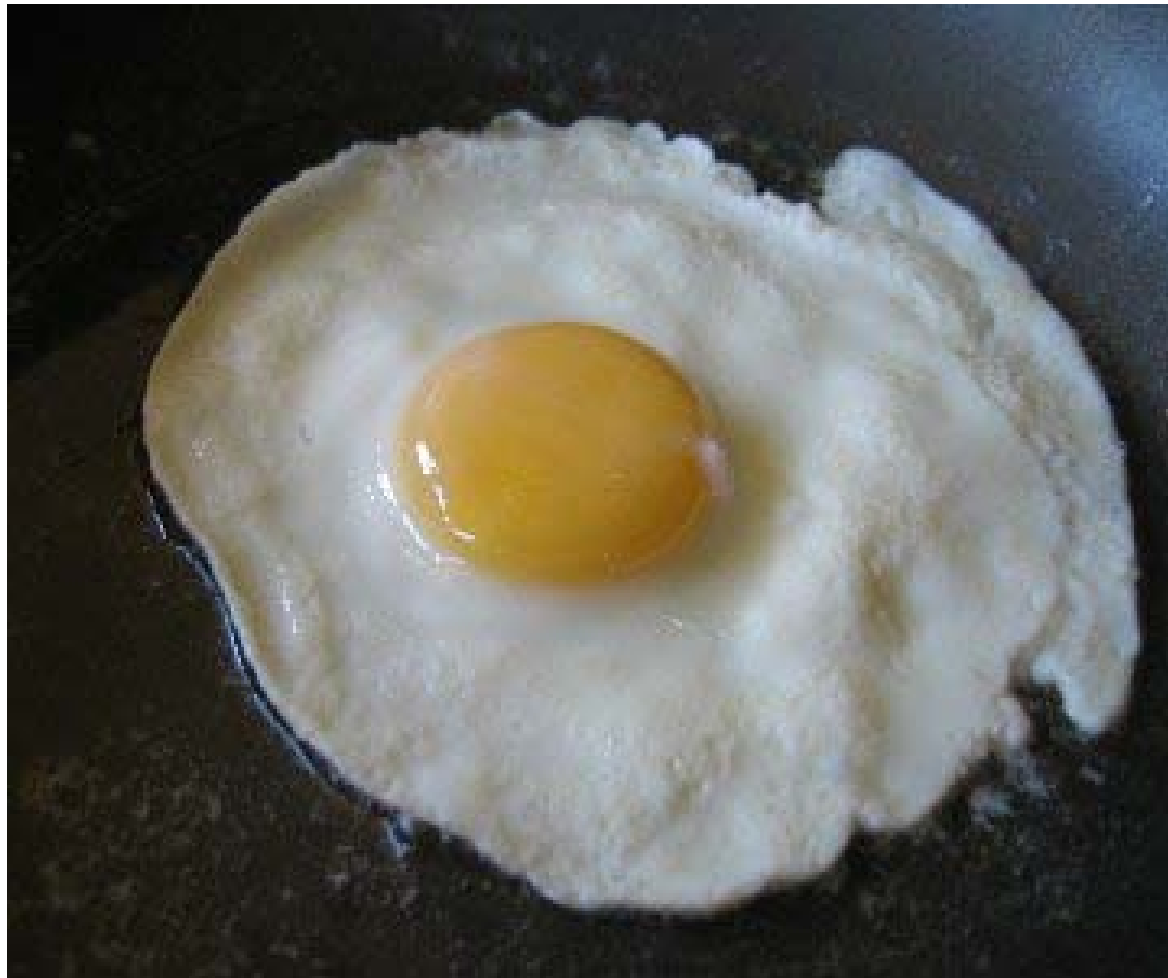
***"Doctor, I have a suspicious  
looking mole on my shoulder."***



