

DR SAJJAD KHAN

MEDCARE HOSPITAL

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DIPLOMAT AMERICAN BOARD OF HAIR RESTORATIVE SURGERY

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DIPLOMAT INTERNATIONAL BOARD OF HAIR RESTORATIVE SURGERY

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COAUTHOR OF THREE TEXT BOOKS

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FORMERLY VISITING PROFESSOR OF UCLA

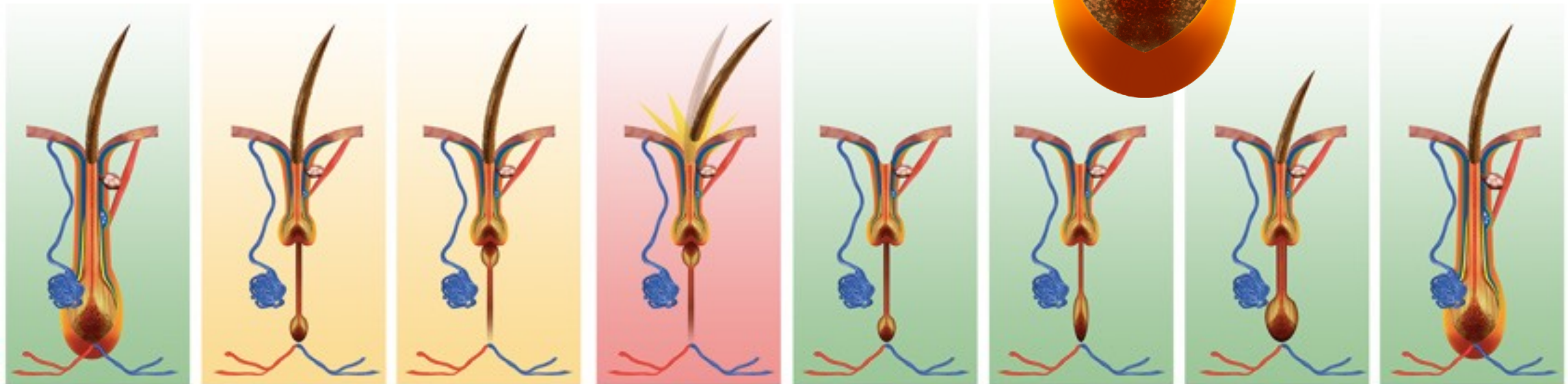
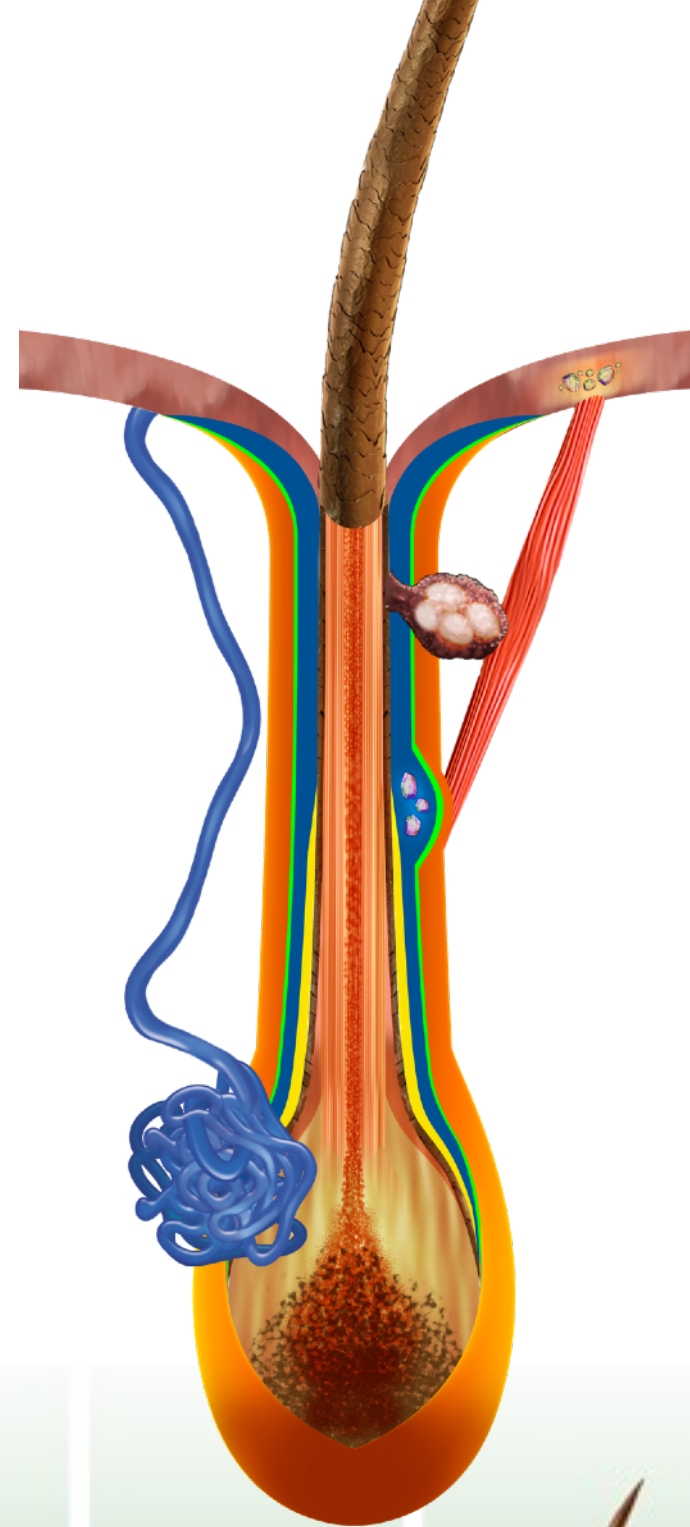
AWARENESS IS KEY

Prevention begins with awareness.

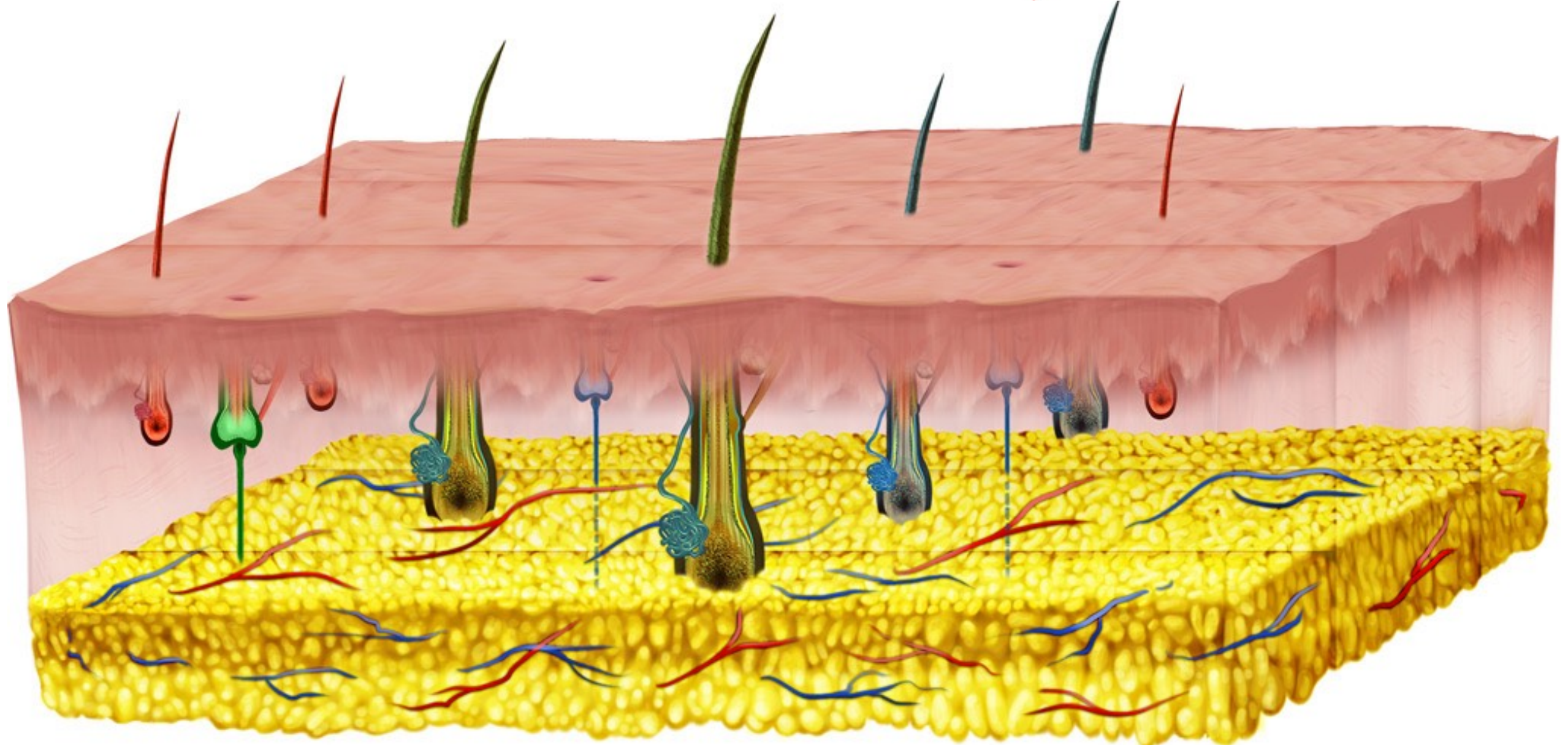
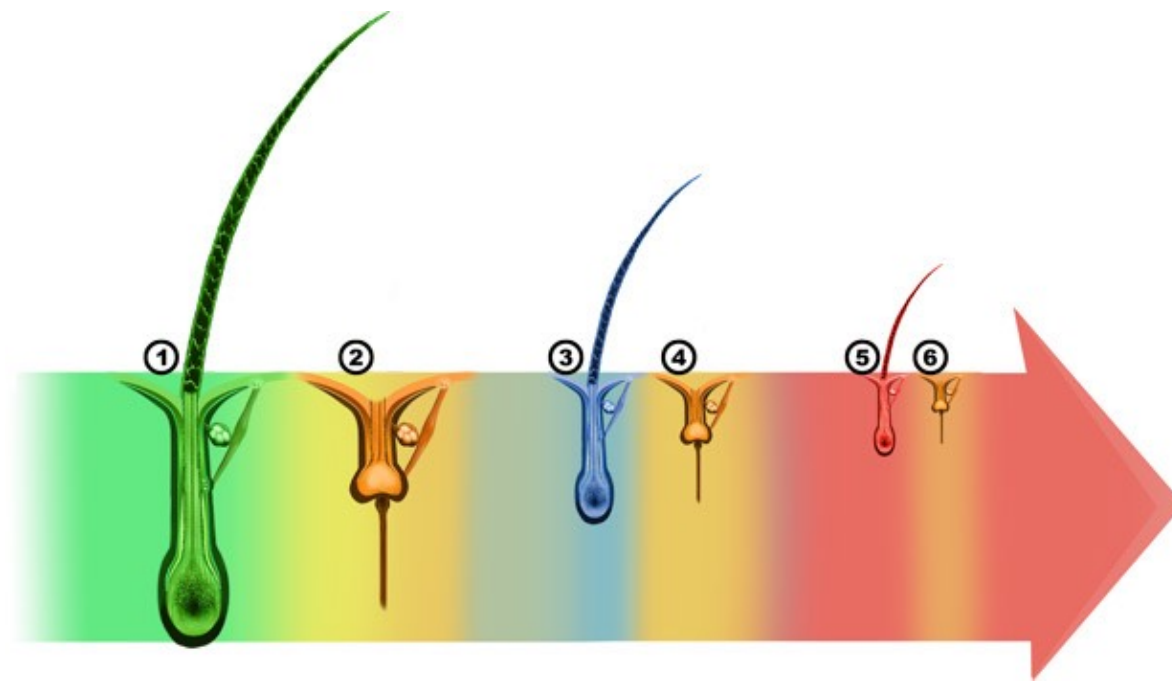
The medical field has grown exponentially from screening of genetic diseases to medication determined by unique genetic profile.

Advances in technology increase longevity. Longevity allows us to enjoy the things we love for a greater amount of time.

