

SUBCUTANEOUS
(HYPODERMIS)

HAIR FOLLICLE

SUBCUTANEOUS TISSUE

PROVIDES FOR MOST OF THE BODY'S
FAT STORAGE. PARTICIPATES IN
THERMOREGULATION




ANDROGENS
"TESTOSTERONE"

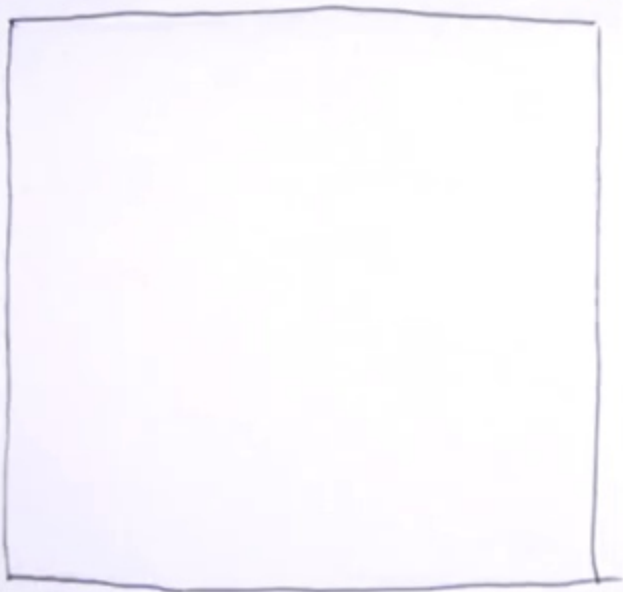
SEBACEOUS GLAND ⊕

FOUND ALL OVER THE BODY EXCEPT
PALM AND SOLE. SECRETES SEBUM
SEBUM LUBRICATES HAIR, WATER
PROOF SKIN, DEFENSE AGAINST
PATHOGENS.

COMMENSAL PATHOGEN OF HAIR
FOLLICLE AND SEBACEOUS GLANDS

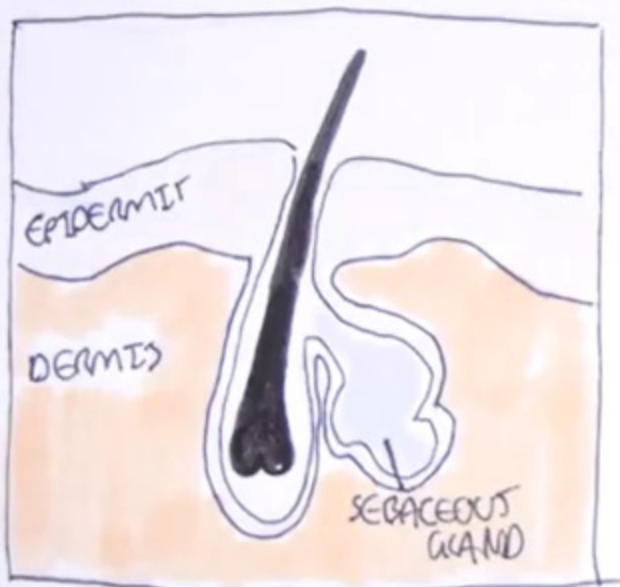
 PROPIONIBACTERIUM
"GRAM POSITIVE"