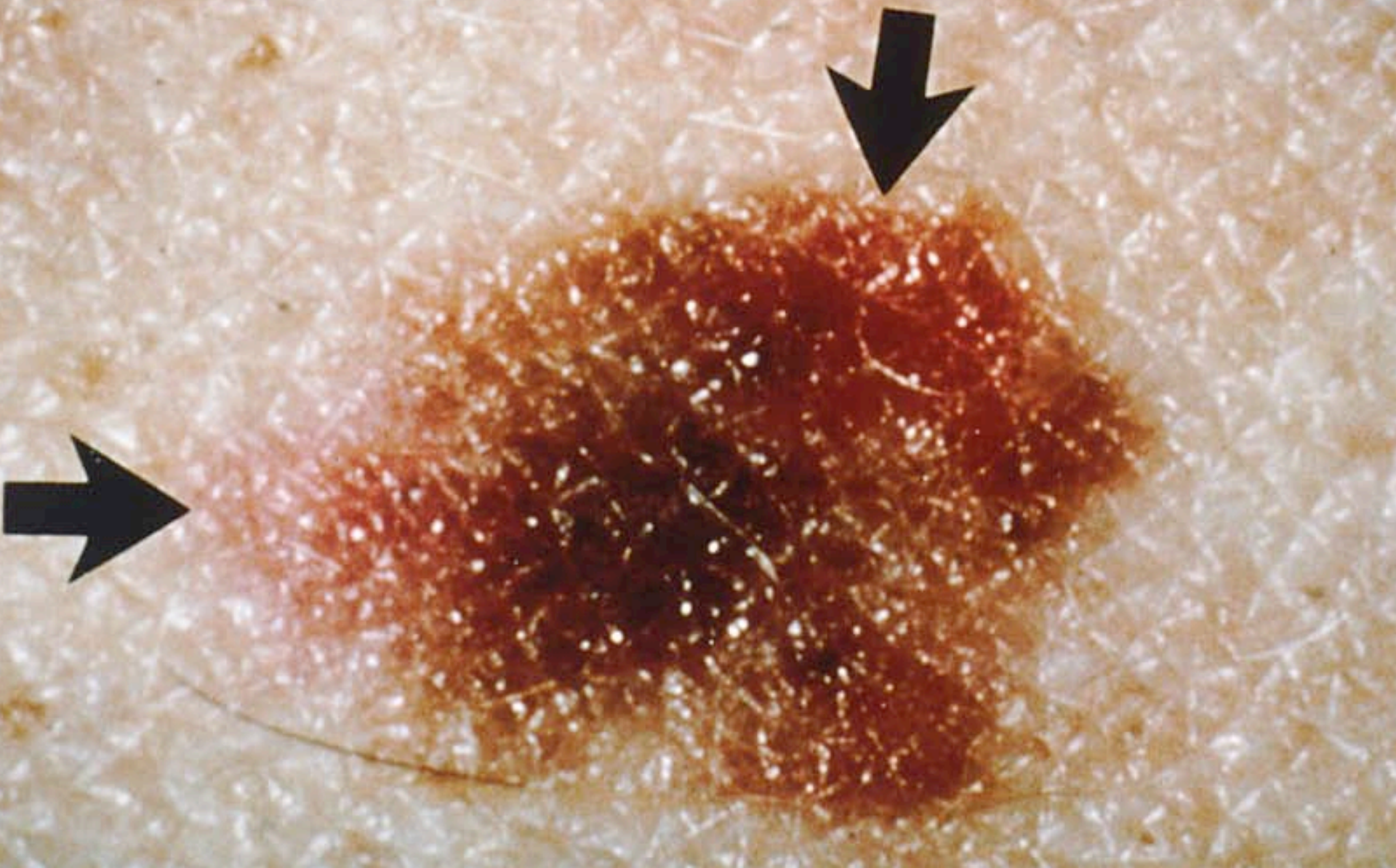














# Atypical Nevi

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- Benign acquired moles that share, but to a lesser extent, some of the clinical features of melanoma
- 1992 NIH Consensus Conference recommended the use of the term “atypical nevus” in lieu of dysplastic nevus.
- NIH also recommended that these atypical moles be described histologically as “nevi with architectural disorder” and the degree of melanocytic atypia needs to be specified



# Epidemiology of Atypical Moles



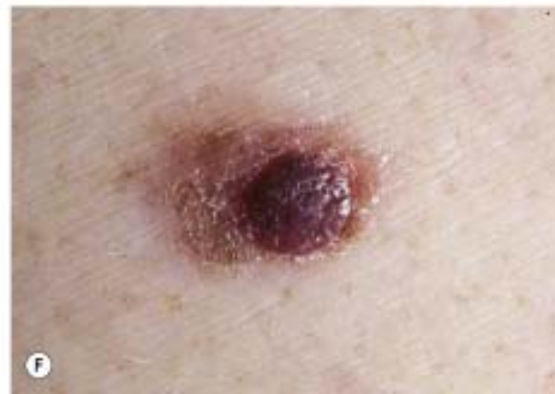
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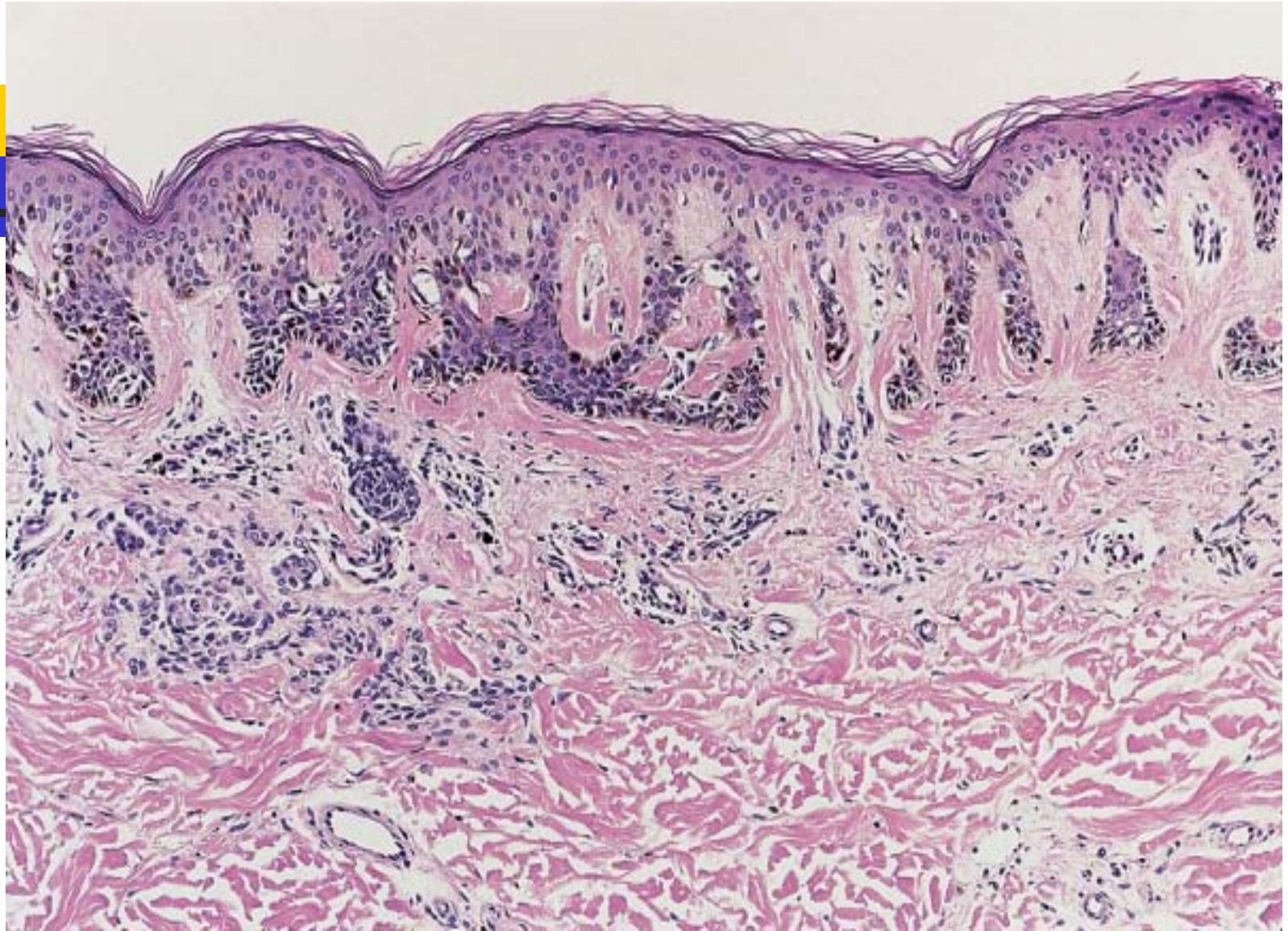
- Estimates of incidence 5% range, but estimates as high as 53% have been reported in US population
- In the setting of a family history of atypical moles and melanoma, there is an increased risk of developing melanoma in a lifetime
- The controversy arises when the history for melanoma is negative in a kindred with atypical moles.



