

# SKIN ANATOMY & INTEGUMENTARY SYSTEM

Study Reference: Vol. 1.0

*[Anatomical Cross-Section Illustration]*

Epidermis

Dermis

Hypodermis

## EPIDERMAL LAYERS (SUPERFICIAL TO DEEP)

- **Stratum Corneum:** Keratinized, dead cells.
- **Stratum Lucidum:** Found in thick skin only.
- **Stratum Granulosum:** Lamellar granules.
- **Stratum Spinosum:** Desmosome connections.
- **Stratum Basale:** Mitotic stem cells.

## DERMAL COMPONENTS

- **Papillary Layer:** Areolar connective tissue.
- **Reticular Layer:** Dense irregular tissue.
- **Meissner's Corpuscles:** Light touch receptors.
- **Pacinian Corpuscles:** Deep pressure/vibration.
- **Arrectores Pili:** Smooth muscle fibers.

## CLINICAL OBSERVATIONS / PATHOLOGIES