Organ Systems

MEMBRANES OF THE HUMAN BODY
• SEROUS
• MUCOUS
• SYNOVIAL
• CUTANEOUS

Serous Membranes

Mucous Membranes
Synovial Membranes

CUTANEOUS MEMBRANES
INTEGUMENTARY SYSTEM
KEEPS THE INSIDE IN AND THE OUTSIDE OUT...

FUNCTIONS
Structure of Skin

- **Epidermis**
- **Dermis**
- **Subcutaneous layer**

**Dermis**

- **Composition**
  - irregular dense connective tissue
  - with collagen and elastin
  - gel-like ground substance
- **Binds the epidermis to the underlying tissues**
- **Irregular boundary**
  - Epidermal ridges (from epidermis)
  - project into the dermis
  - dermal papillae (from dermis)
  - on palmer fingertips, form fingerprints
Sweat Glands

PATHOLOGIES

DERMATITIS

RICKETS

CANCERS