NORMAL HAIR PATTERN



HAIR THINNING

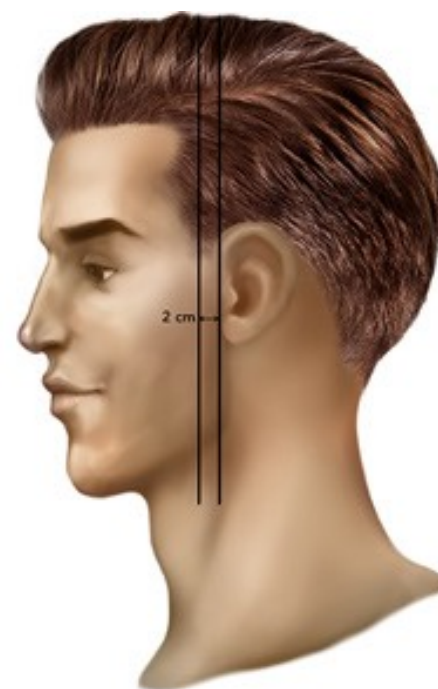


HAIR THINING

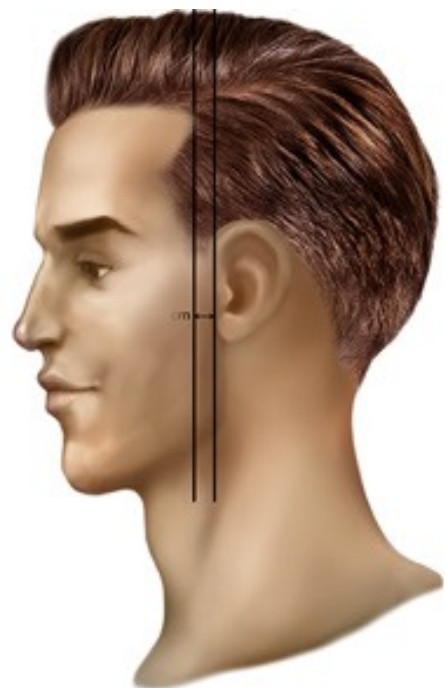
Complete baldness at younger ages takes an average of 5- 10 years



MEN'S HAIR LOSS CLASSIFICATION



I



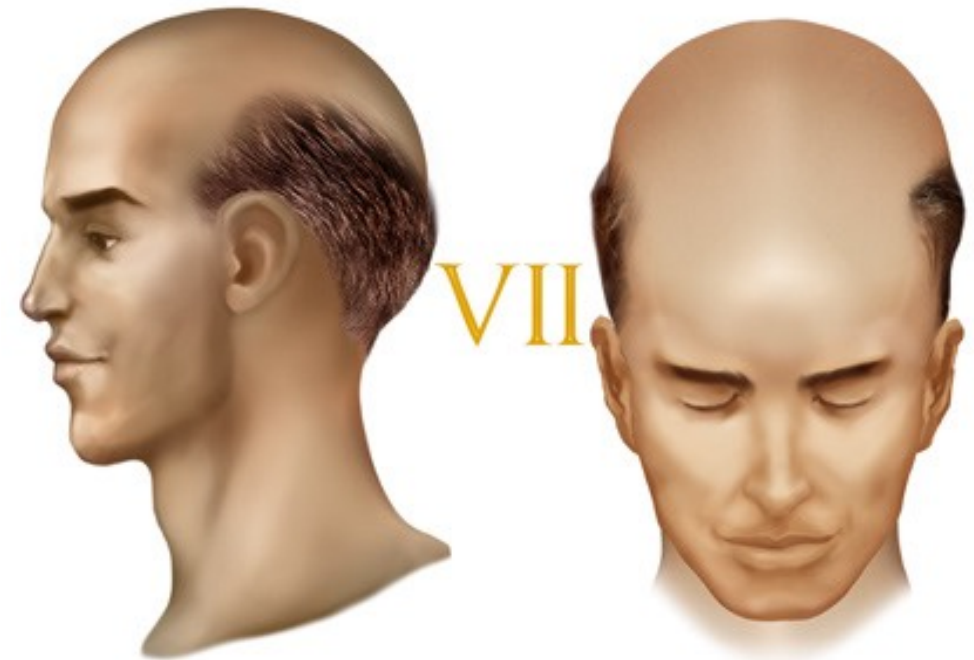
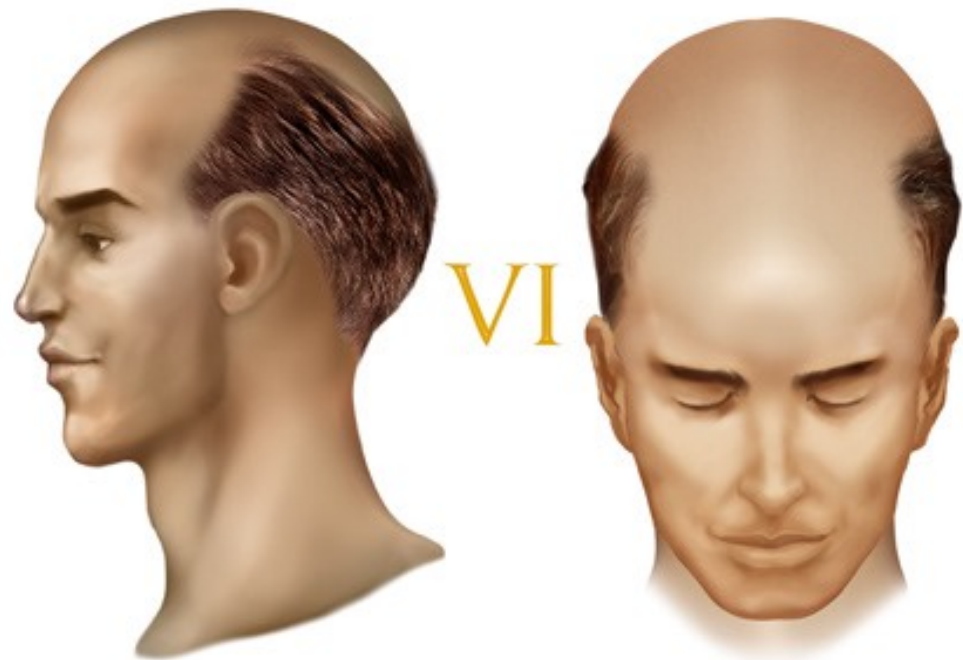
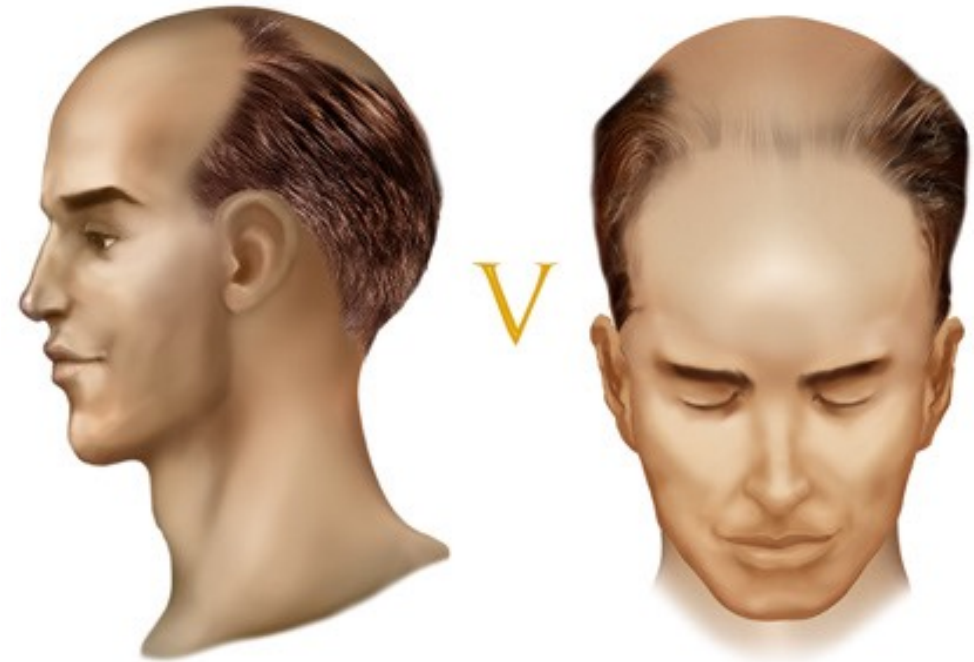
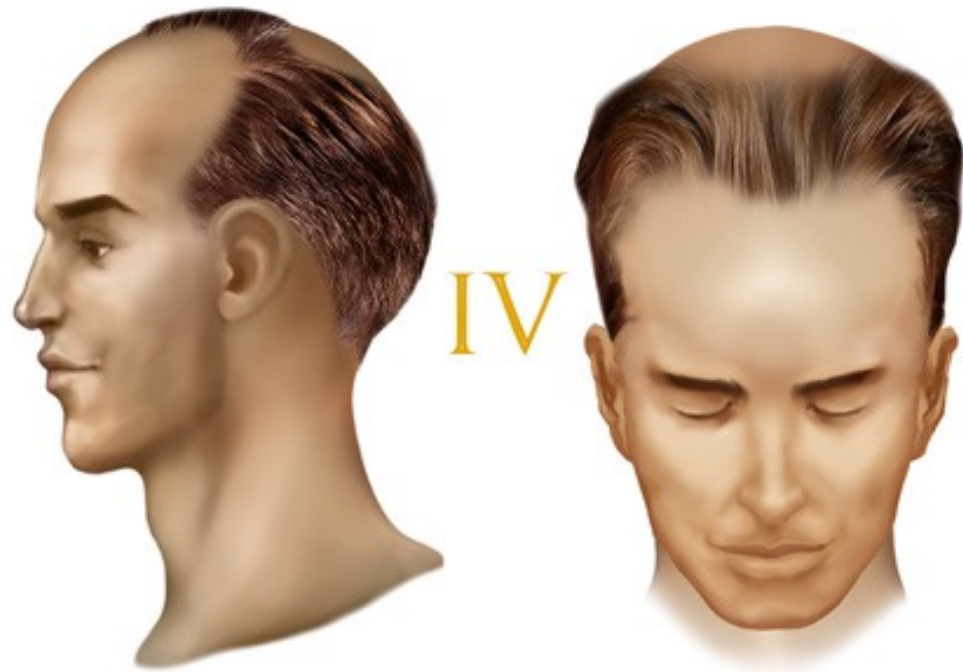
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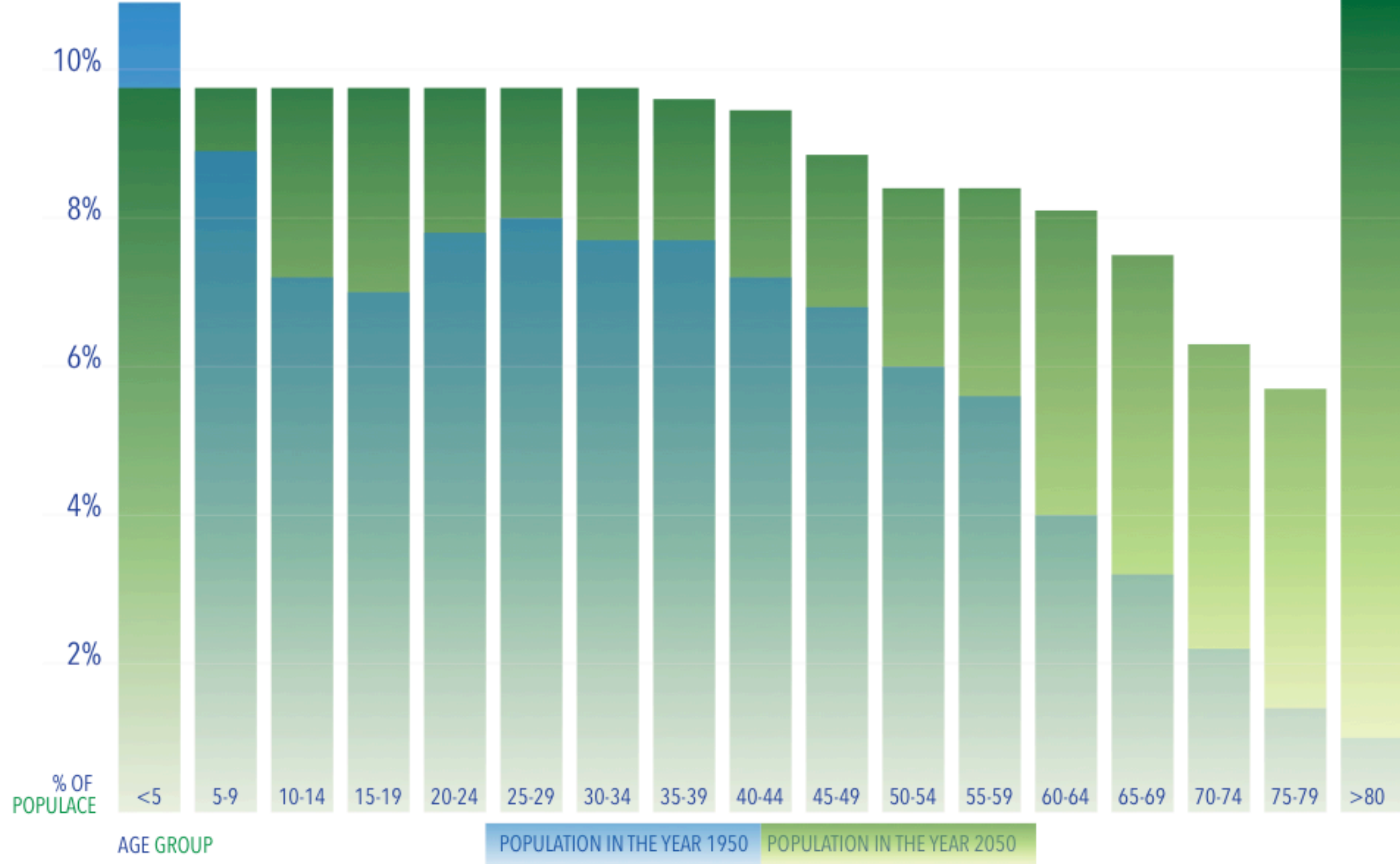
III