Characteristic	Common acquired nevi	Atypical nevi	Cutaneous melanoma
Size	<5–6 mm	3–15 mm	Any size, but tend to be greater than 5 mm
Border	Regular, well defined	Irregular, ill defined (continuum)	More irregular, very ill defined (continuum)
Symmetry	Symmetrical	Some asymmetry (continuum)	Greater asymmetry (continuum)
Coloration	Homogeneous, regular	Somewhat haphazard (continuum)	Haphazard (more complexity) (continuum)
Colors	Tan to dark brown, skin-colored ;	Tan to dark brown, black, pink occasionally gray, blue, white	Tan to dark brown, black , pink, red, gray, blue, white









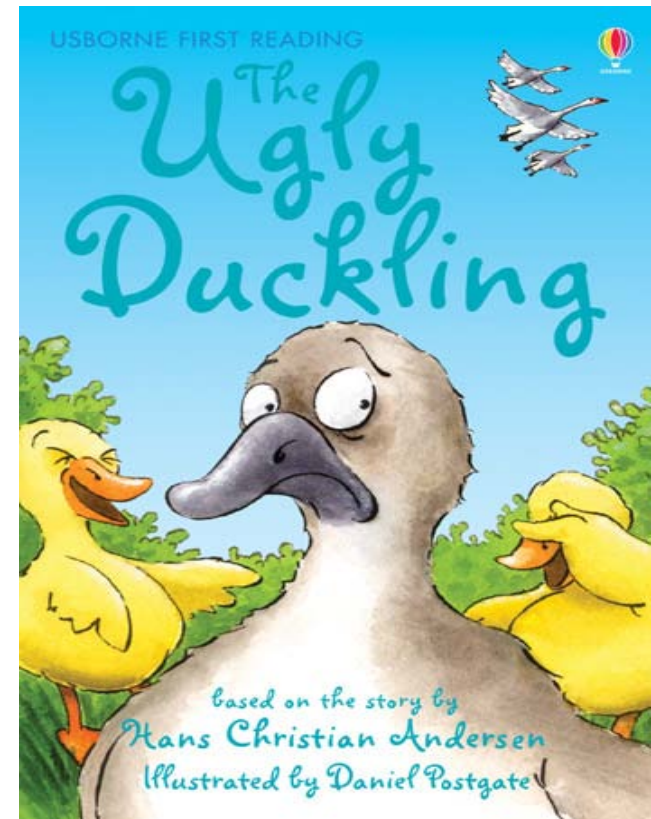
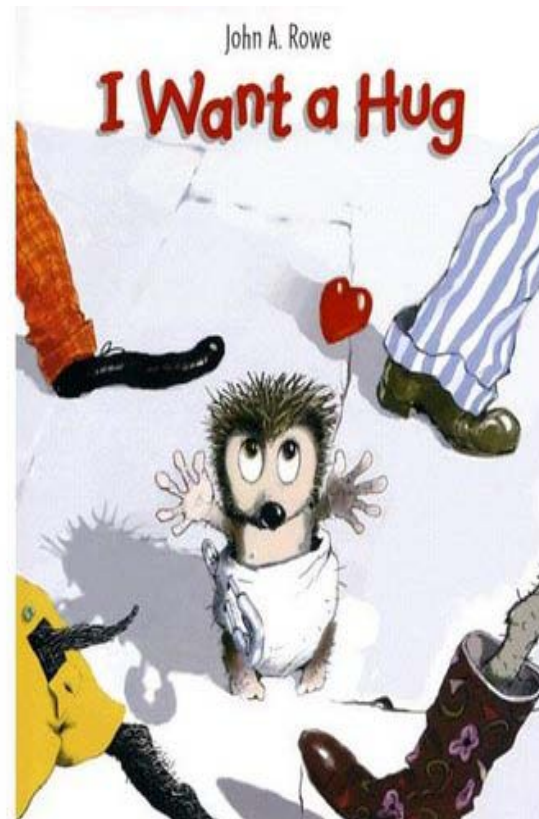
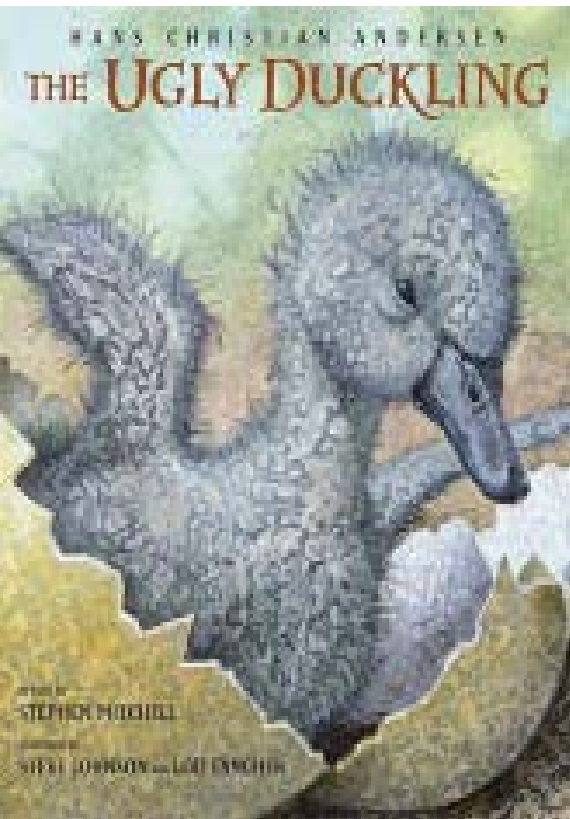
# Clinical Settings In Which Atypical Moles Occur

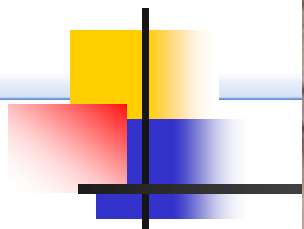
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- Sporadic atypical moles
- The atypical mole syndrome
- The familial atypical mole and melanoma syndrome ( FAMM)