ACNE PATHOPHYSIOLOGY

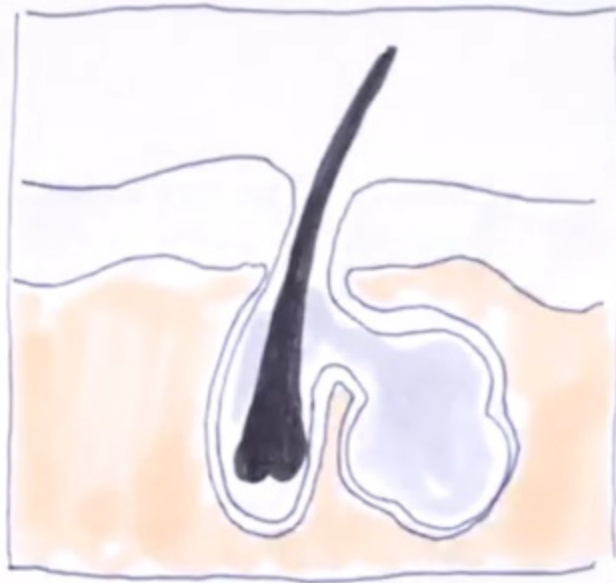




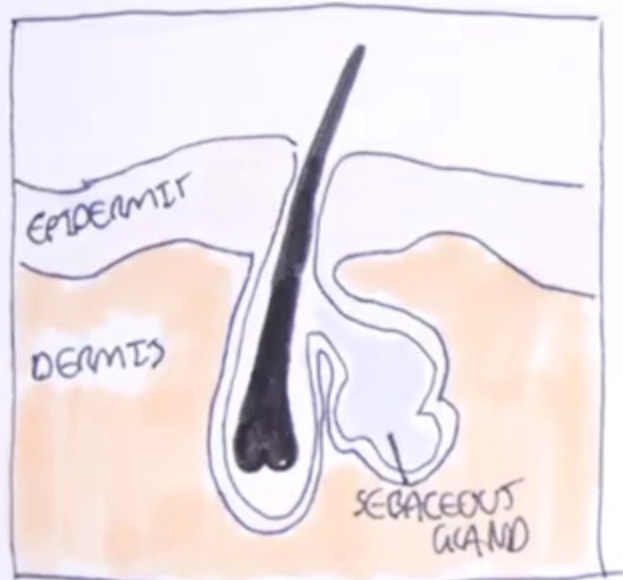
ACNE PATHOPHYSIOLOGY - NON INFLAMMATORY, INFLAMMATORY LESIONS



NORMAL



ACNE PATHOPHYSIOLOGY - NON INFLAMMATORY, INFLAMMATORY LESIONS



NORMAL



HYPERTROPHY OF SEBACEOUS GLAND
OVER PRODUCTION OF SEBUM

ANDROGEN



OVER PRODUCTION OF SEBUM

PHYSIOLOGY - NON INFLAMMATORY, INFLAMMATORY LESIONS

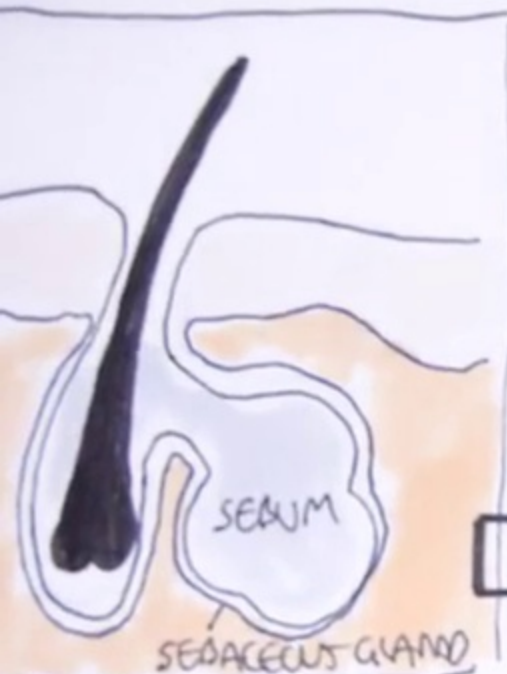


ANDROGEN

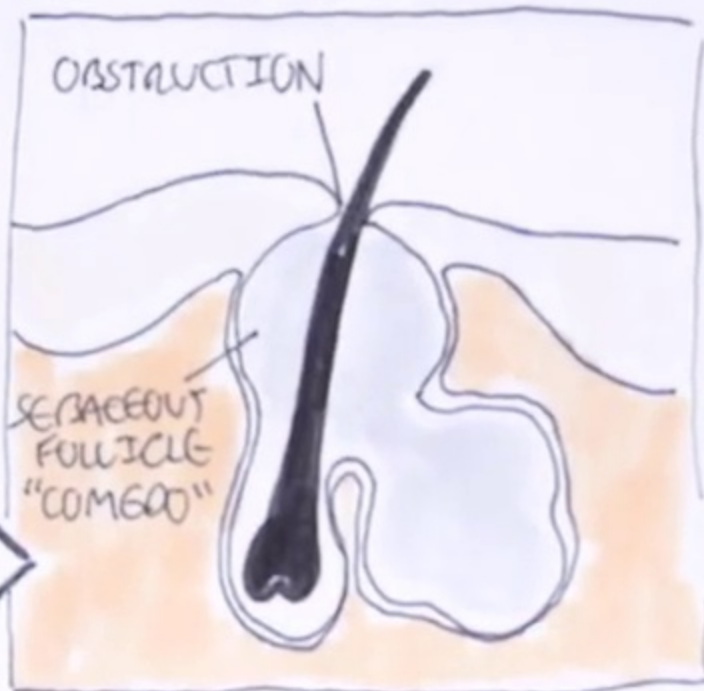
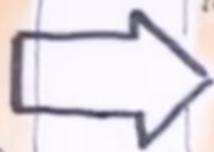
HYPERTROPHY OF SEBACEOUS GLAND
OVER PRODUCTION OF SEBUM