MEN'S HAIR LOSS CLASSIFICATION

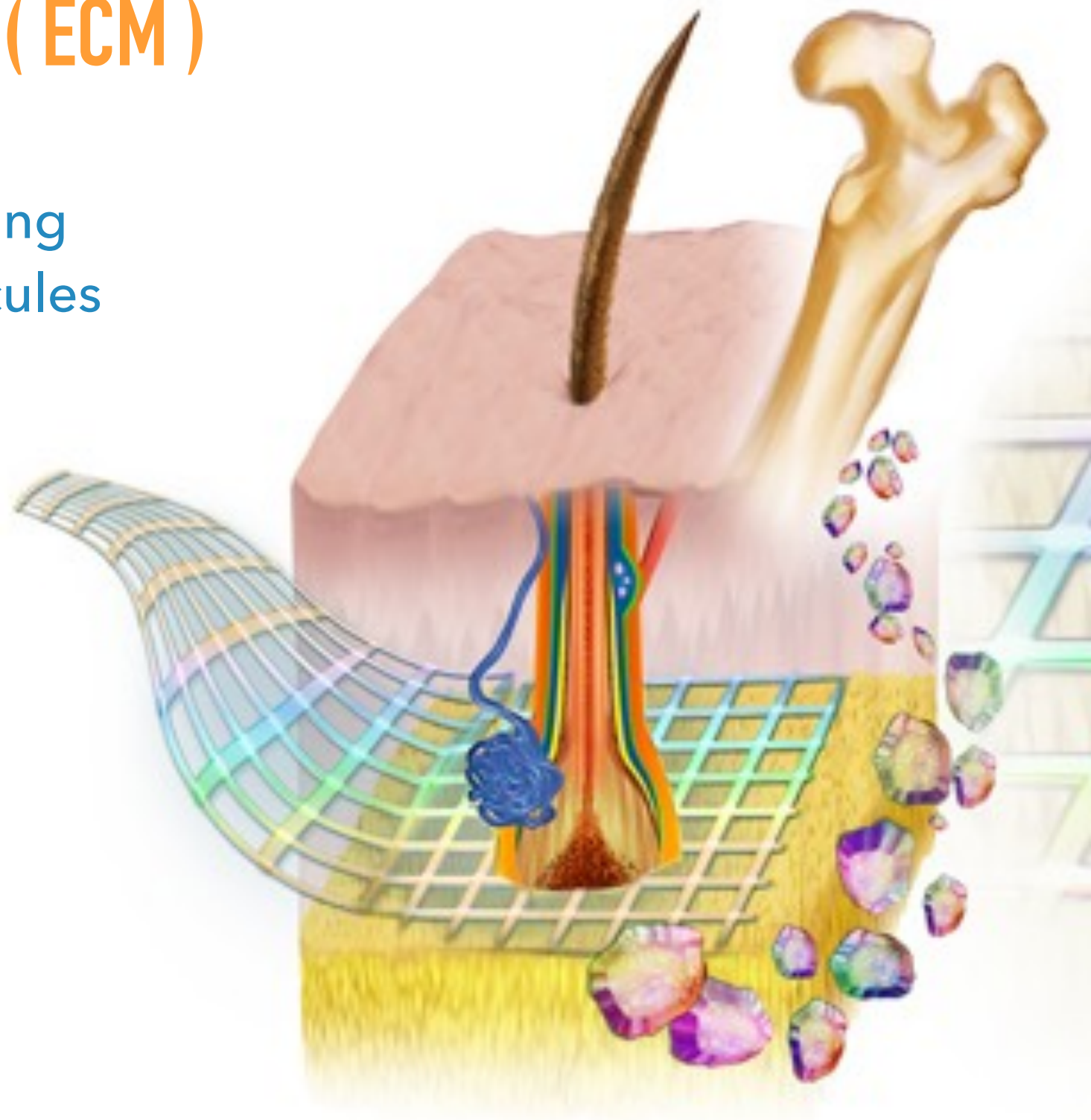


LONGEVITY GRAPH



THE REGENERATIVE MEDICINE (ECM)

ECM is a type of Structural Scaffolding composed of various protein molecules such as laminin, collagen and fibronectin, all woven together in a web-like geometry.



THE REGENERATIVE MEDICINE (ECM)

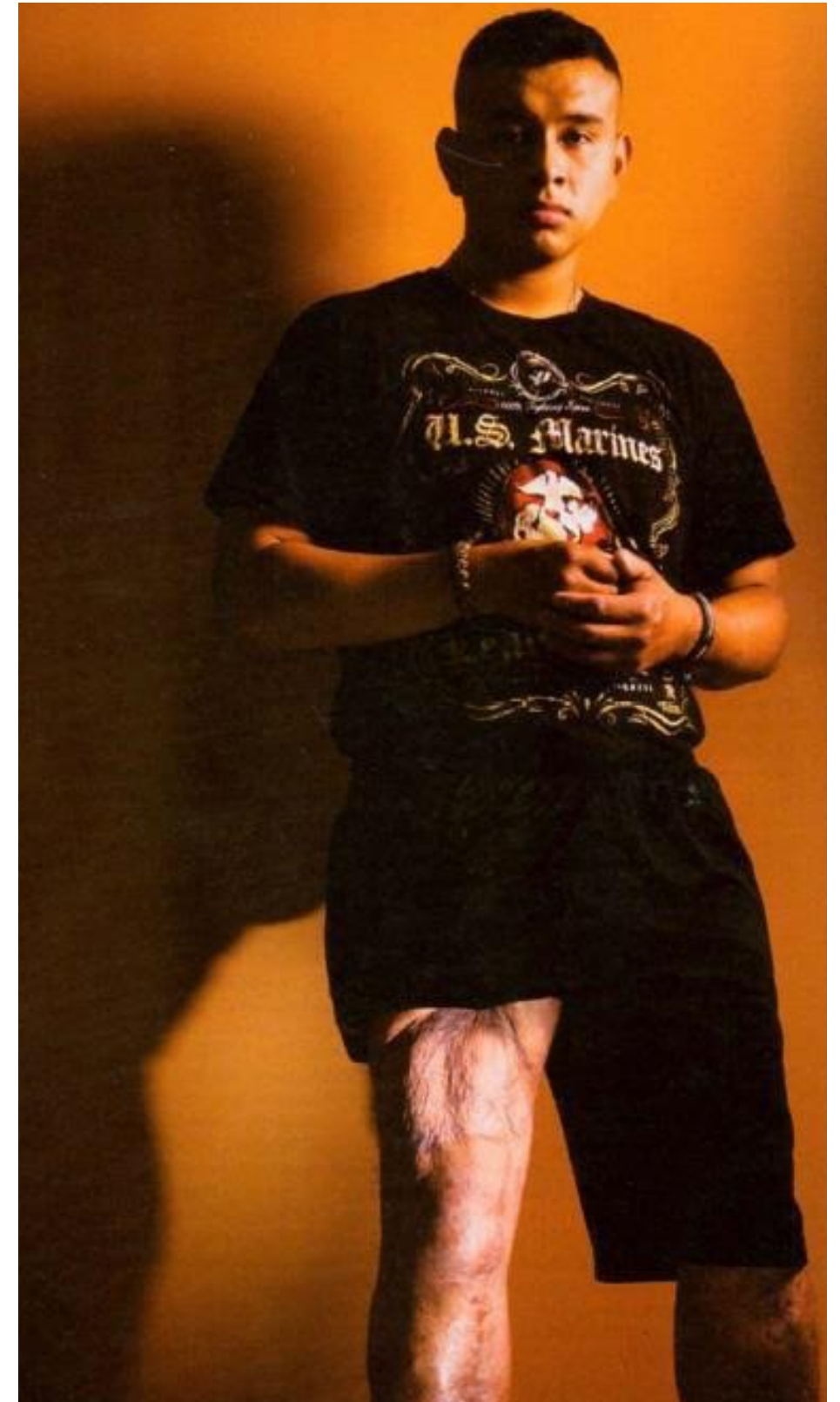
2011 Discovery Magazine article

“The Healing Power Within”

HERNANDEZ STORY:

Lost 70% quadriceps muscle tissue from injury in Iraqi war. Standard Muscle Flap surgery was not successful.

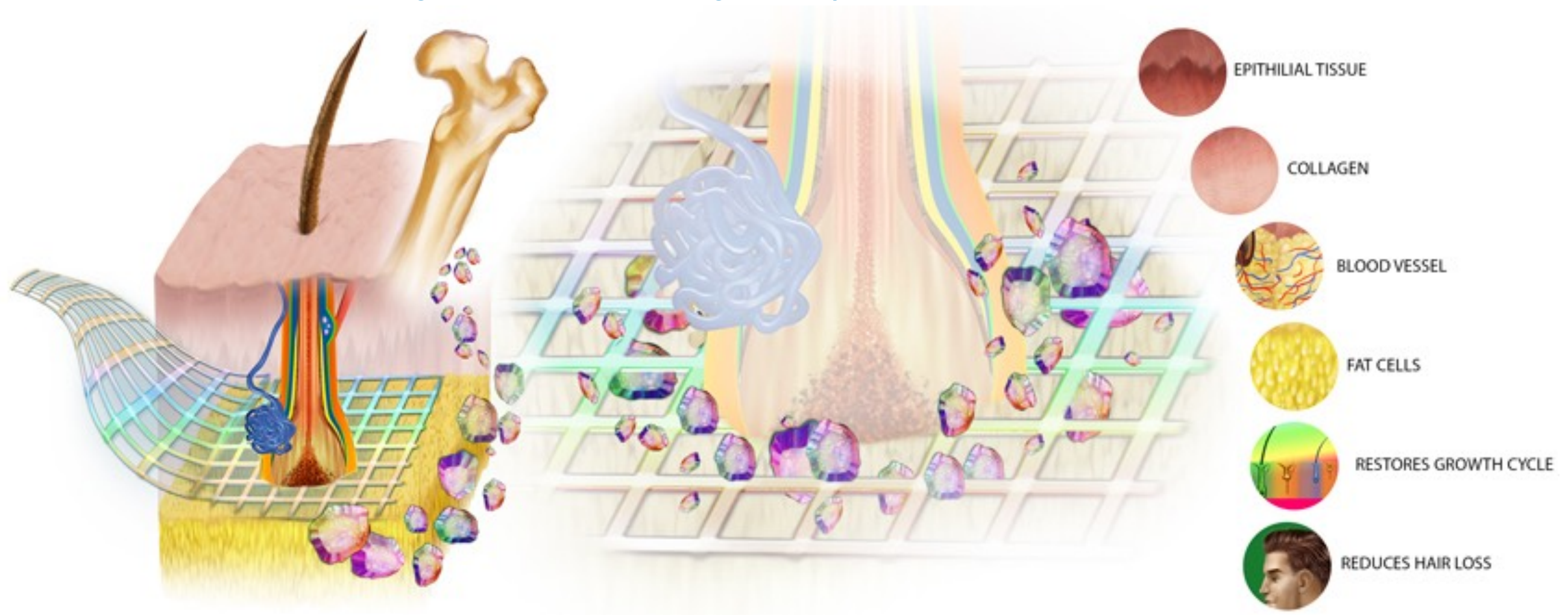
Dr. Wolf inserted ECM into Hernandez's thigh muscles and within 6 months, Hernandez regained 80% of his former muscle strength was able to walk again.



