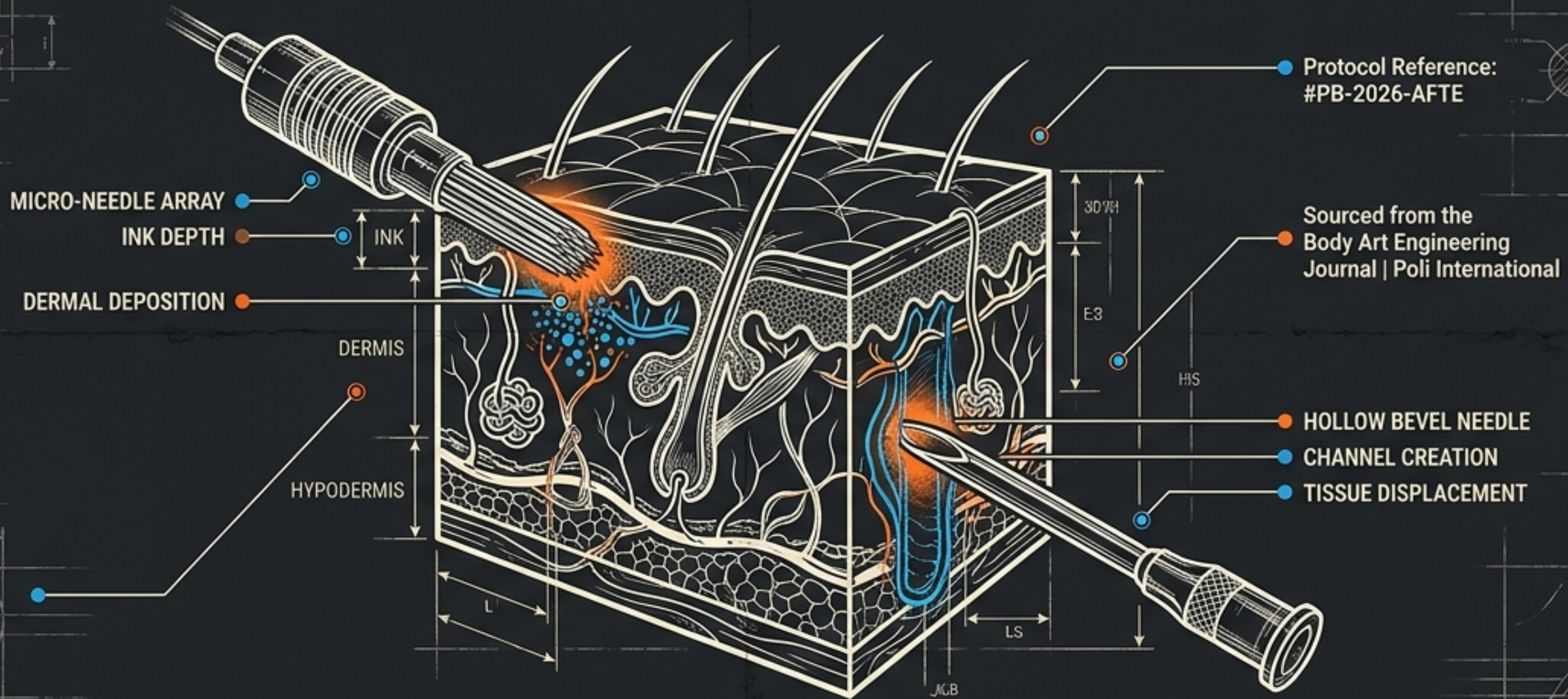


# AFTERCARE IS NOT PREFERENCE.

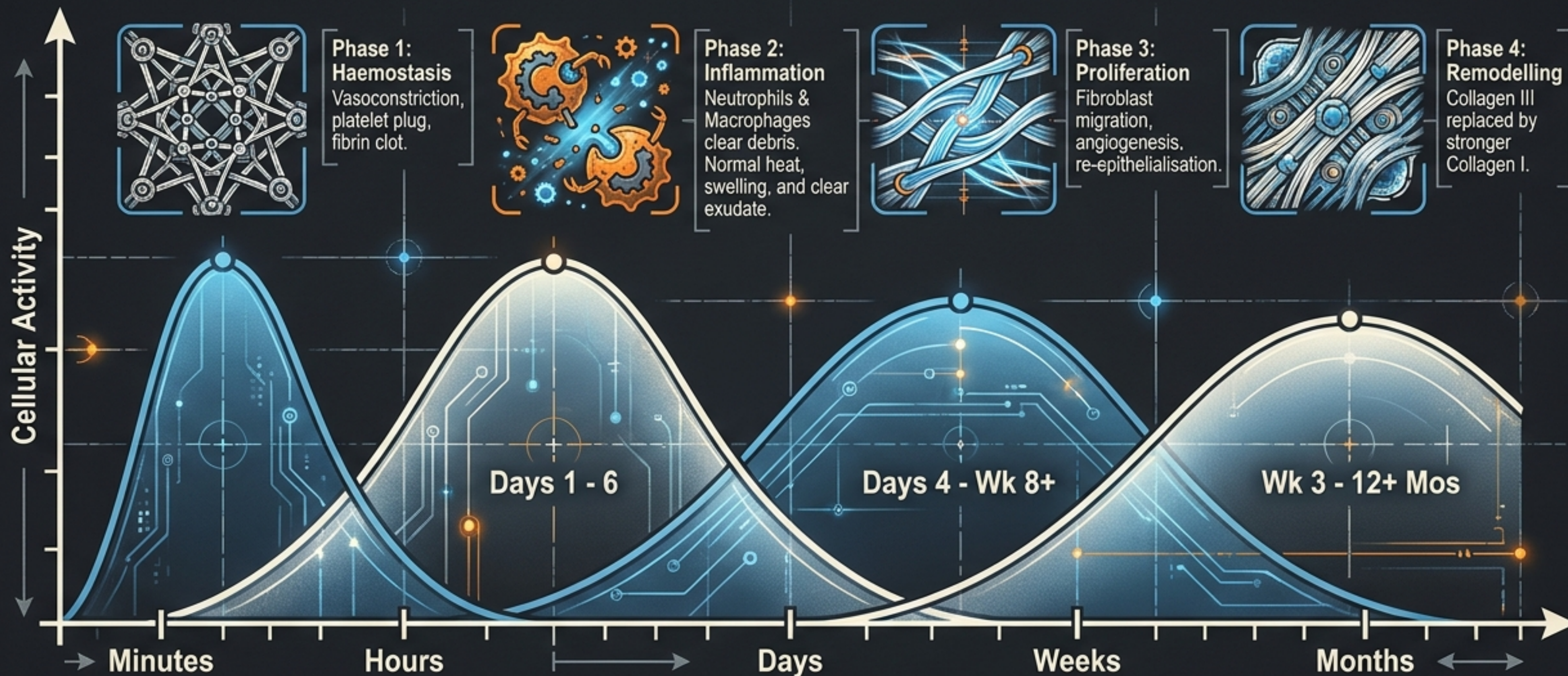
It is applied wound-healing biology.



The products change. The biology does not.  
Every aftercare decision is decided at the cellular level.