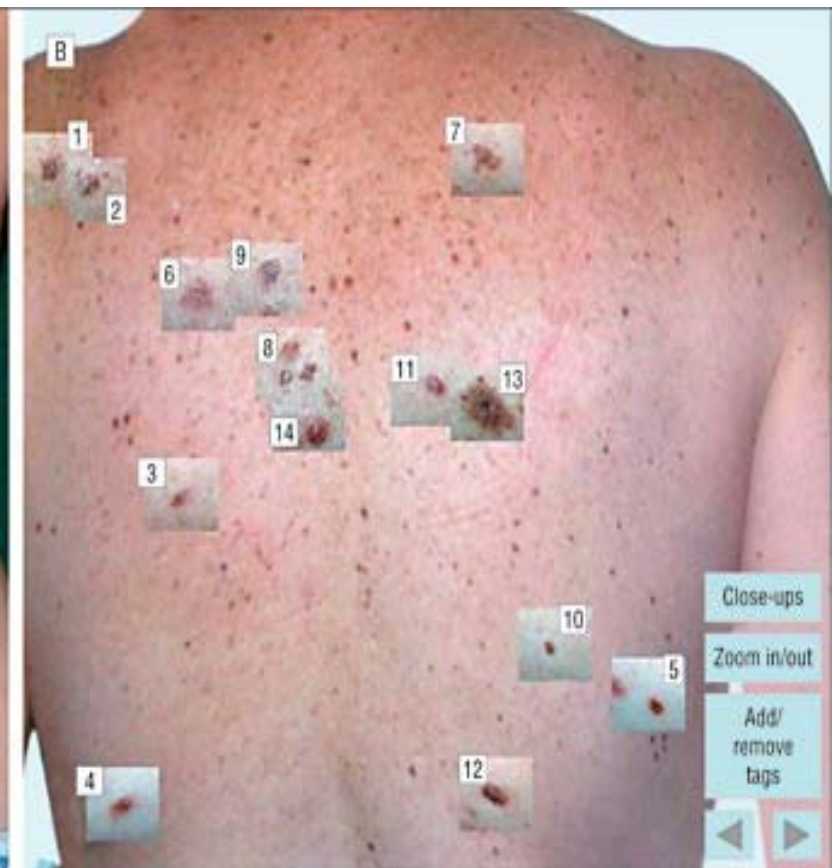
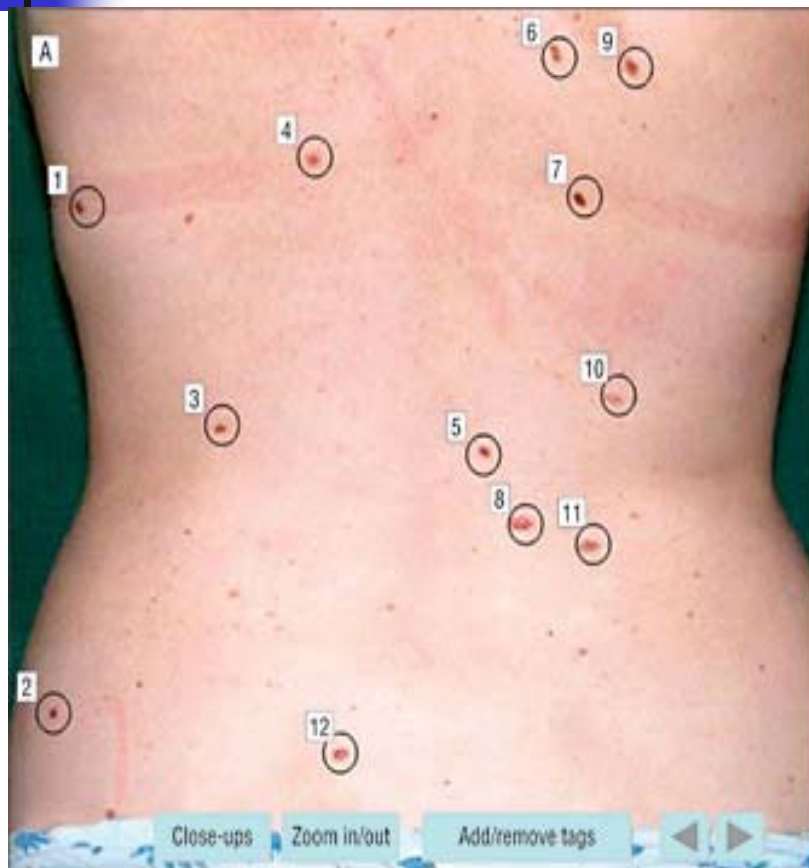
# The Ugly Duckling











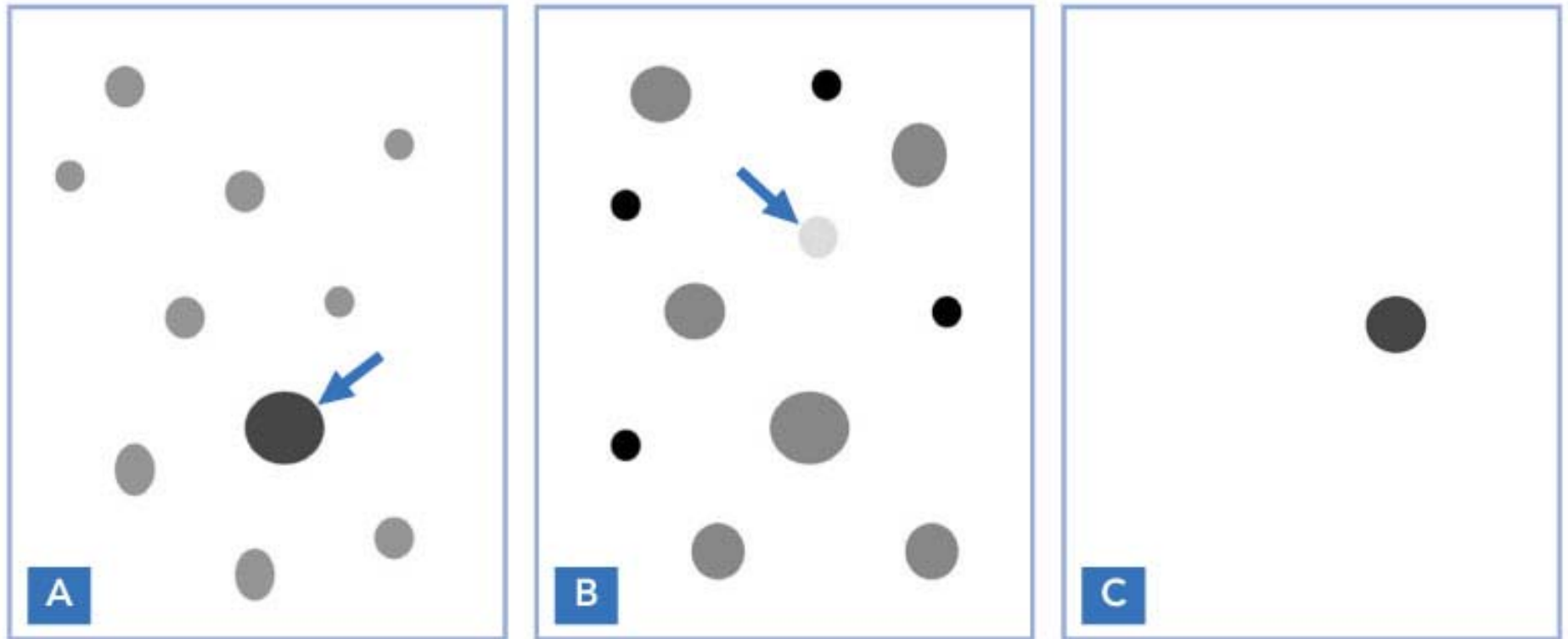
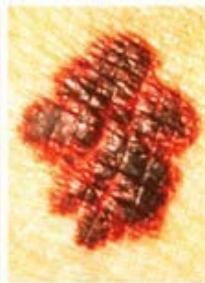


