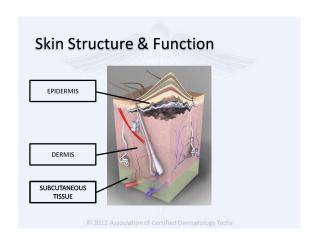
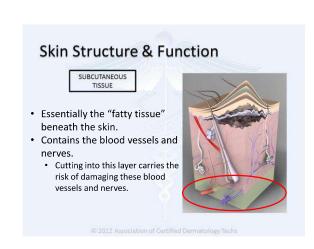
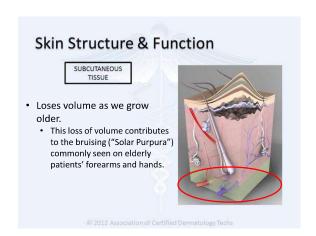
Skin Structure & Function

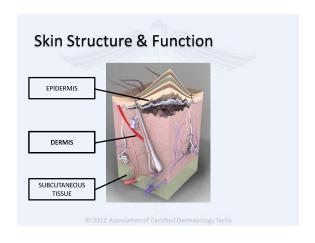


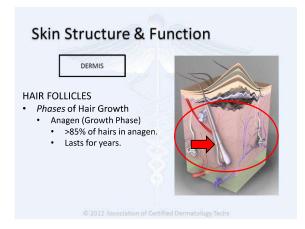




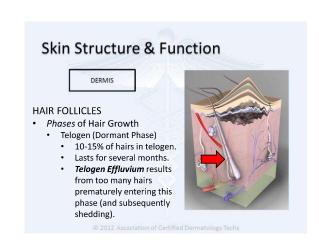


Sensory nerves damaged during deep excision into the subcutaneous tissue *can* regenerate. Provided damage isn't severe and regeneration is possible, nerves heal at a rate of about 1 mm/day.











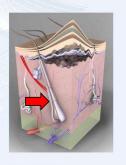


Skin Structure & Function

DERMIS

HAIR FOLLICLES

- Types of Hair Growth
 - Terminal Hair
 - Long, thick, dark hair (e.g., scalp, pubic, axillary regions).
 - Vellus Hair
 - · Very fine, light-colored hair.
 - Think "peach fuzz".



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Did You Know...

On average, we normally shed about 100 hairs/day.

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Skin Structure & Function

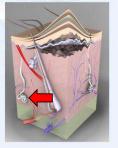
DERMIS

SWEAT GLANDS

- Apocrine Glands
 - Found primarily within the axillary, genital, and anal regions of the body.
 - Most associated with body odor.
 - Their true function remains a mystery.
 - mystery.

 "Hidradenitis" causes chronic inflammation of these glands

inflammation of these glands.

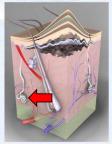


Skin Structure & Function

DERMIS

SWEAT GLANDS

- · Eccrine Glands
 - Found throughout virtually all skin surfaces.
 - Essentially odorless.
 - Primary function is to help regulate body temperature.



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Did You Know...

What we perceive as body odor is the result of bacteria interacting with sweat and epidermal skin cells. Most perspiration is not inherently odorous. Instead, it simply serves as a catalyst for the bacterial interaction which causes the body odor.

The clinical diagnosis of body odor is *Bromhidrosis*.

Controlling the catalyst (perspiration) through the use of antiperspirants can help. However, so can antibiotics. It's not uncommon for dermatologists to prescribe topical products such as Clindamycin Lotion to help control excessive body odor.

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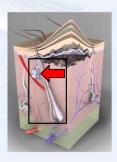
Skin Structure & Function

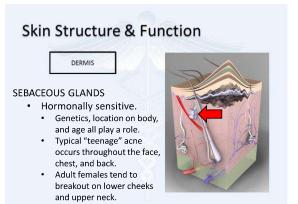
DERMIS

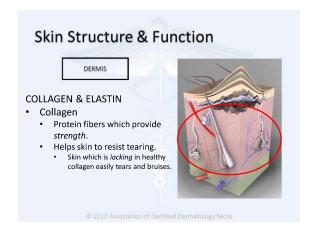
SEBACEOUS GLANDS

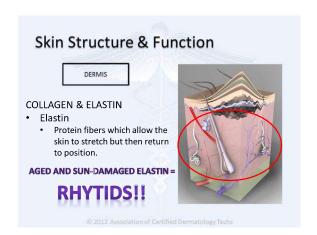
- The "oil" glands.
- Produce "sebum".
- Connected to the hair follicles.
 - Together, referred to as the "pilosebaceous unit".
 - Because of this connection, hair follicle inflammation and acne look very similar.

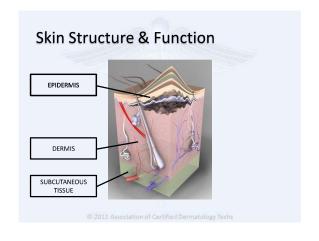
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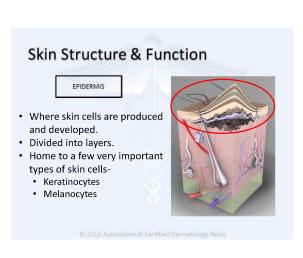


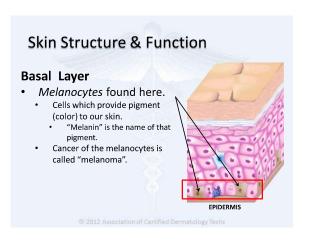


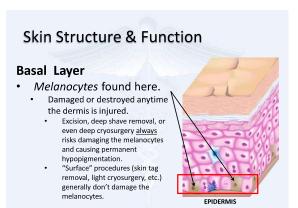


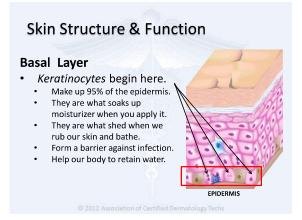


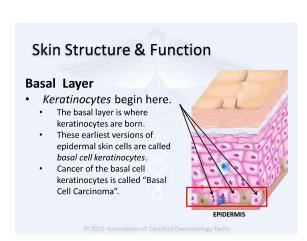


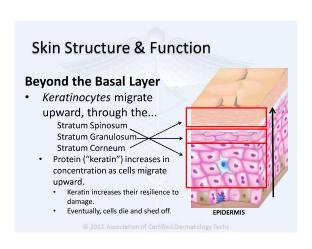


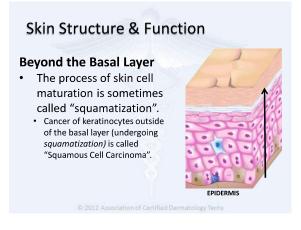














Did You Know...

Because it doesn't "turn over" like the epidermis, any pigment which makes its way to the dermis will be permanent. Tattoos are the most obvious example, but even longstanding Melasma, in which excess melanin has "leaked" into the upper dermis, can cause permanent (and unwanted) discoloration.

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Did You Know...

Since Basal Cell Carcinomas (BCC) are comprised of cells which haven't undergone significant keratinization, they usually (but not always) tend to appear more fragile and prone to bleeding.

Since Squamous Cell Carcinomas (SCC) are comprised of cells undergoing "squamatization", they usually (but not always) tend to have a tougher, scalier appearance.

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Skin Structure & Function

CONCLUSION

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