# THE 4-PHASE BIOLOGICAL CASCADE

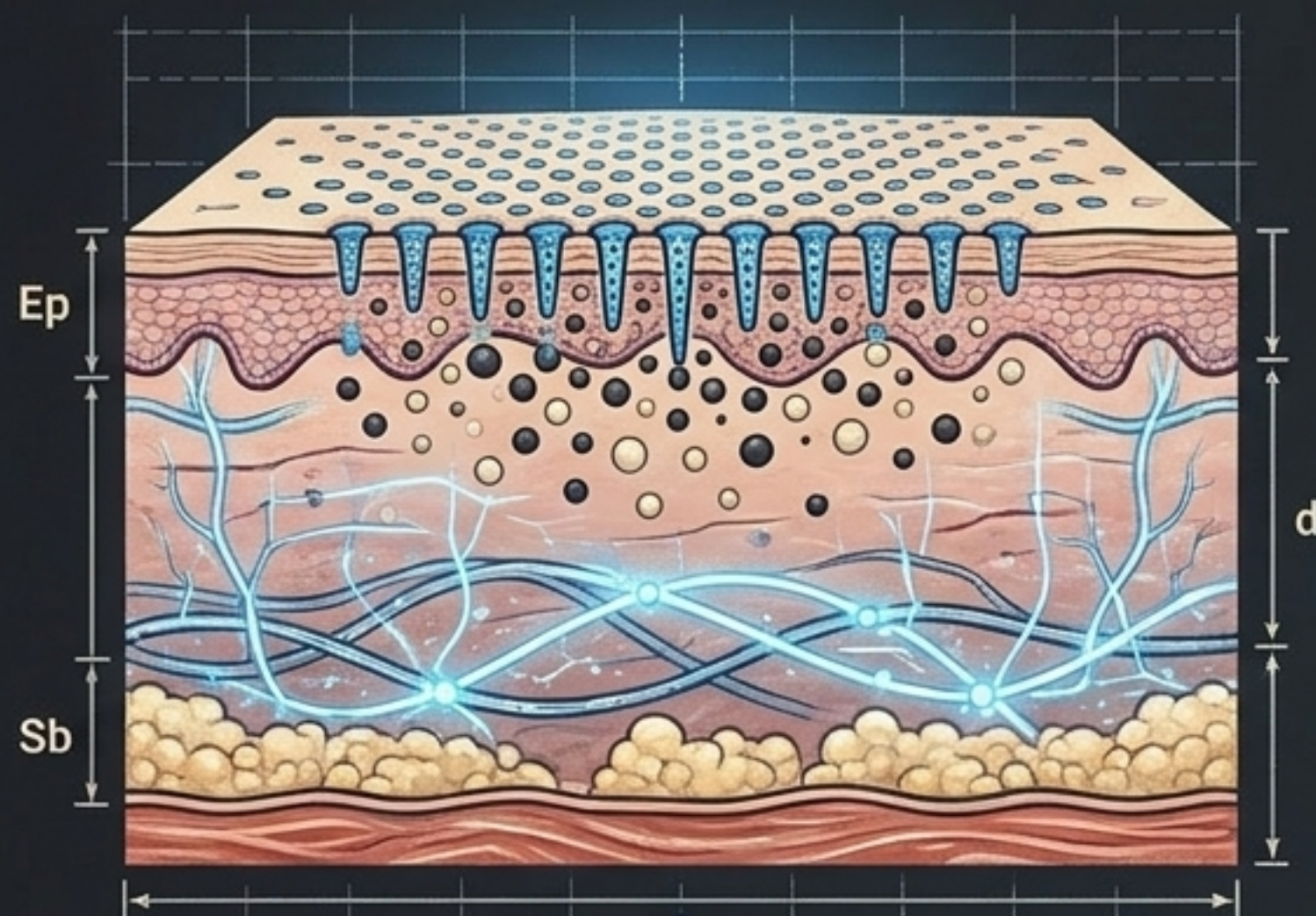


Applying the wrong product at the wrong phase prolongs inflammation or traps bacteria.