Figure 1. Three Examples of an Ugly Duckling



Asymmetry



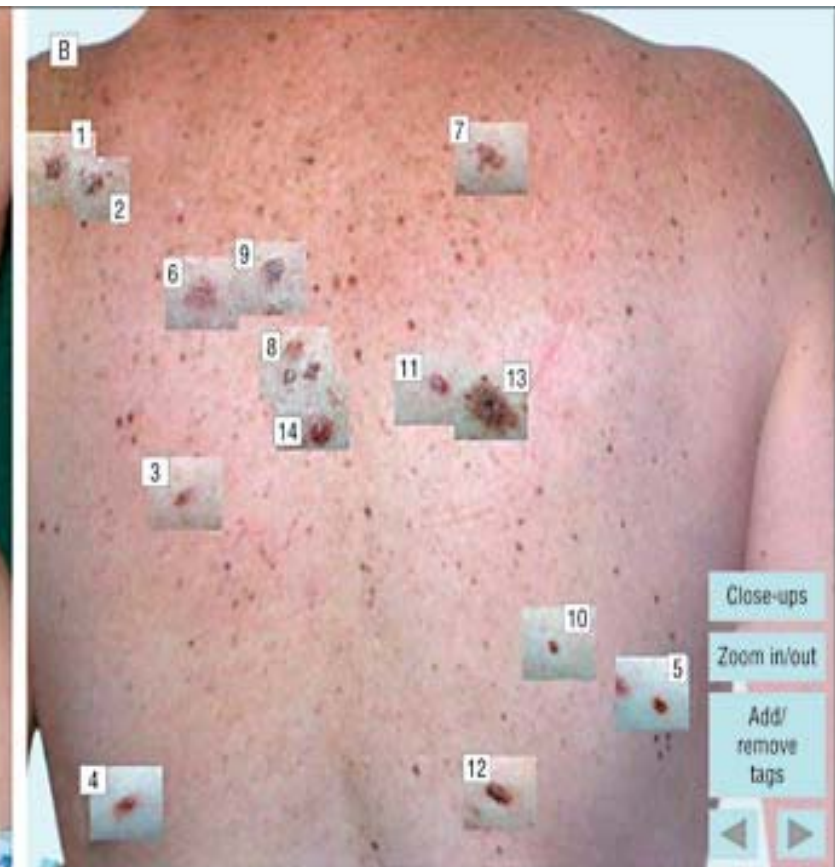
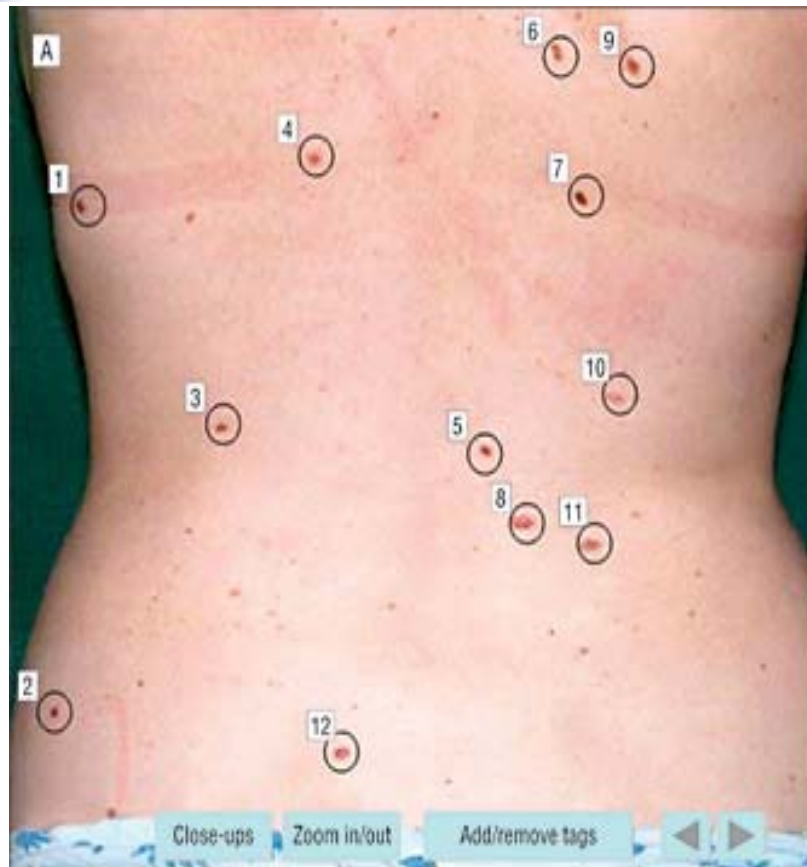
Border  
irregularity