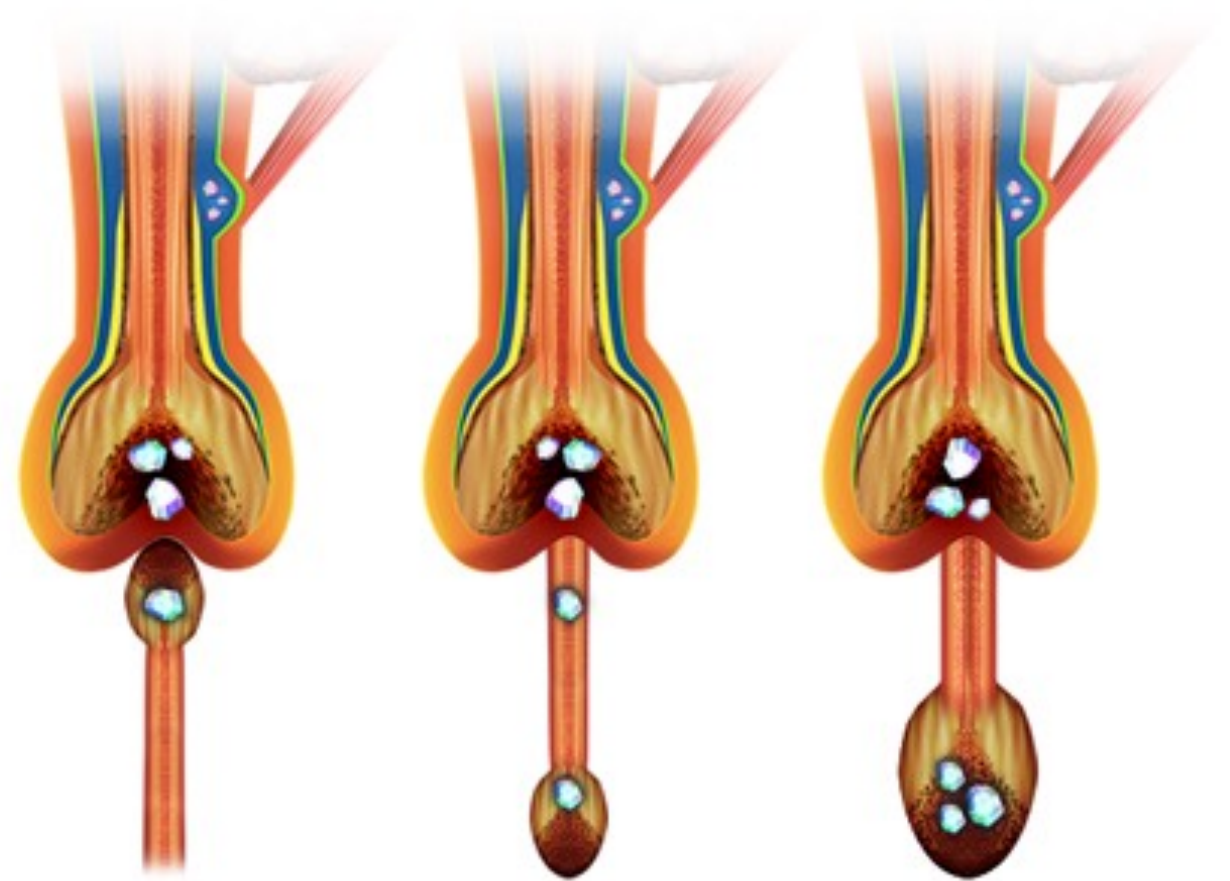
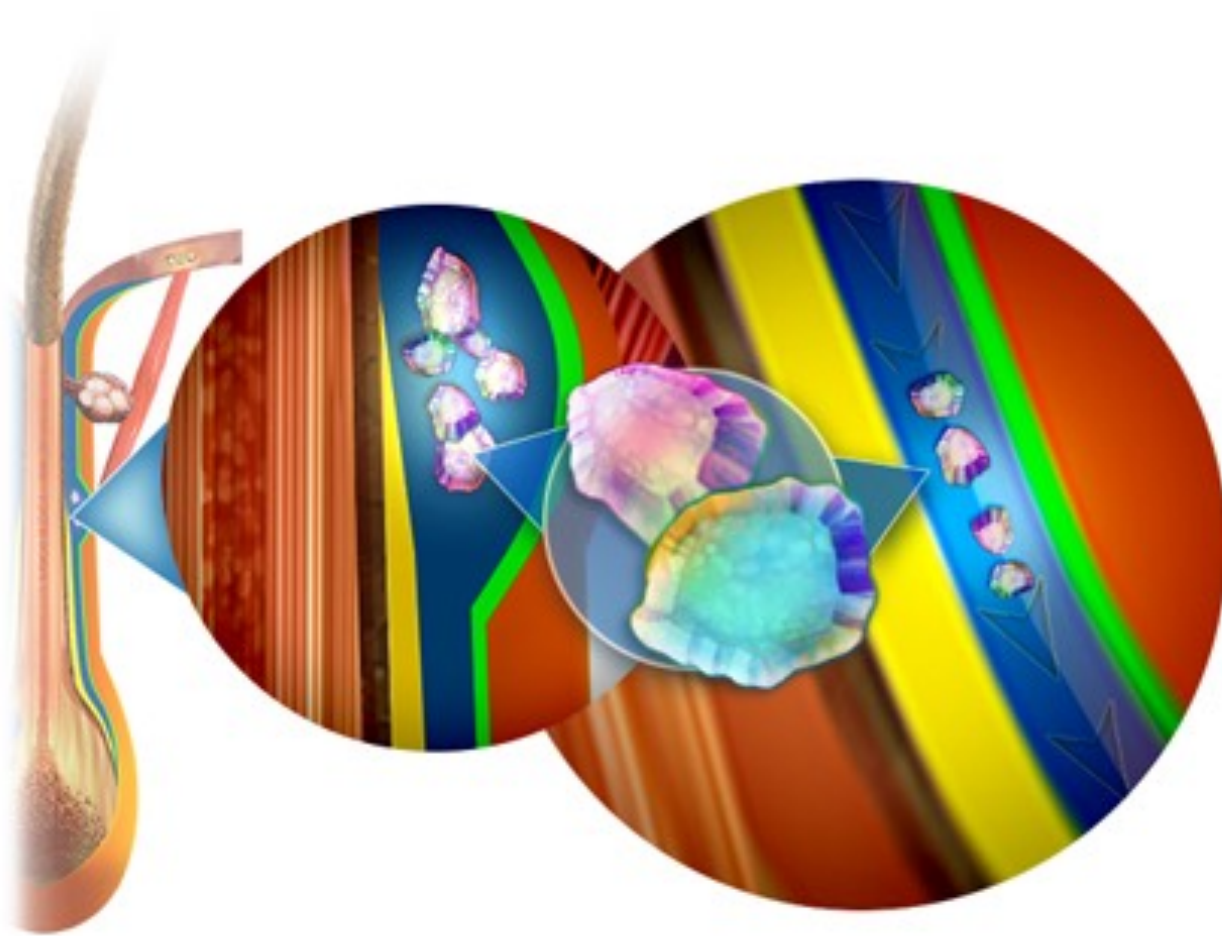
USE OF ECM IN HAIR LOSS AND HAIR TRANSPLANT SURGERY

How Acell Works

ECM is a type of Structural Scaffolding composed of various protein molecules such as laminin, collagen and fibronectin, all woven together in a web-like geometry.



STEM CELL MIGRATION



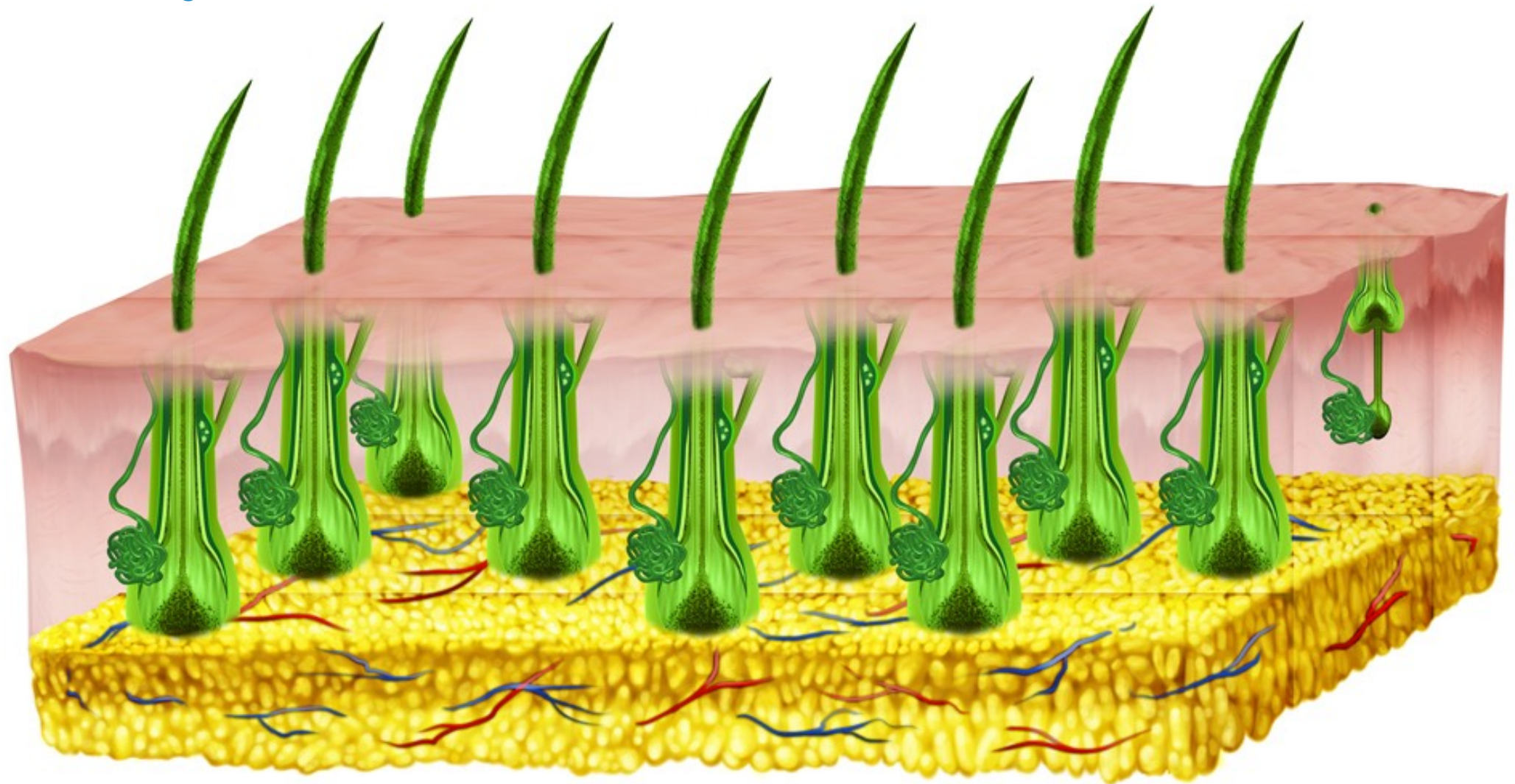
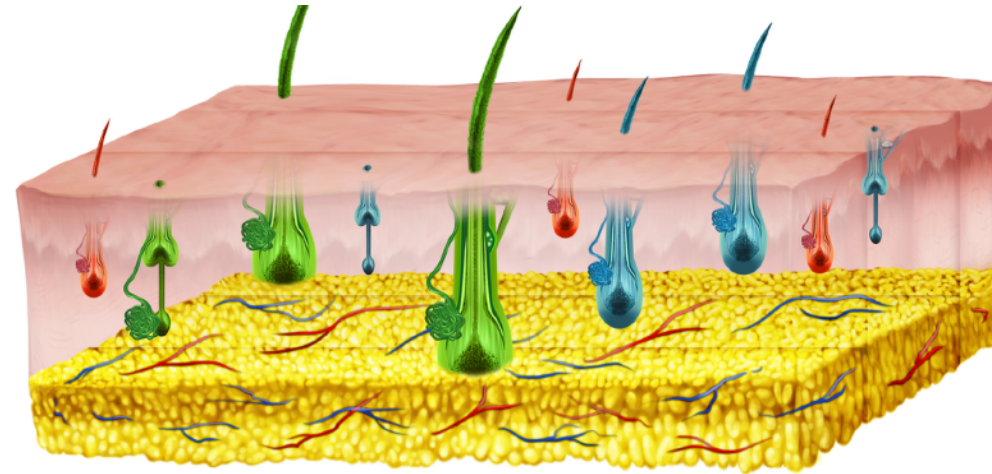
USE OF PRP & ECM FOR REVERSING THE FOLLICLE MINIATURIZATION