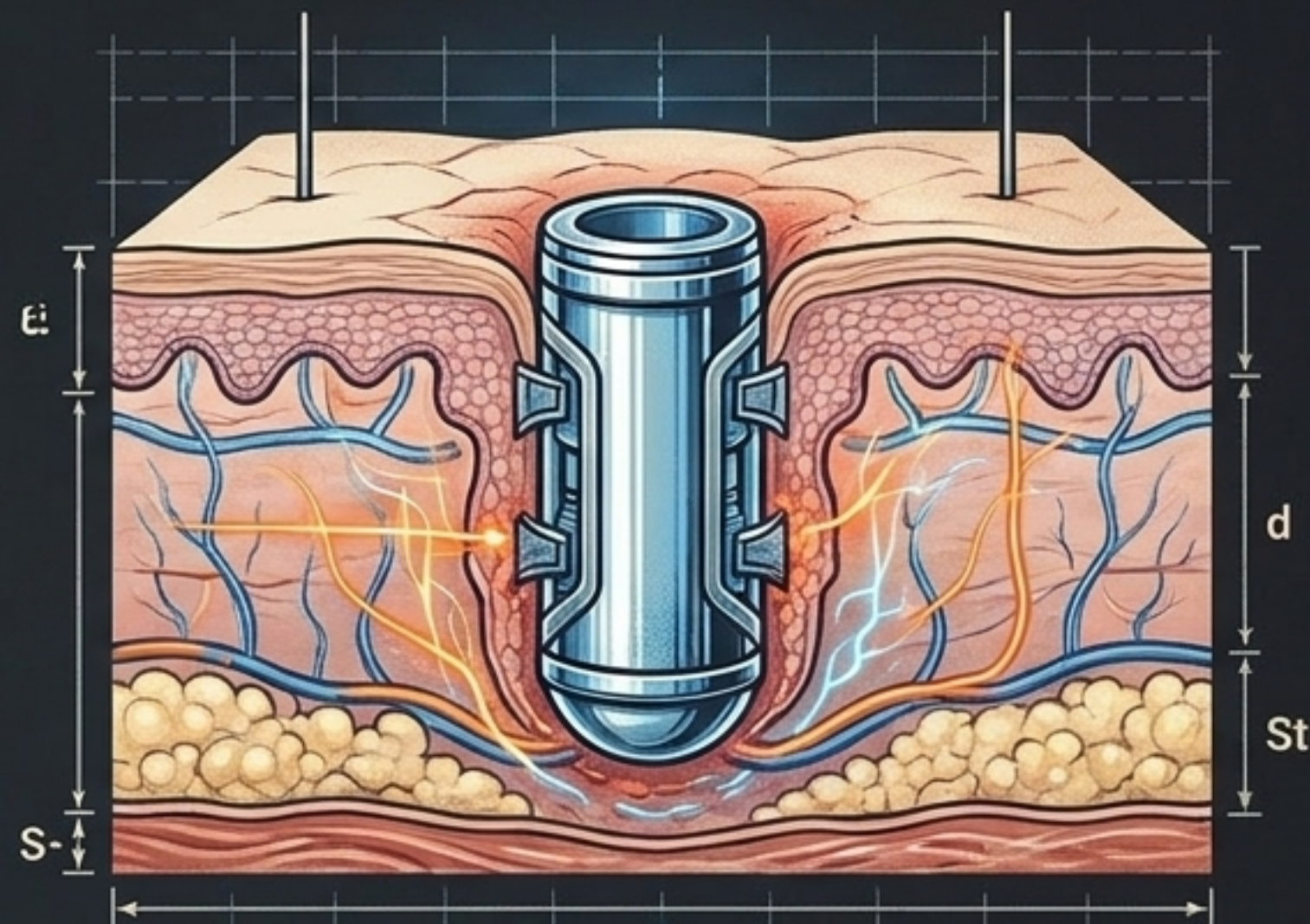
# THE BIOLOGICAL DIVIDE: SURFACE VS. PUNCTURE

## SURFACE ABRASION (Tattoo)



Requires moisture management for 2-3 weeks to support horizontal cell migration.

