

Dermal Accessory Structures

Produced for the CRC for Premium Quality Wool undergraduate program by; Dr. Janelle Hocking Edwards, The University of Western Australia.



Vasculature of the skin

Fibres Epidermis Sub-epidermal net (capillaries & venules) Mid dermal vessels Dermis-**Dermal network** Cutaneous muscle Fascial vessels

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for

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Quality

255

Wool

Janelle Hocking Edwards Source: adapted from Maddocks and Jackson (1988)



Blood vessels in sheep skin

Blood vessels are mainly distributed vertically through the skin around and between follicles

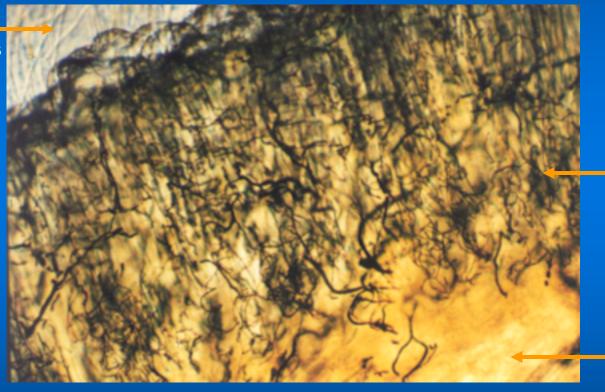
External ____ CRC Wool Fibres

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Blood Vessels

Hypodermis



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Innervation

- Sensory nerves
 - specialised receptors
 - at epidermal-dermal junction
 - around hair
 - Schwann cell-axonal units
- Motor nerves
 - follow blood vessels
 - vasomotor control
 - pilomotor function
 - sweat secretion

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Nerves of the skin