Blood is drawn from patient and centrifuged onsite

Platelets are isolated to create PRP

PRP, Acell Powder is mixed with saline solution

PRP & Acell are injected into the Thinning area



PRP GROWTH FACTORS THAT HELPS IN REVERSING FOLLICLE MINIATURIZATION

platelet-derived growth factor

transforming growth factor beta

fibroblast growth factor

insulin-like growth factor 1 & insulin-like growth factor 2

vascular endothelial growth factor

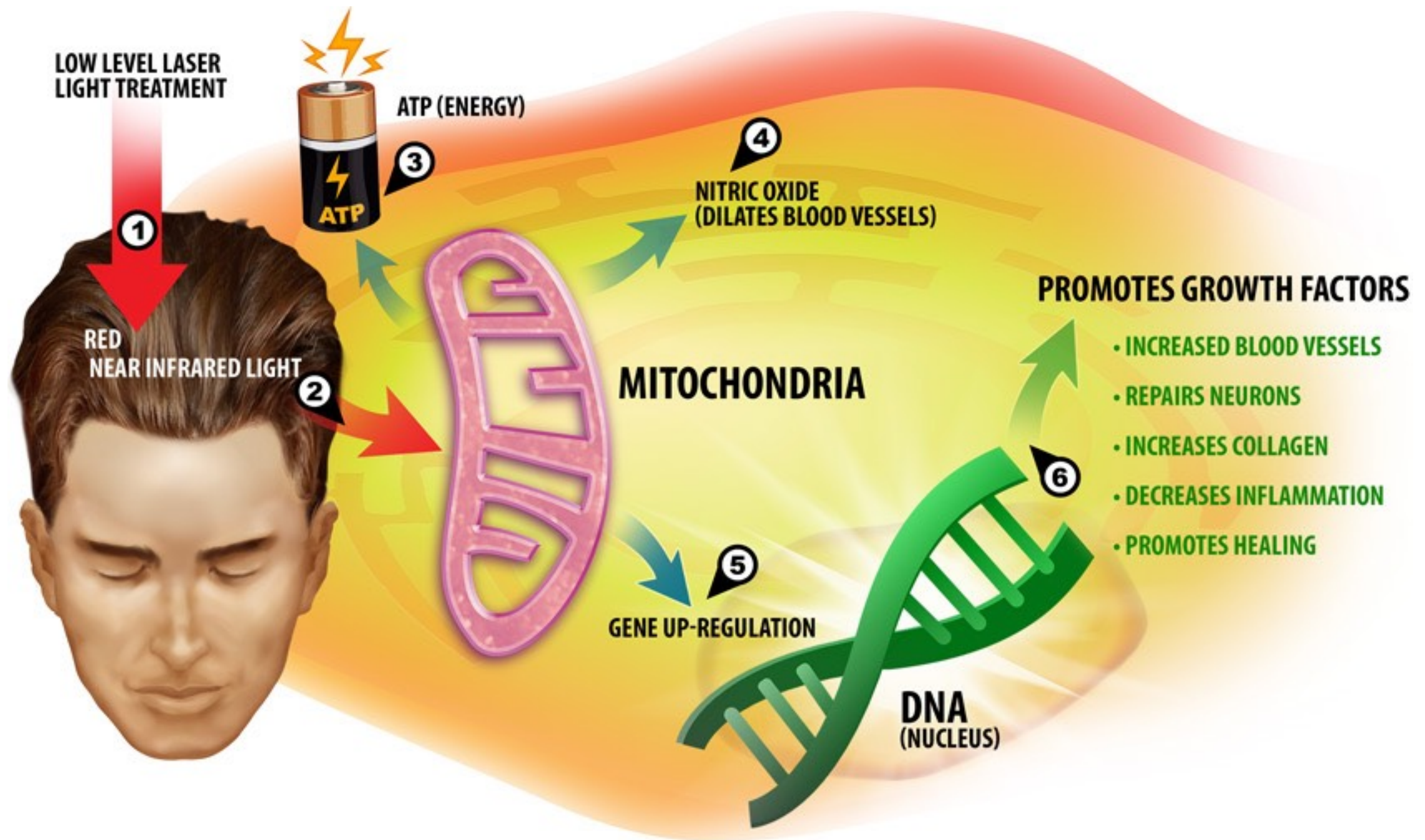
epidermal growth factor

Interleukin 8

keratinocyte growth factor & connective tissue growth factor

PRP also reverse the follicular Miniaturization through Biological Scaffolding Mechanism

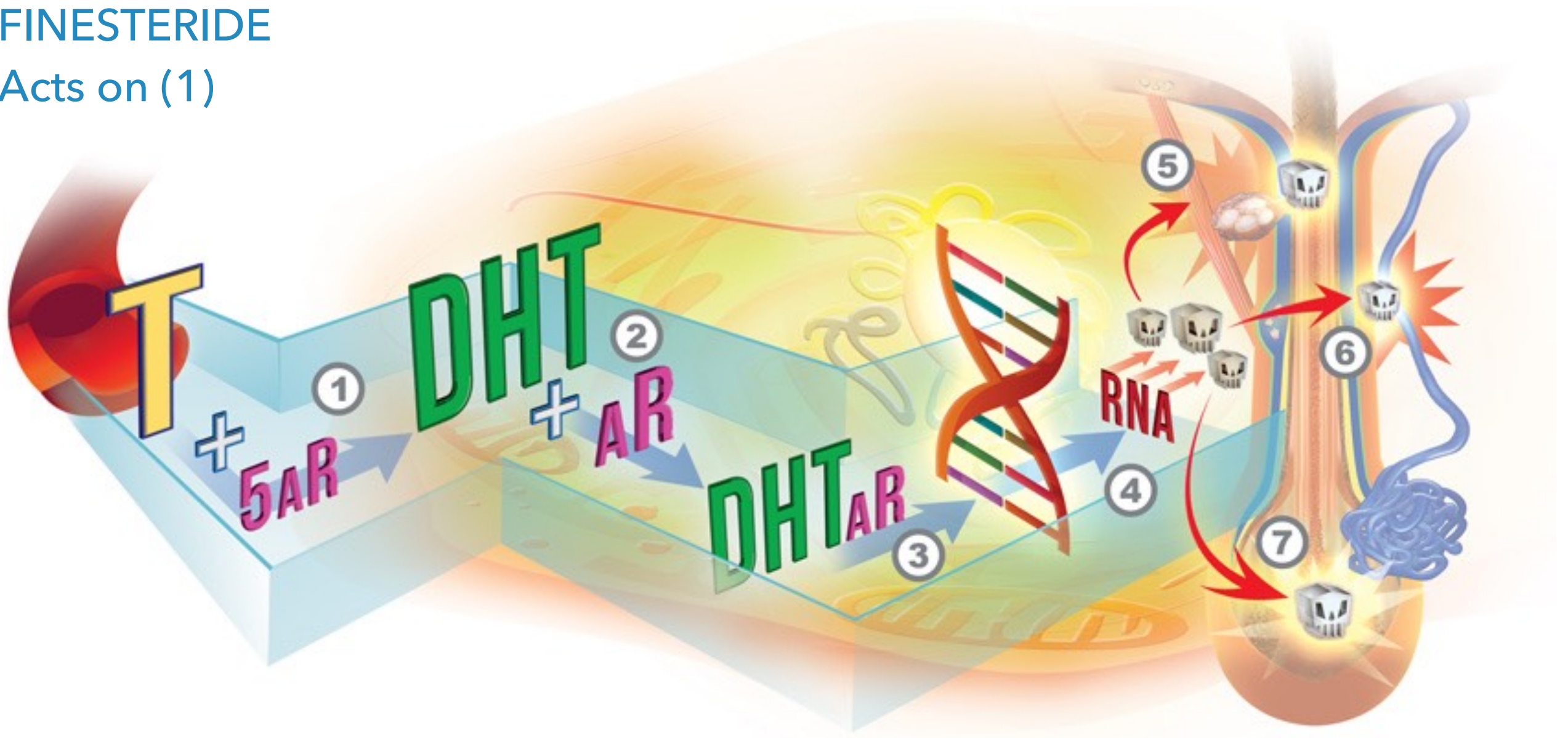
LOW LEVEL LIGHT THERAPY



FDA APPROVED MEDICINES

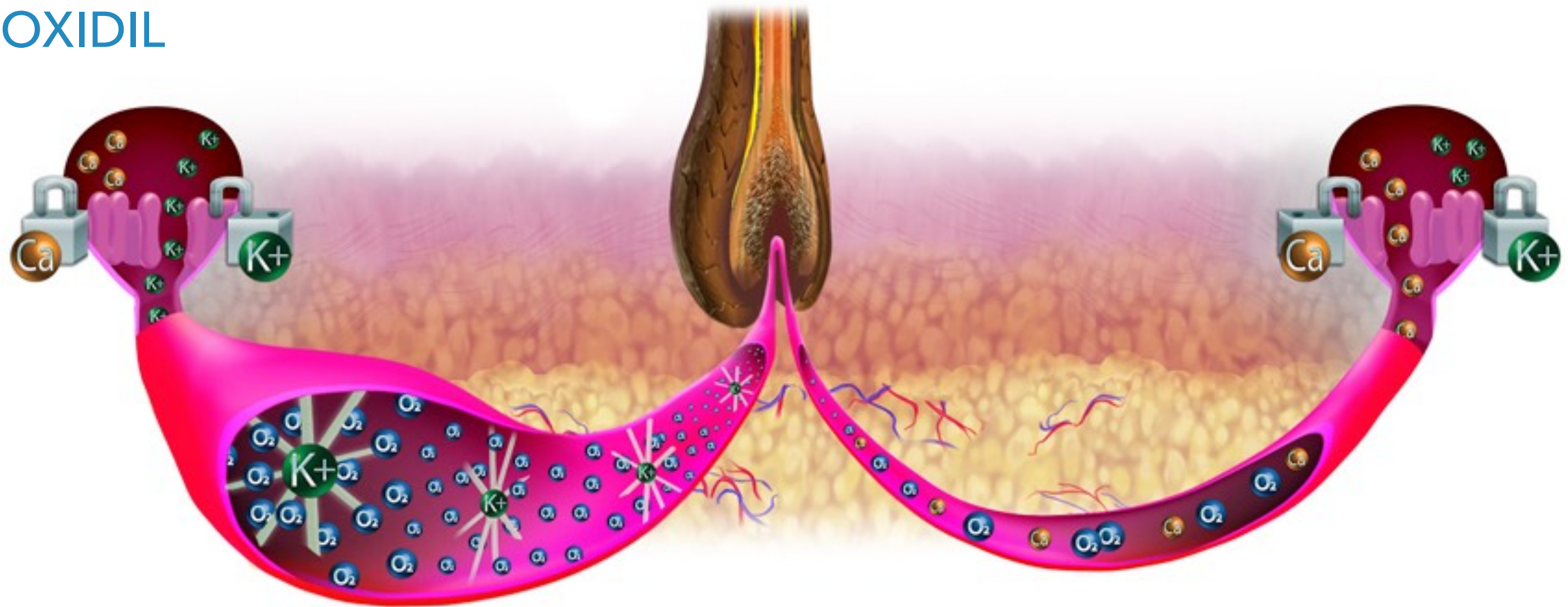
FINESTERIDE

Acts on (1)