## PUNCTURE FISTULA (Piercing)

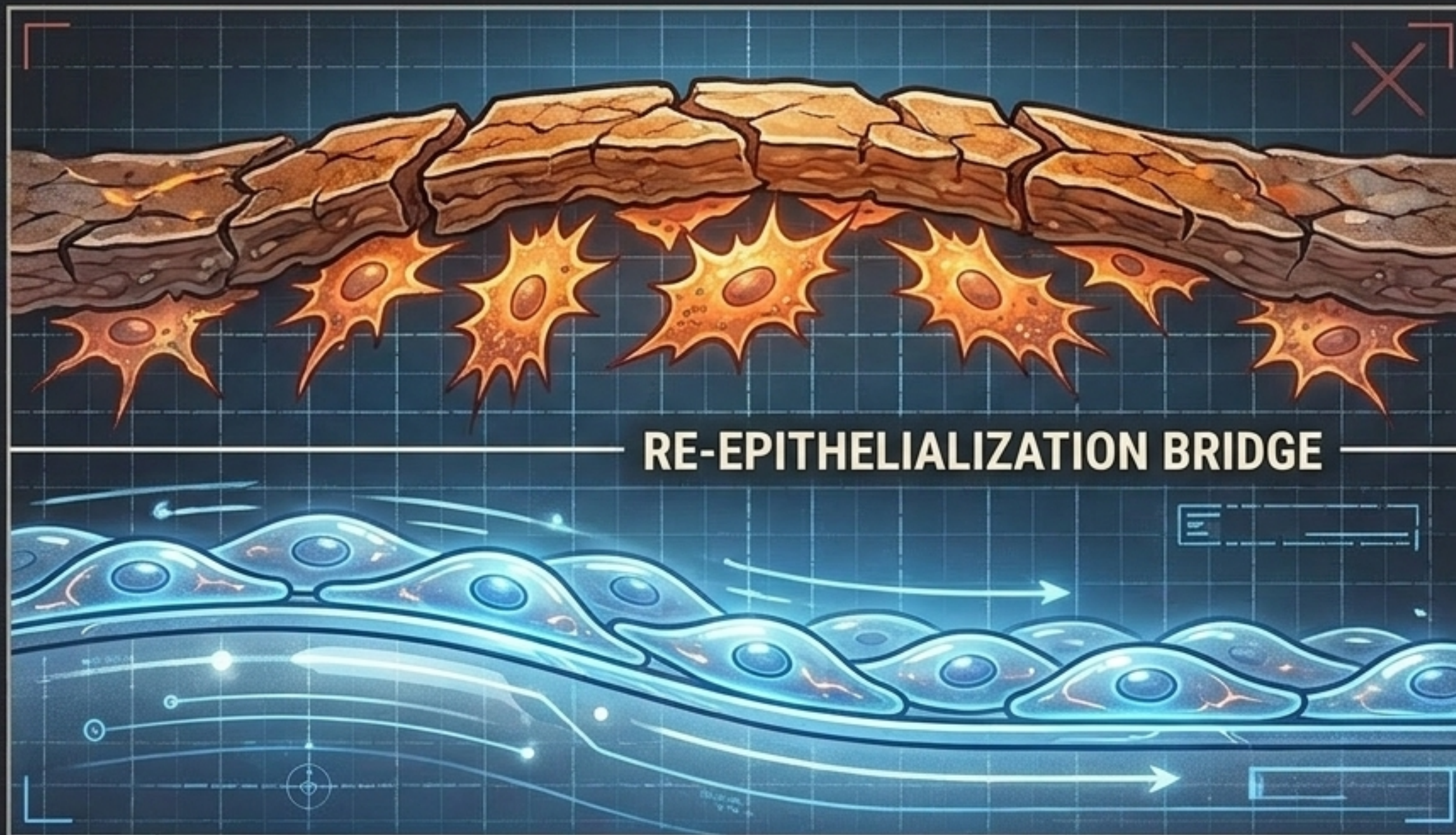


Requires weeks of unhindered tract formation. Reaches ~80% tensile strength at week 12.

Different mechanical pathways demand different chemical interventions.