HYPERKERATINIZATION →
OBSTRUCTION

INFLAMMATORY / INFLAMMATORY LESION



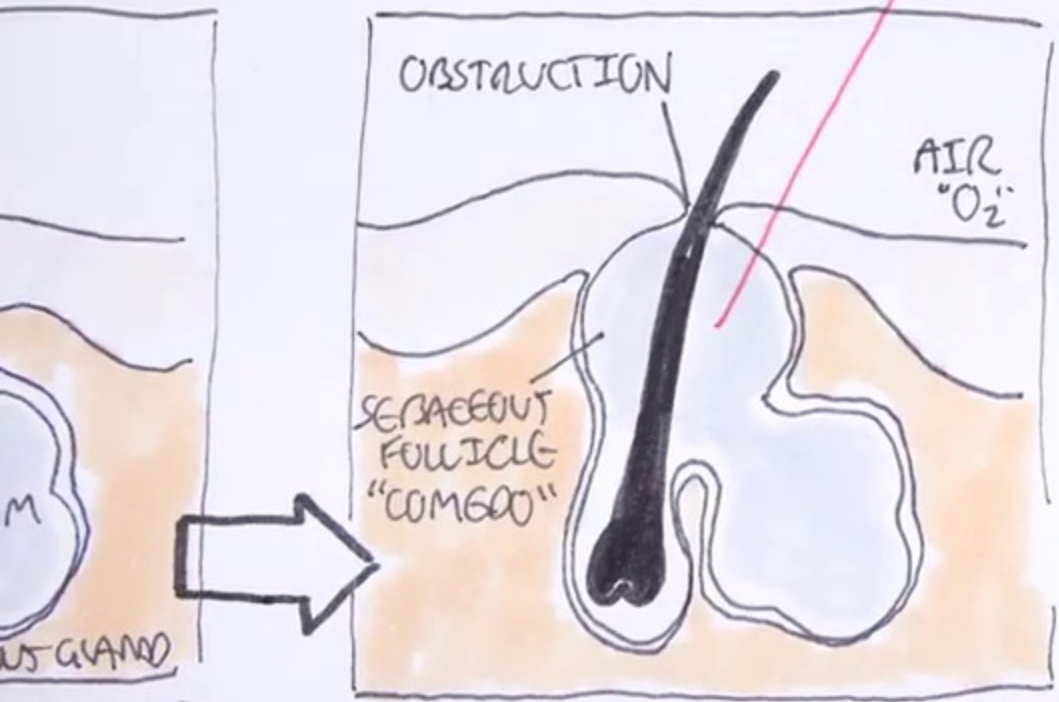
HYPERPLASIA OF SEBACEOUS GLAND
OVERPRODUCTION OF SEBUM



HYPERKERATINIZATION →
OBSTRUCTION OF SEBACEOUS
FOLLICLE → COMEDO FORMS

OR/, INFLAMMATORY LESIONS

COMEDO



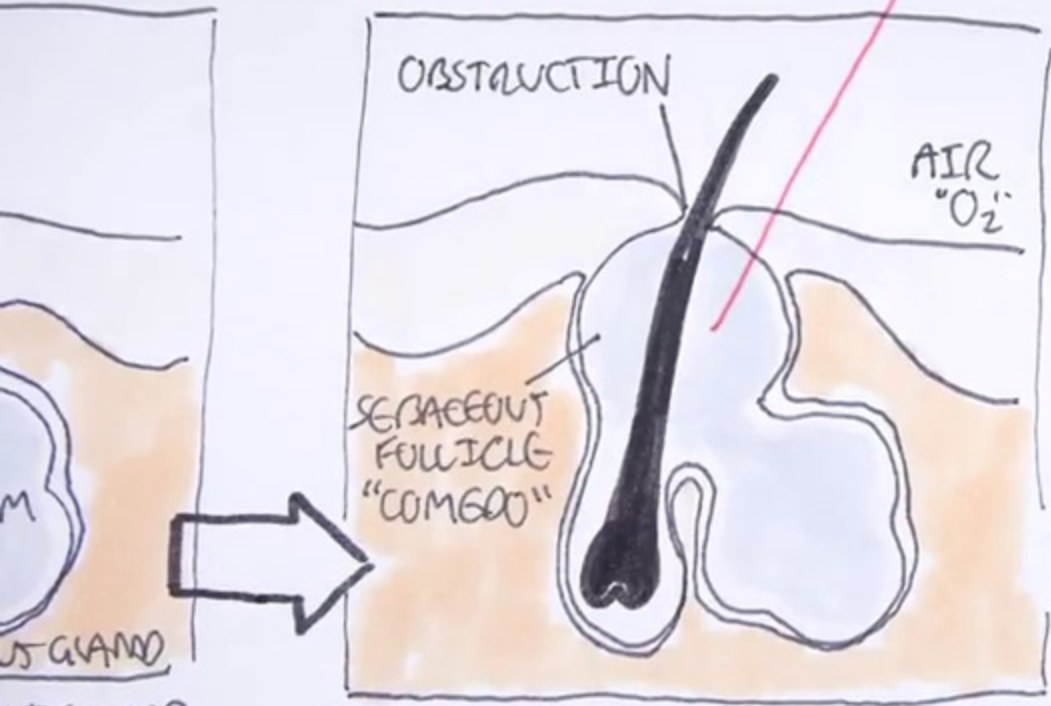
GLAND

GLAND

EPIDERMAL KERATINIZATION

ACNE INFLAMMATORY LESIONS

- OPEN COMEDONE
→ BLACK HEAD
- CLOSED COMEDONE
→ WHITE HEAD



HYPERKERATINIZATION

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