FDA APPROVED MEDICINES

MINOXIDIL



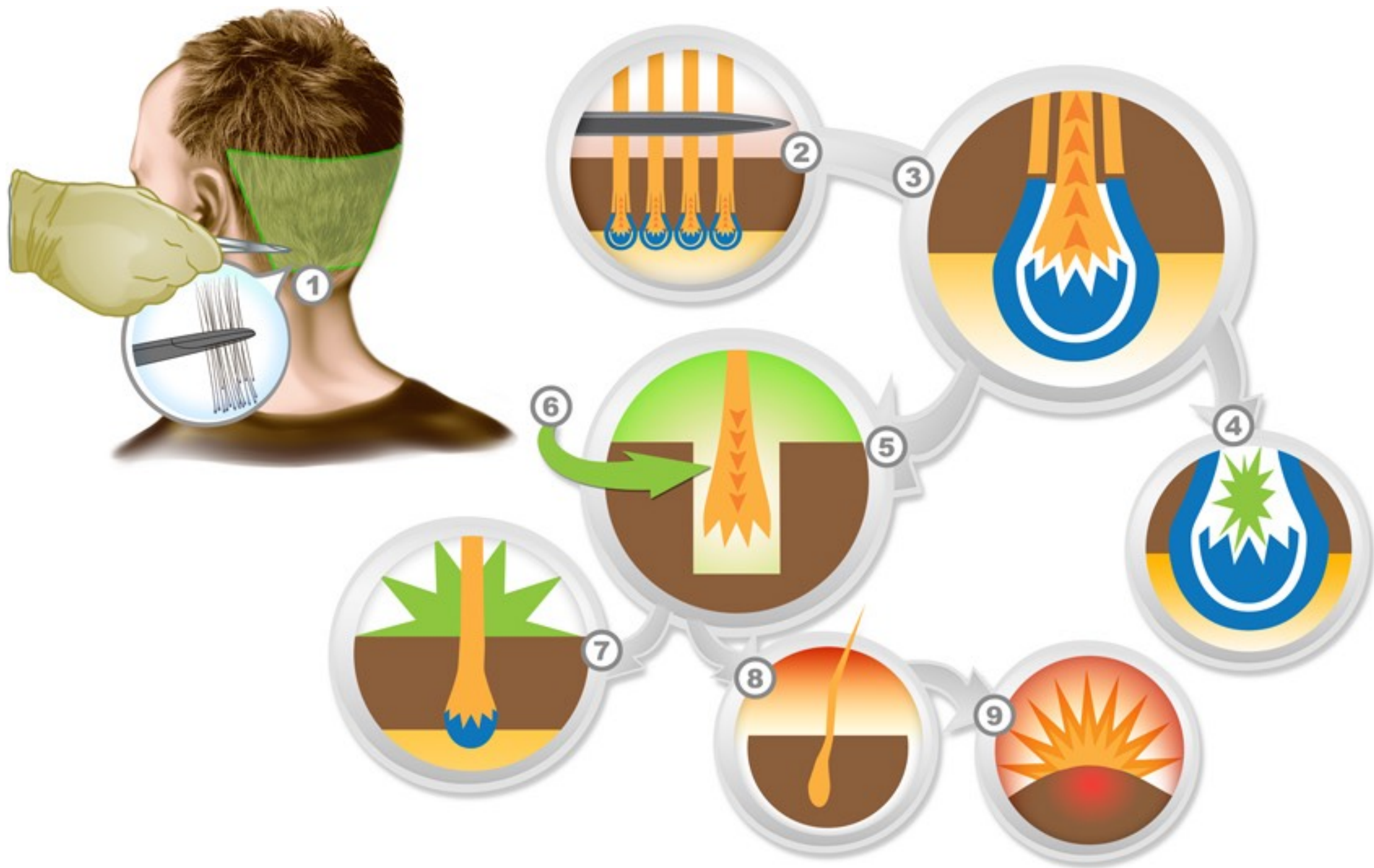
HAIR TRANSPLANT SURGERY

Auto Cloning

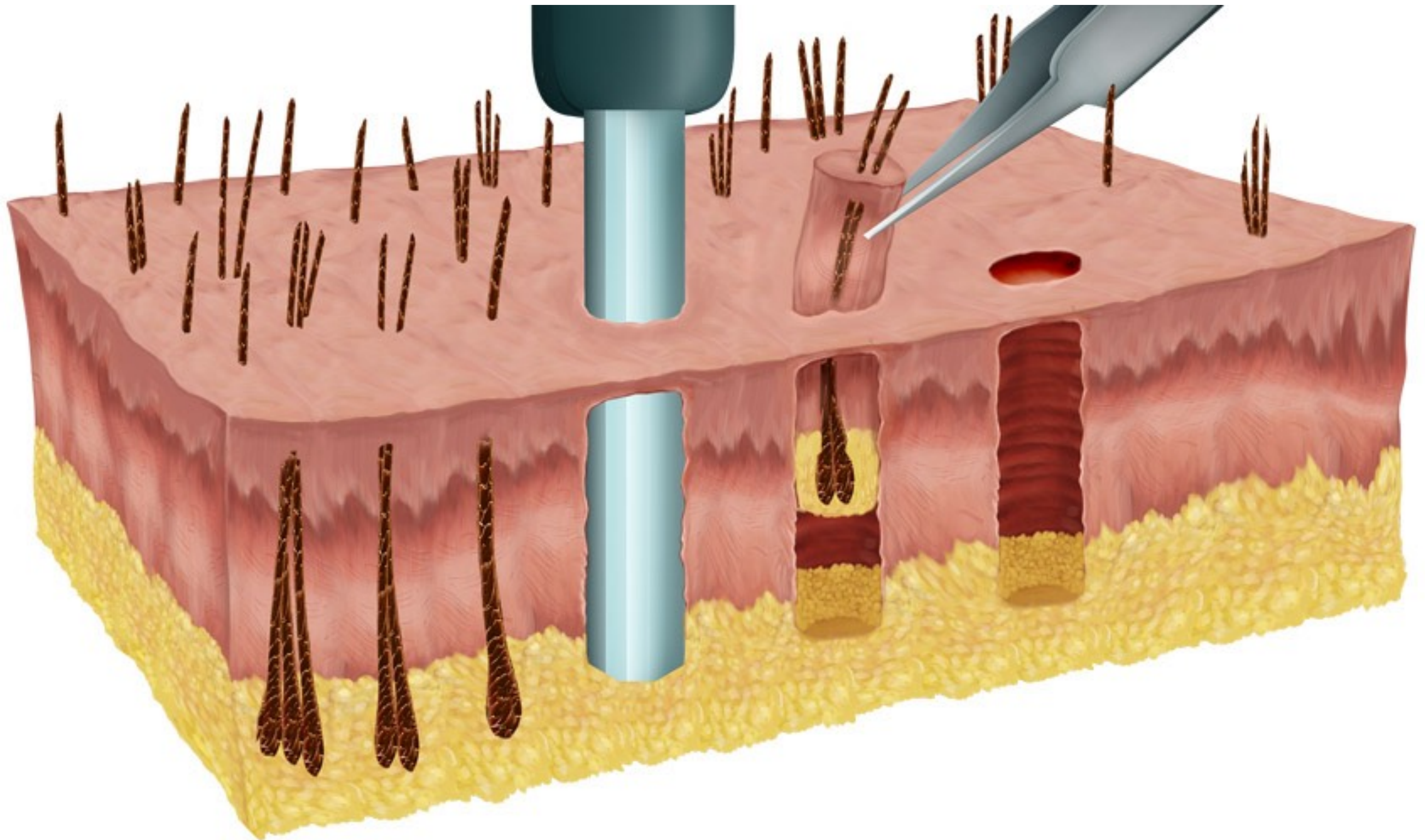
Follicular Unit Extraction

Long Hair Transplant

AUTO CLONING



FOLLICULAR UNIT EXTRACTION

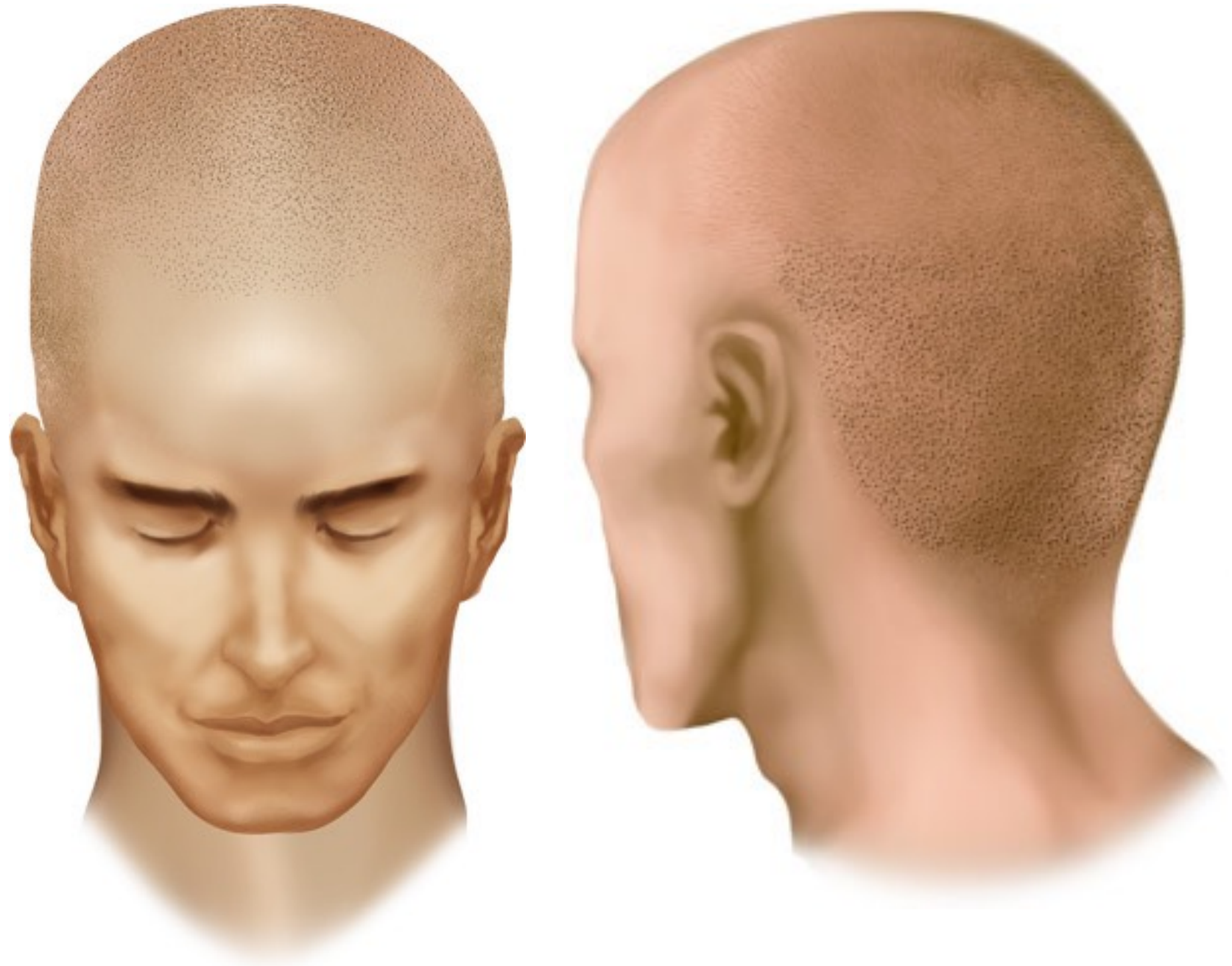


FOLLICULAR UNIT EXTRACTION

Two approaches:

With shaving

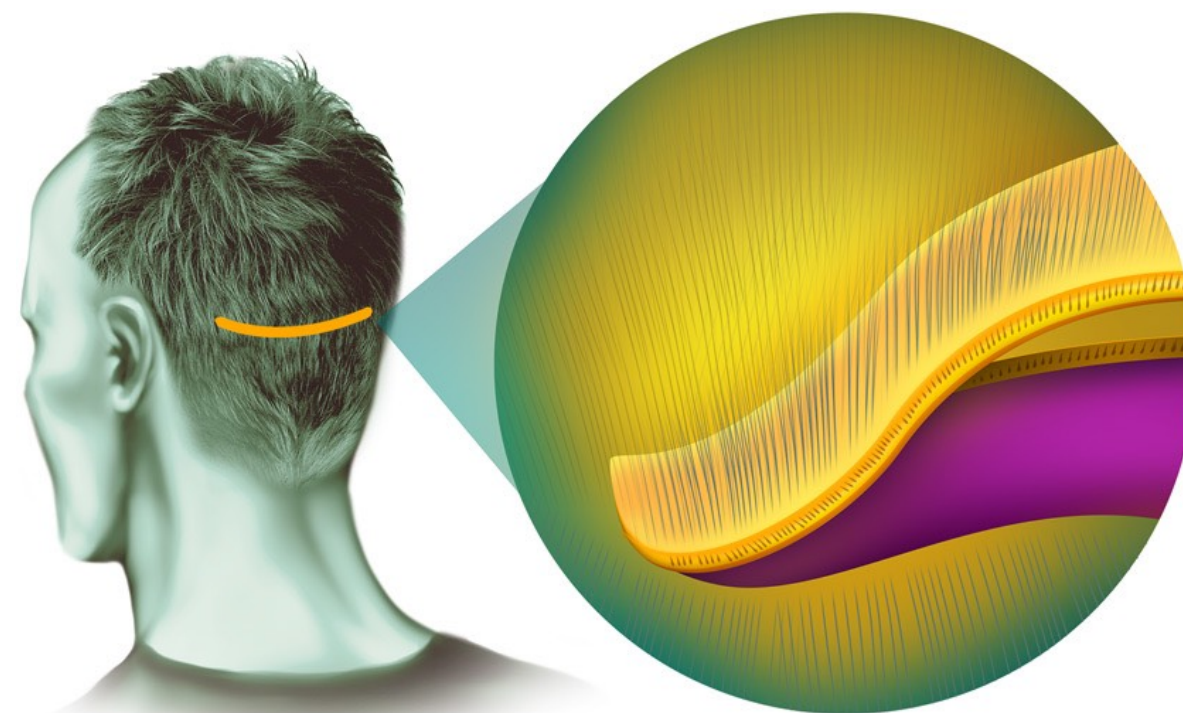
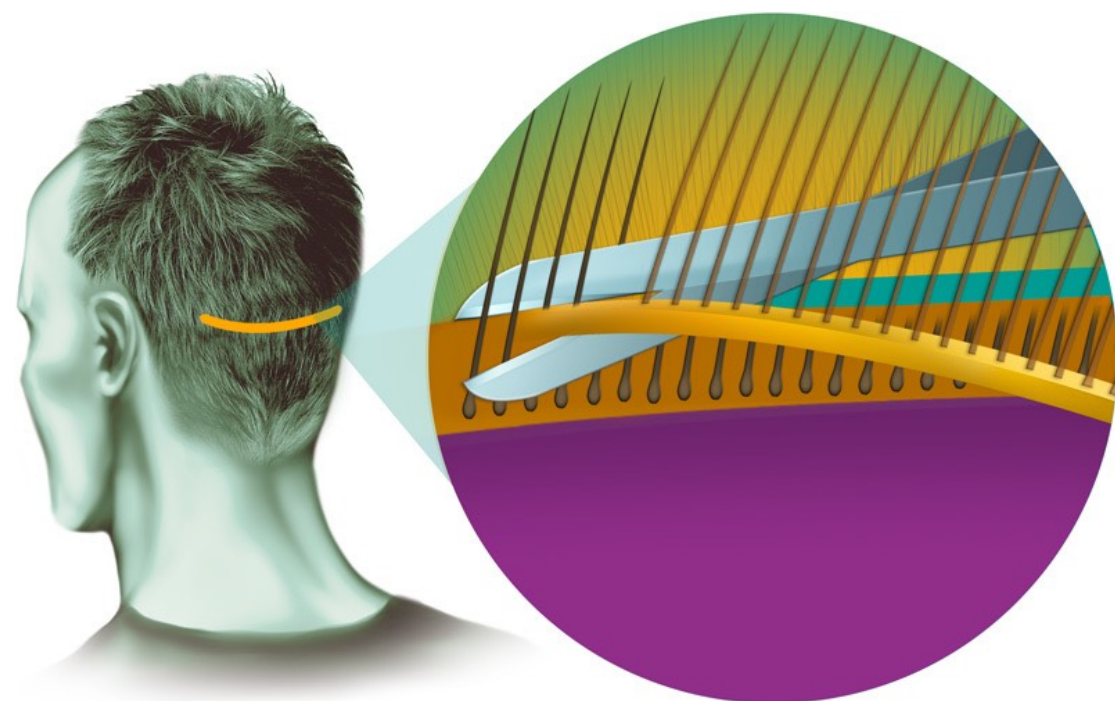
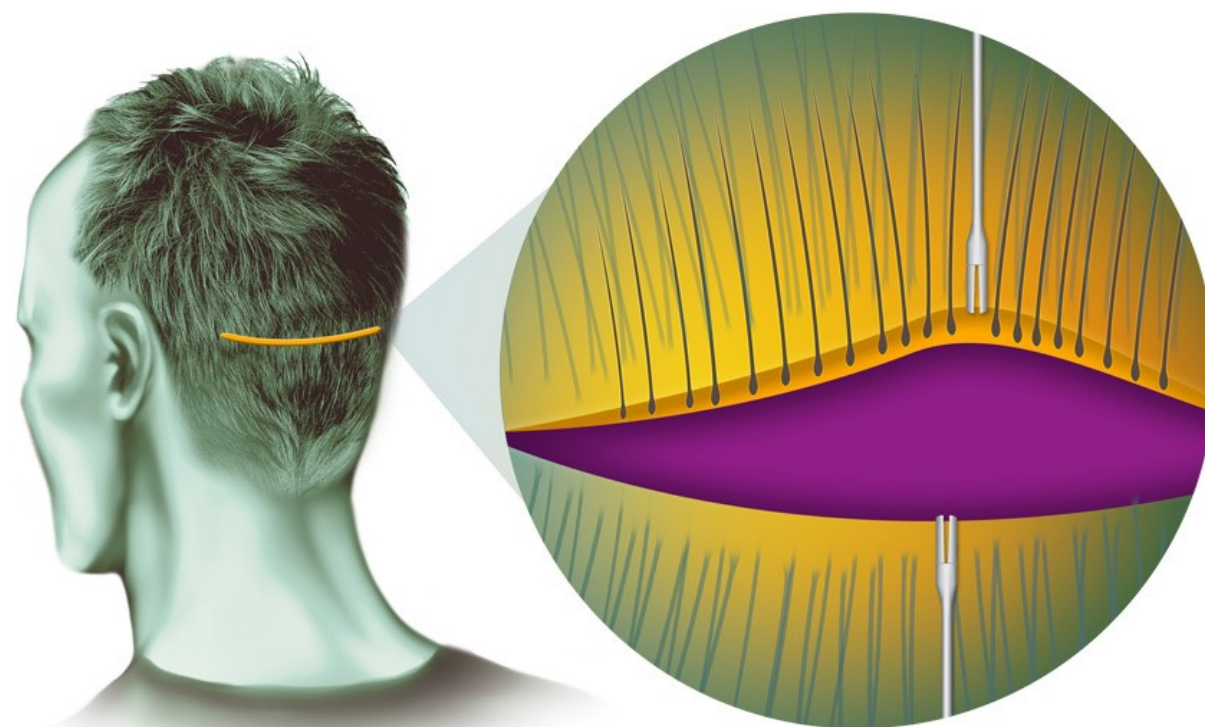
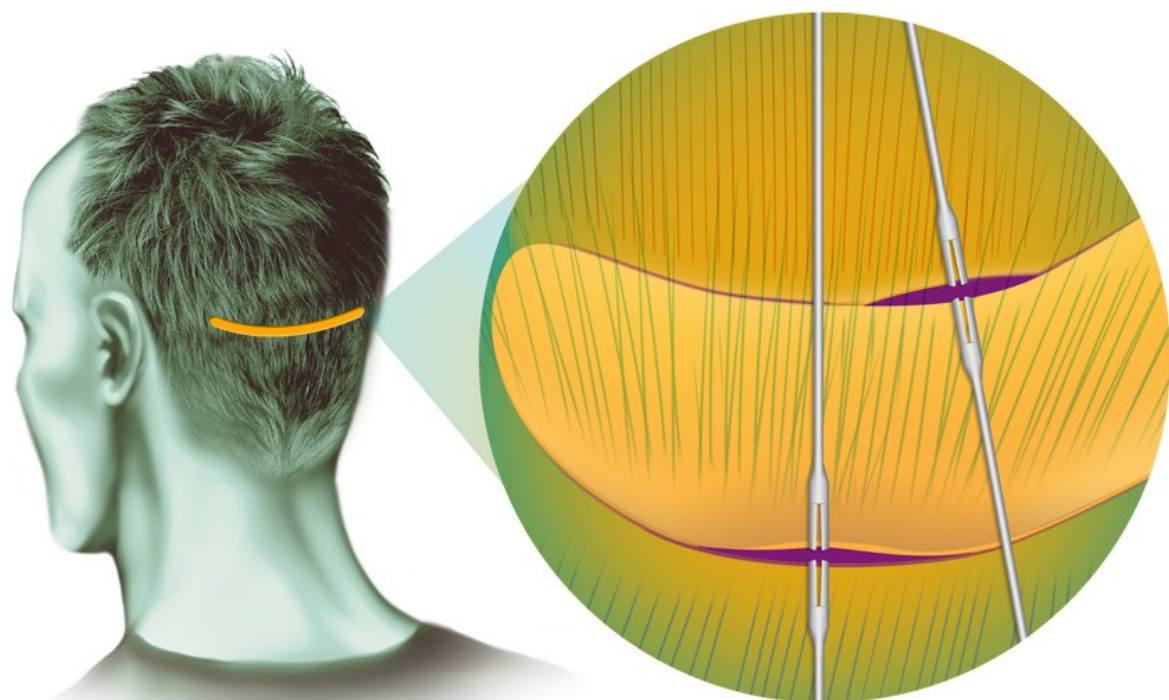
Without shaving