# MOIST HEALING VS. DRY HEALING



## DRY HEALING

Dry environments force cells to burrow under rigid scabs, slowing repair and risking pigment loss.

## RE-EPITHELIALIZATION BRIDGE

## WET HEALING

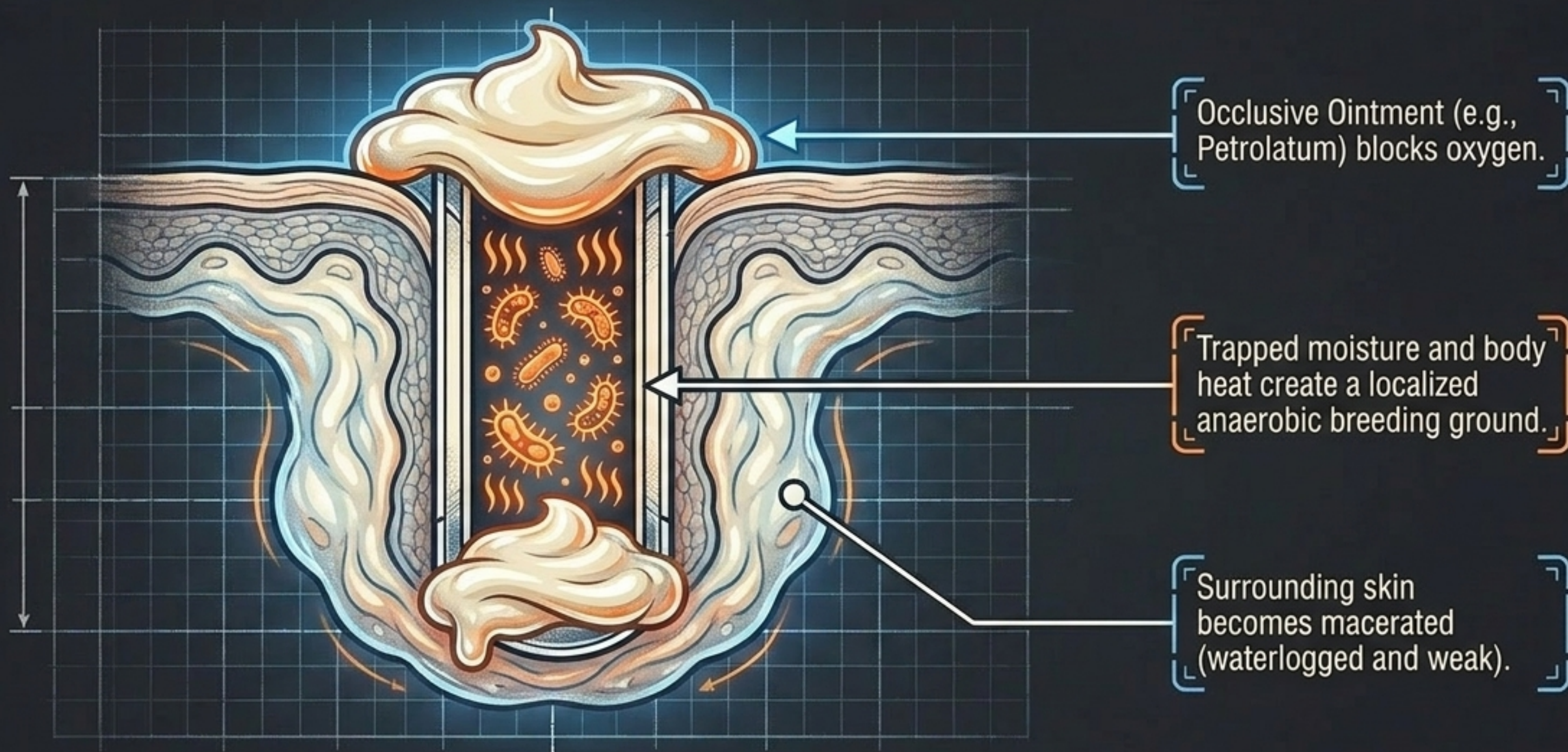
A moist environment accelerates re-epithelialisation by ~50% (Winter, 1962).