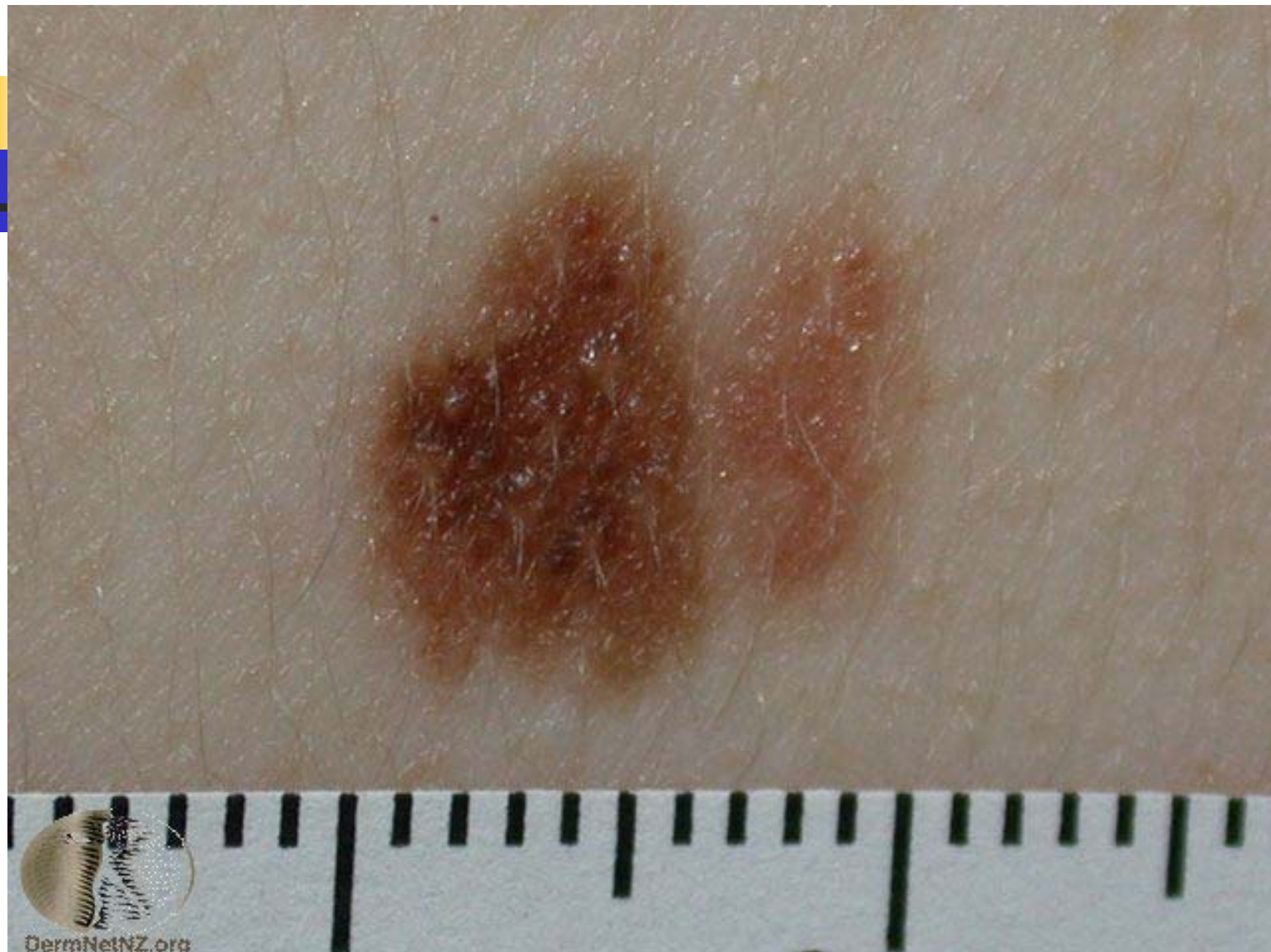
Color

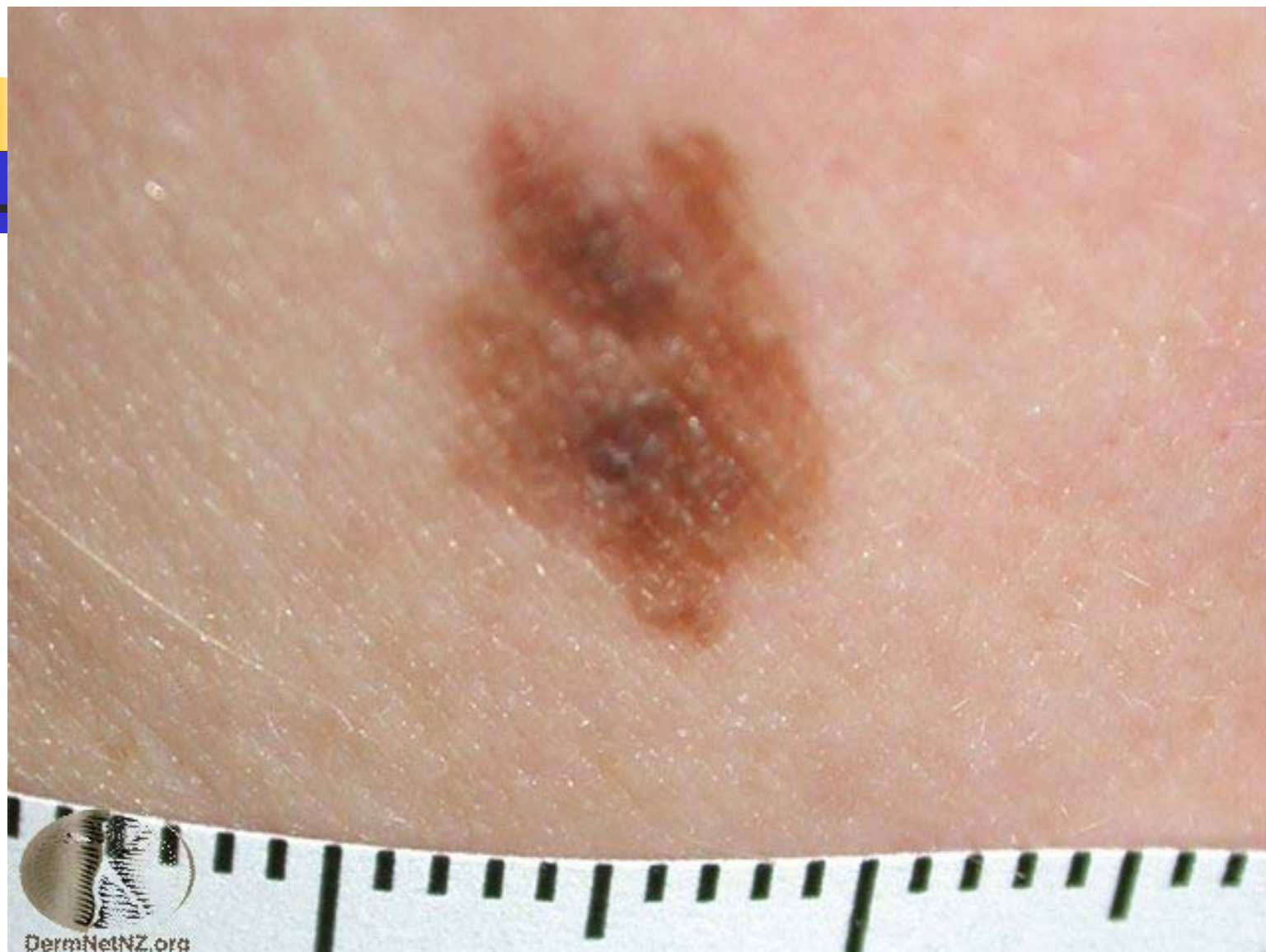


Diameter:  
 $\frac{1}{4}$  inch or  
6mm

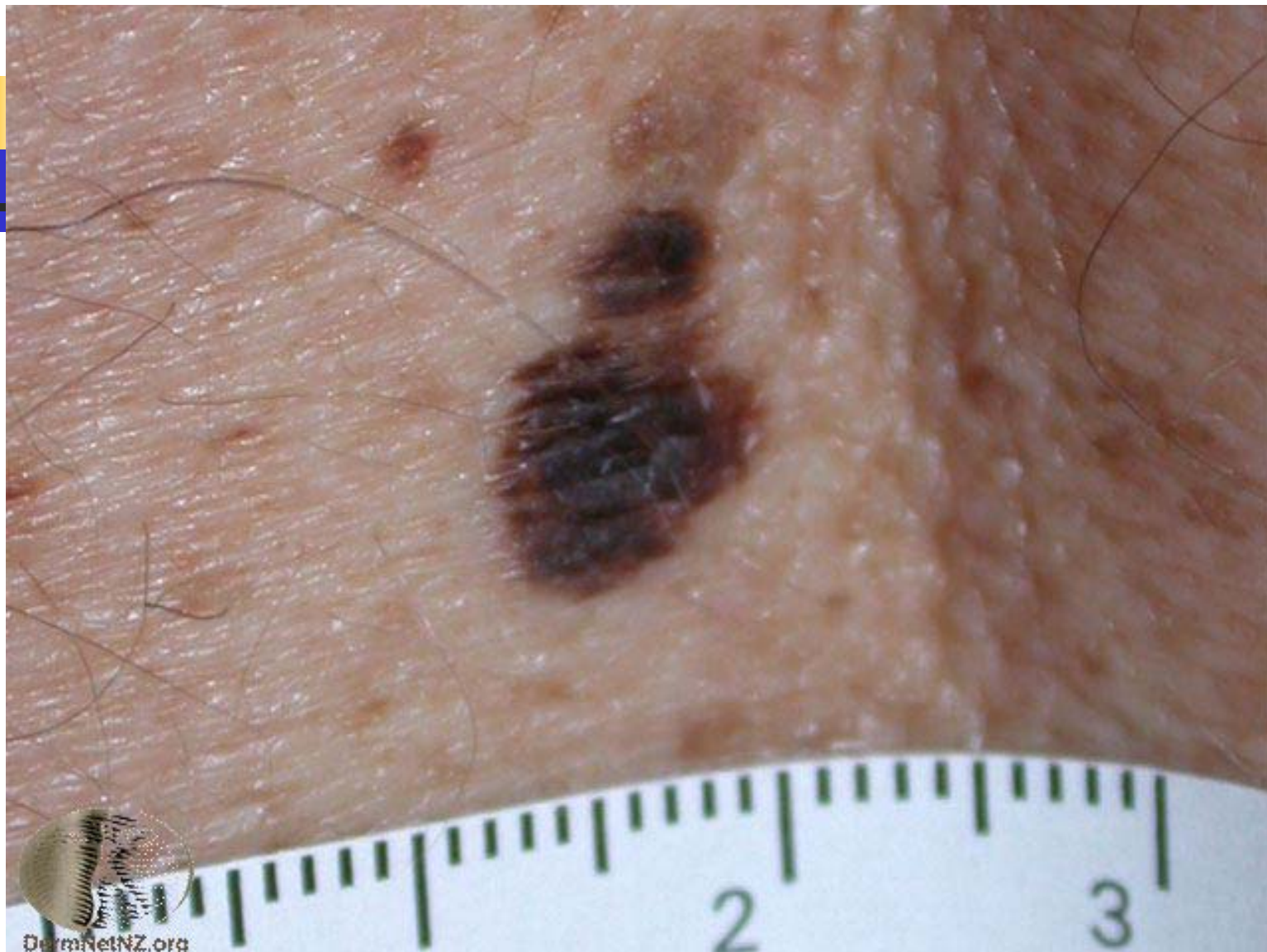














DermNetNZ.org









# Atypical/Dysplastic Nevi

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- DN differ from common nevi in the following ways
  - Variegated color
  - A macular component