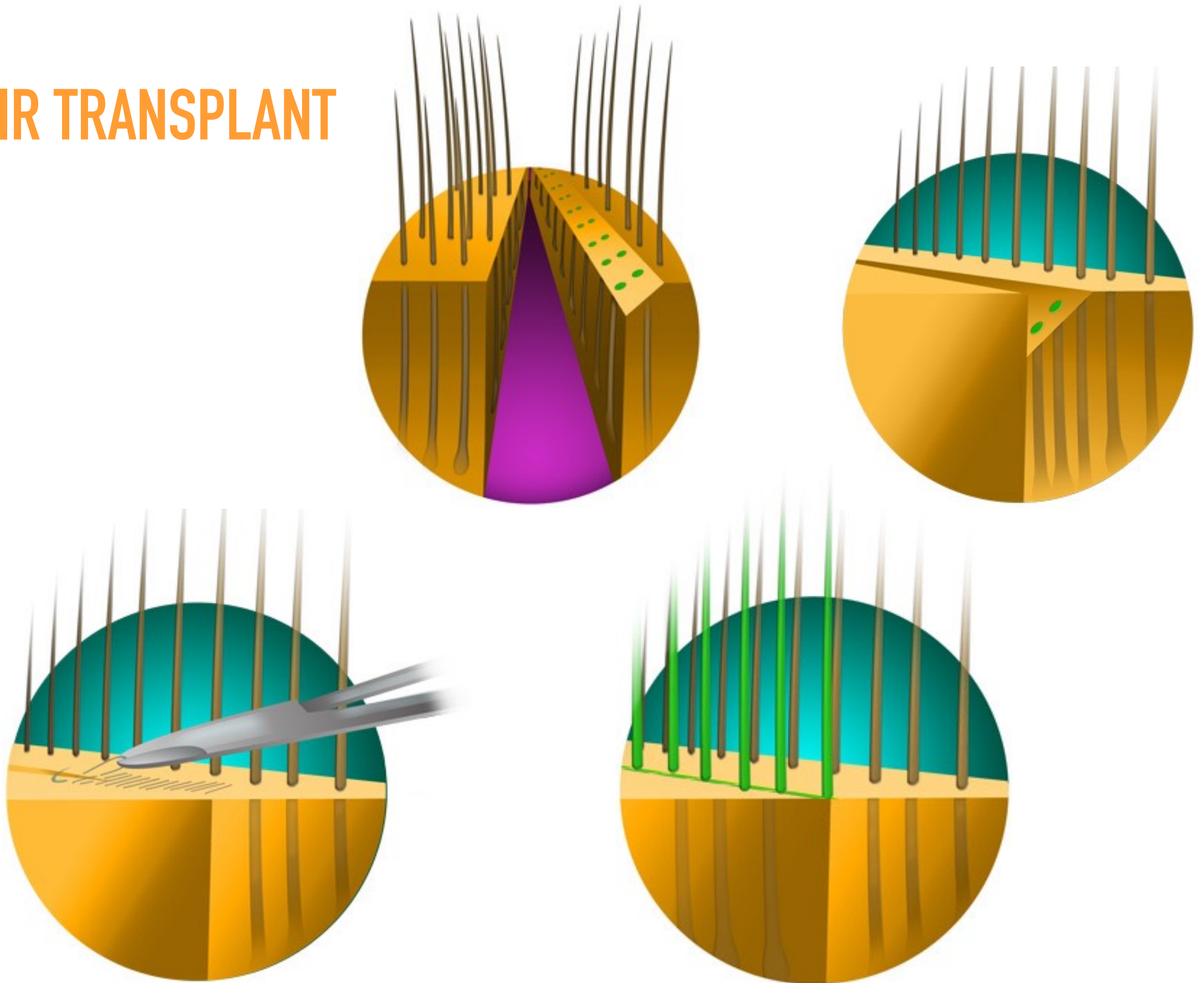
FOLLICULAR UNIT EXTRACTION



LONG HAIR TRANSPLANT



LONG HAIR TRANSPLANT

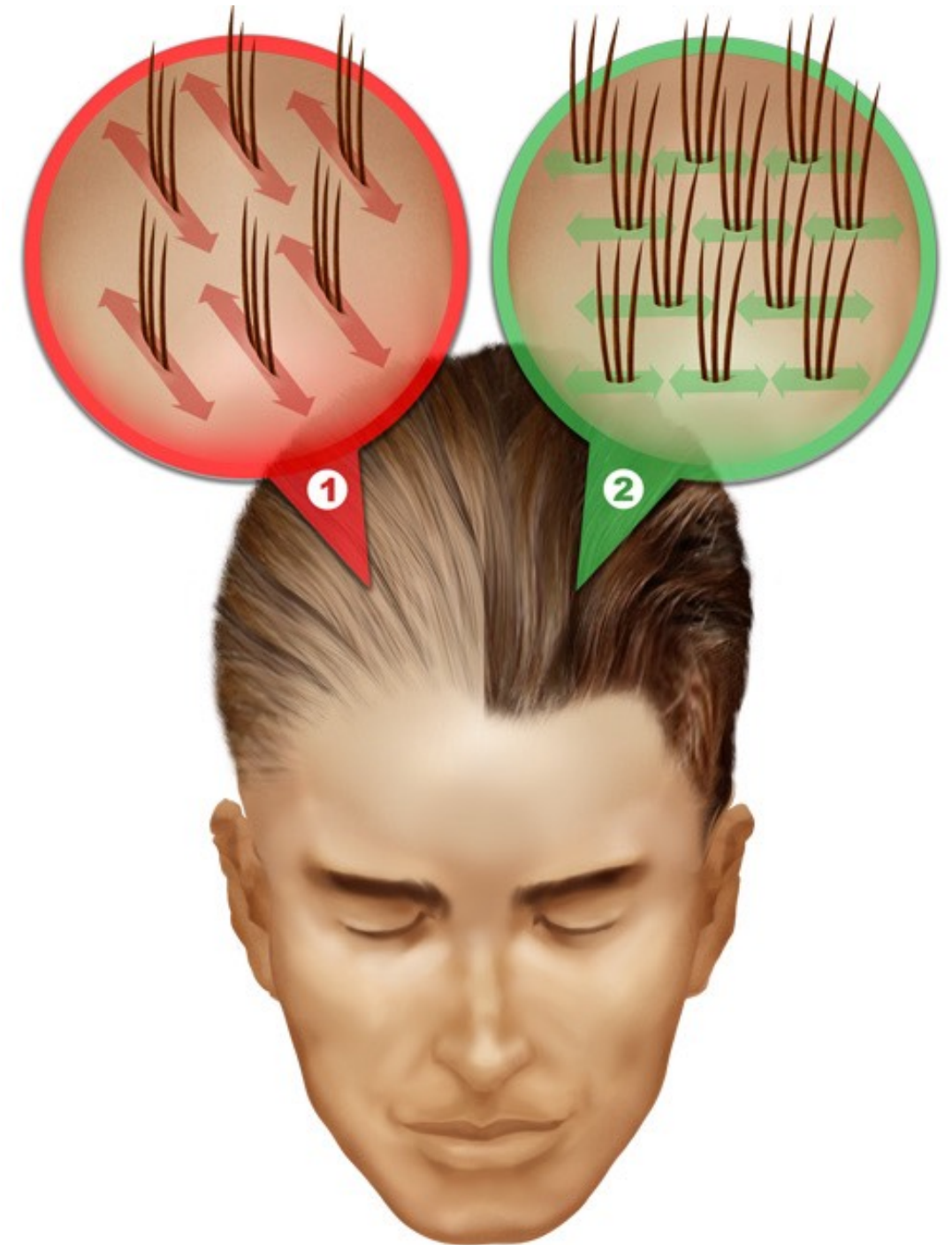
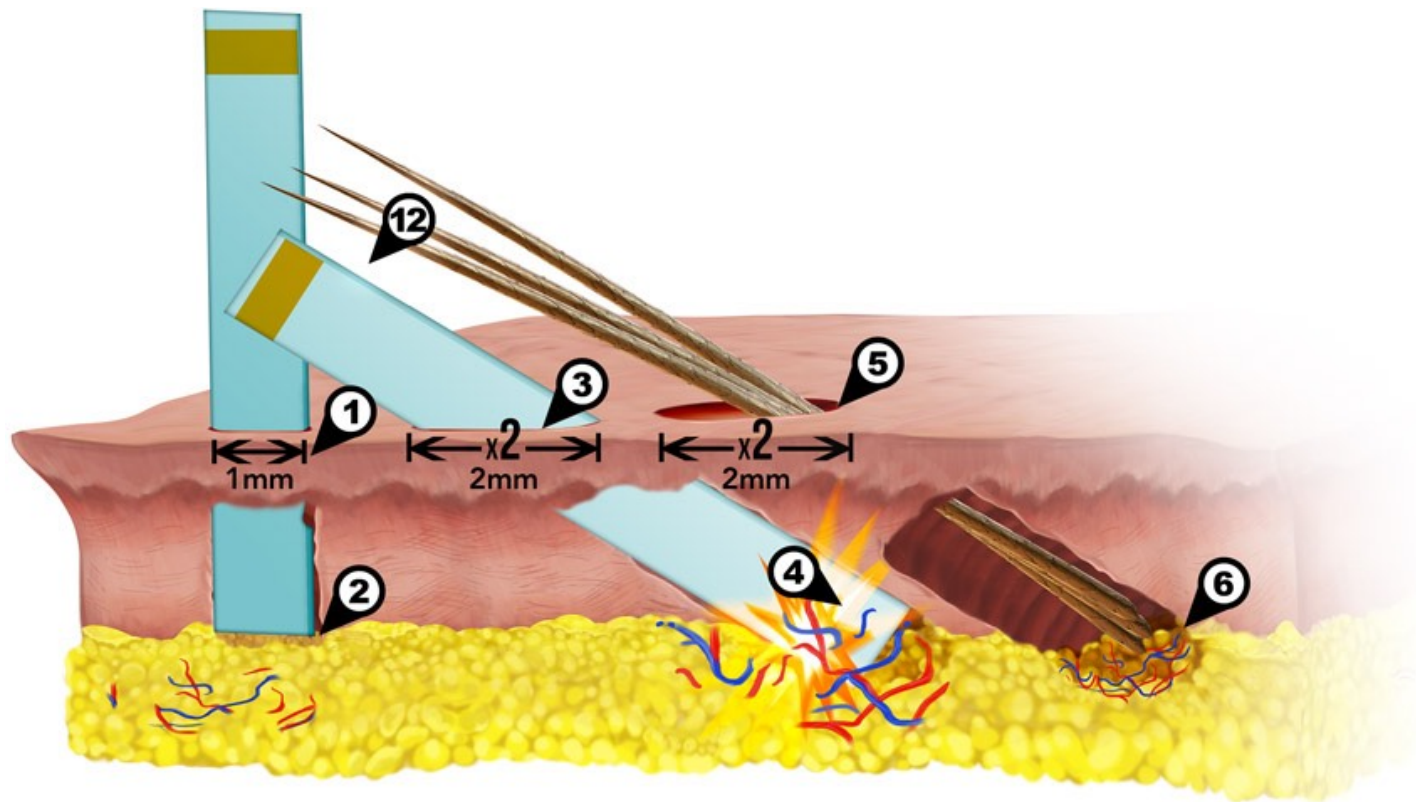


LONG HAIR TRANSPLANT

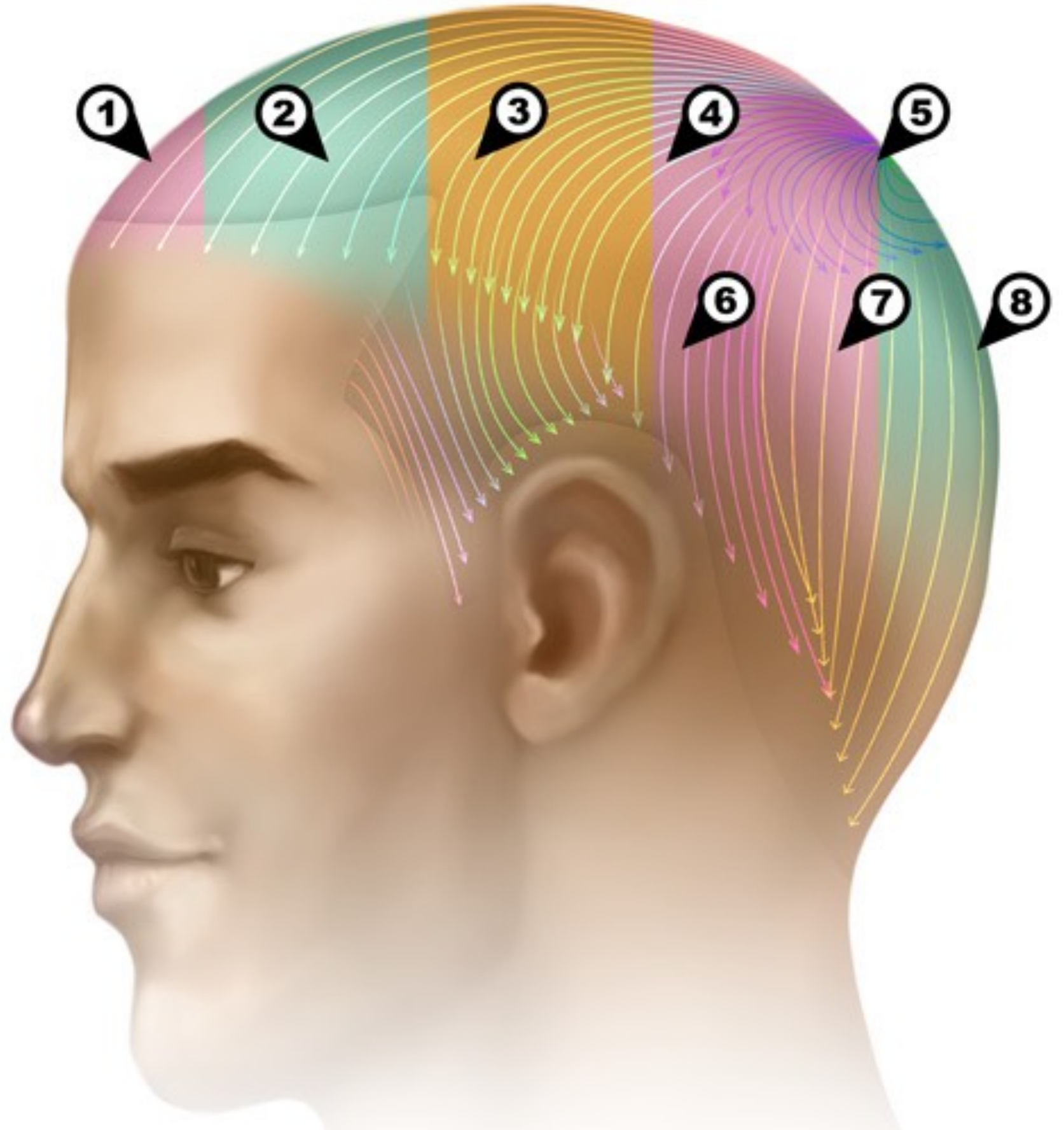


IMPORTANCE OF DIRECTION SITES PATTERN

Parallel vs Perpendicular Sites



IMPORTANCE OF HAIR DIRECTION





Dinok







Shahid

Harvey