## CLINICAL PROTOCOL

Tattoos require a thin layer of petrolatum-based or dimethicone-based occlusive 2-3 times daily for the first 3-5 days. The wound should never feel greasy or suffocated.



# THE MACERATION TRAP

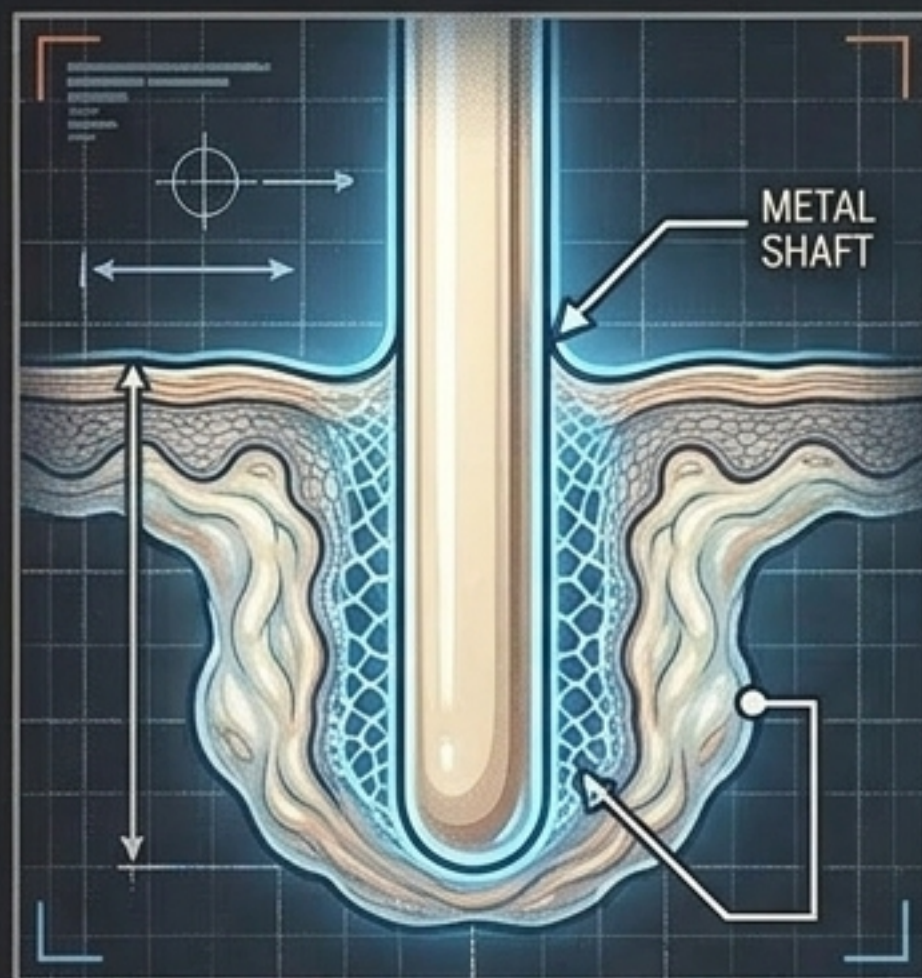


**Never use occlusive ointments** on a fresh piercing. The Association of Professional Piercers (APP) standard is sterile isotonic saline, applied twice daily. Keep the area dry.



# DO NOT ROTATE THE JEWELRY

**STEP 1 (THE HEALING)**



**STEP 1 (THE HEALING)**

Fragile new epithelial layer forms inside the fistula.

**STEP 2 (THE ROTATION)**



**STEP 2 (THE ROTATION)**

Movement physically tears the new cellular layer.