  - Size variation from 5 to 12 mm
  - Histologic features





# Special Nevi

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- Clark nevus
- Congenital nevus
- Spitz nevus
- Blue nevus
- Halo nevus

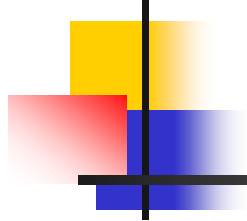
# Congenital Nevus

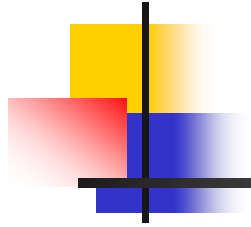


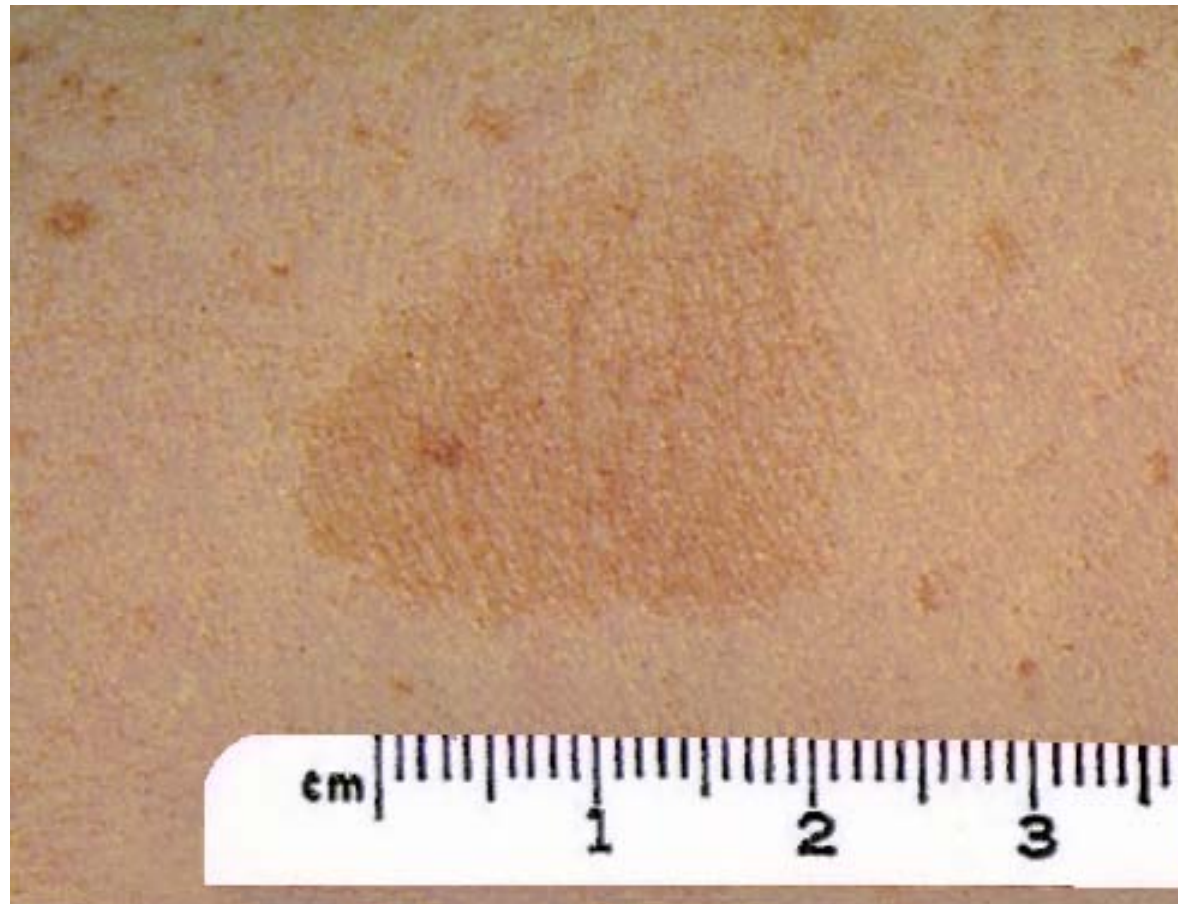
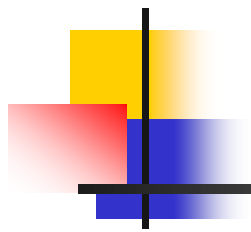