**STEP 3 (THE CONTAMINATION)**



**STEP 3 (THE CONTAMINATION)**

Rotation drags surface bacteria from the exposed jewelry directly into the deep wound channel.

Clean the exterior entry and exit points with sterile saline and leave the hardware alone.



# THE INGREDIENT CHEMISTRY MATRIX

## Green Tier (Safe)

White Petrolatum

Occlusive barrier

Accelerates  
re-epithelialisation

Maceration if applied  
too thickly.

Dimethicone

Silicone occlusive

Breathes better  
than petrolatum

Very low irritancy.

## Yellow Tier (Caution)

Panthenol  
(Pro-Vit B5)

Humectant

Promotes fibroblast  
growth

Sparse tattoo-  
specific data.

Lanolin

Emollient

Reduces water loss

Contact allergen in  
~2% of patients.

## Red Tier (Do Not Use)

Fragrance /  
Parfum

Scent

Zero therapeutic  
benefit

High allergen risk.

Alcohol / H2O2

Antiseptic

Effective on intact  
skin only

Cytotoxic to  
fibroblasts.



# CYTOTOXICITY: WHAT KILLS HEALING

**CYTOTOXIC:**  
Toxic to living cells.

**FIBROBLASTS & KERATINOCYTES:**  
The master repair cells responsible for closing your wound.

## THE CULPRITS



**ISOPROPYL ALCOHOL**



**HYDROGEN PEROXIDE**



**UNDILUTED ESSENTIAL OILS**  
(E.G., TEA TREE)

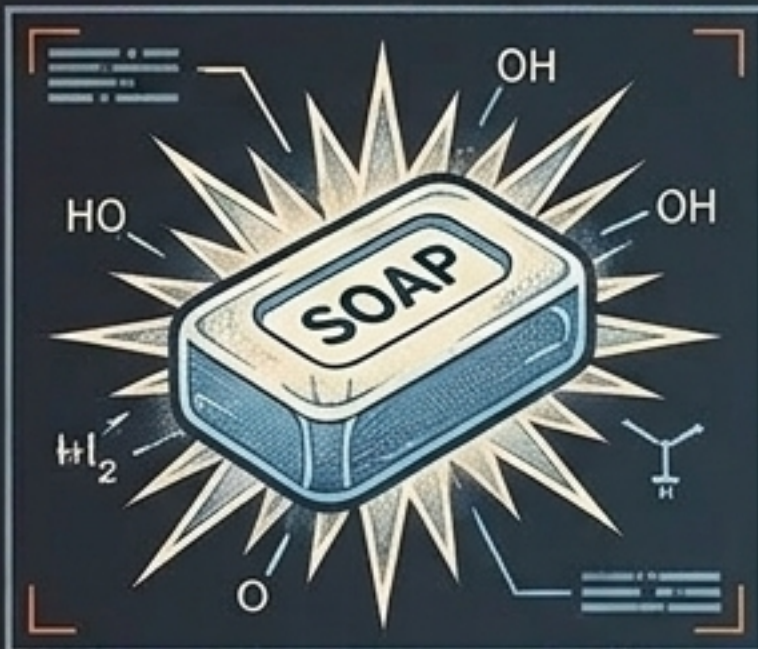


These agents do not just kill bacteria; they kill your own repair cells, immediately delaying wound healing and stripping pigment. If it is not formulated for wound care, it does not belong on a fresh tattoo or piercing.



# CLINICAL CORRECTIONS

## The Soap Myth



**Avoid:** Antibacterial soaps (triclosan/chlorhexidine). Causes unnecessary irritation.

**Alternative:** Fragrance-free, dye-free mild soap.

## The Coconut Oil Myth



**Avoid:** Coconut oil on an open wound. It is not sterile and its occlusive weight traps bacteria.

**Alternative:** Use specifically formulated wound-care occlusives for the first 3-5 days. (Save coconut oil for healed tattoos).

## The Piercing Bump Myth



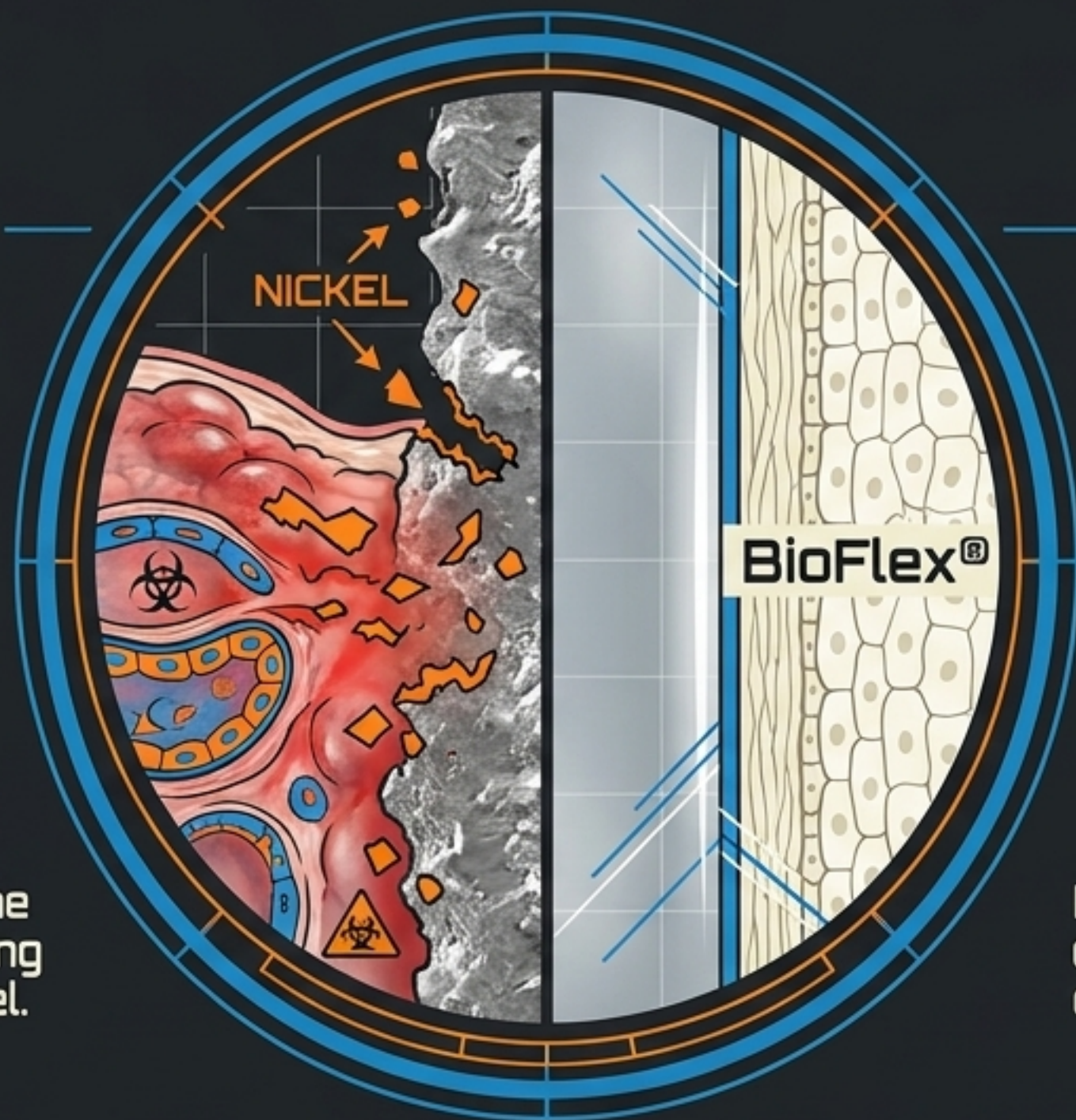
**Avoid:** Aspirin paste, tea tree oil, or over-the-counter wart removers.

**Alternative:** Identify the mechanical pressure (sleeping, headphones, long jewelry), remove it, and return to sterile saline.



# THE HARDWARE VARIABLE

Reactive  
Alloy



Medical Elastomer /  
Implant Grade

Unknown alloys degrade in the moist fistula, leaching sensitizing metals like nickel.

Implant-grade medical elastomers do not irritate maturing tracts or leach chemicals.

You cannot fix a bad jewelry choice with a good aftercare routine.  
The product and the hardware are two halves of the same equation.



# THE HEALING EQUATION

**CORRECT  
PHASE  
IDENTIFICATION**

Applying occlusives  
only during the 3-5 day  
re-epithelialisation  
window.

+

**CLINICALLY  
SAFE  
MATERIAL &  
CHEMISTRY**

Implant-grade  
hardware (BioFlex) +  
Non-cytotoxic,  
fragrance-free solutions.

+

**ZERO  
MECHANICAL  
INTERFERENCE**

No rotating, no picking,  
no sleeping pressure,  
no harsh antiseptics.

=

**OPTIMAL  
WOUND  
HEALING**

Aftercare is a clinical protocol. Stop guessing.

| Poli International Clinical Physics Ref: #PB-2026-AFTE