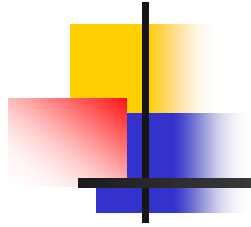




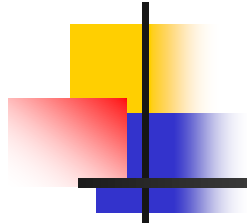


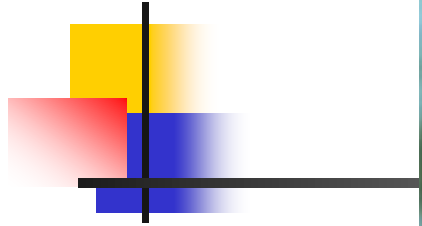




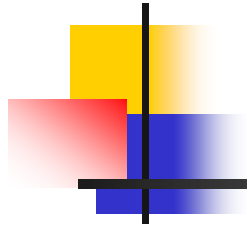










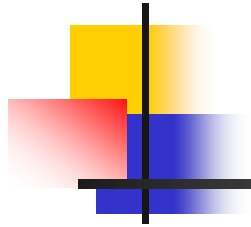


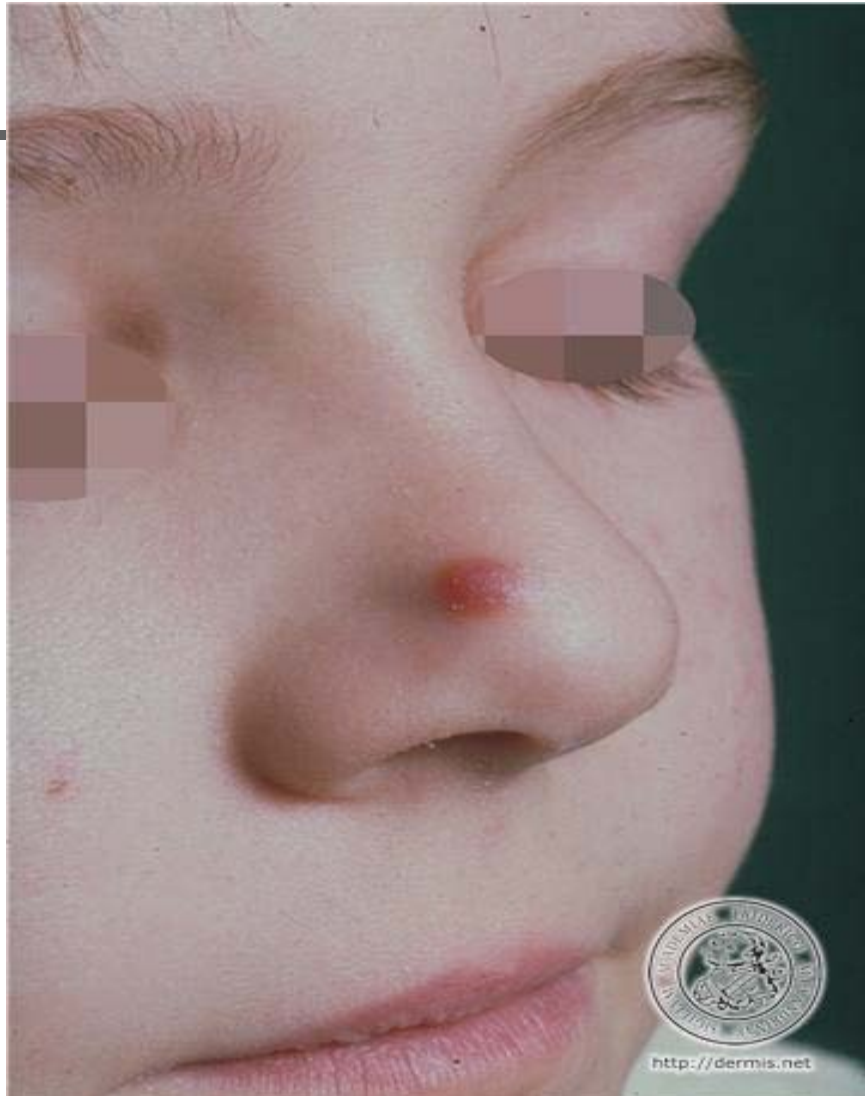
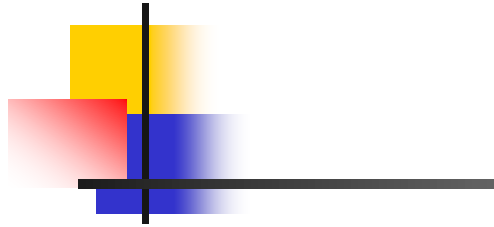


# Spitz Nevus

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- Appear as a pink, raised, round, smooth-surfaced papule. Some lesions are pigmented.
- Most frequently appear in the 1st two decades of life. However 1/3rd can occur in adults.
- Histologic overlap with melanoma











# Blue Nevus

The blue nevus is a slightly elevated, round, regular nevus, usually less than 0.5 cm, and contains large amounts of pigment located in the dermis

The color is steely blue

The brown pigment absorbs the longer wavelengths of light and scatters blue light (Tyndall effect).



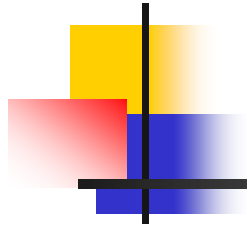


# Halo Nevus

- Pigmented nevus with a surrounding depigmented zone
- Can be multiple and occur on the trunk of teenagers
- Regressing melanomas may have associated leukoderma.









# Lexicon of Moles

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- Junctional, compound, and intradermal nevi
- Special nevi
  - Dysplastic, Atypical or Clark's nevus
  - Congenital nevus
  - Spitz nevus
  - Blue nevus
  - Halo nevus

