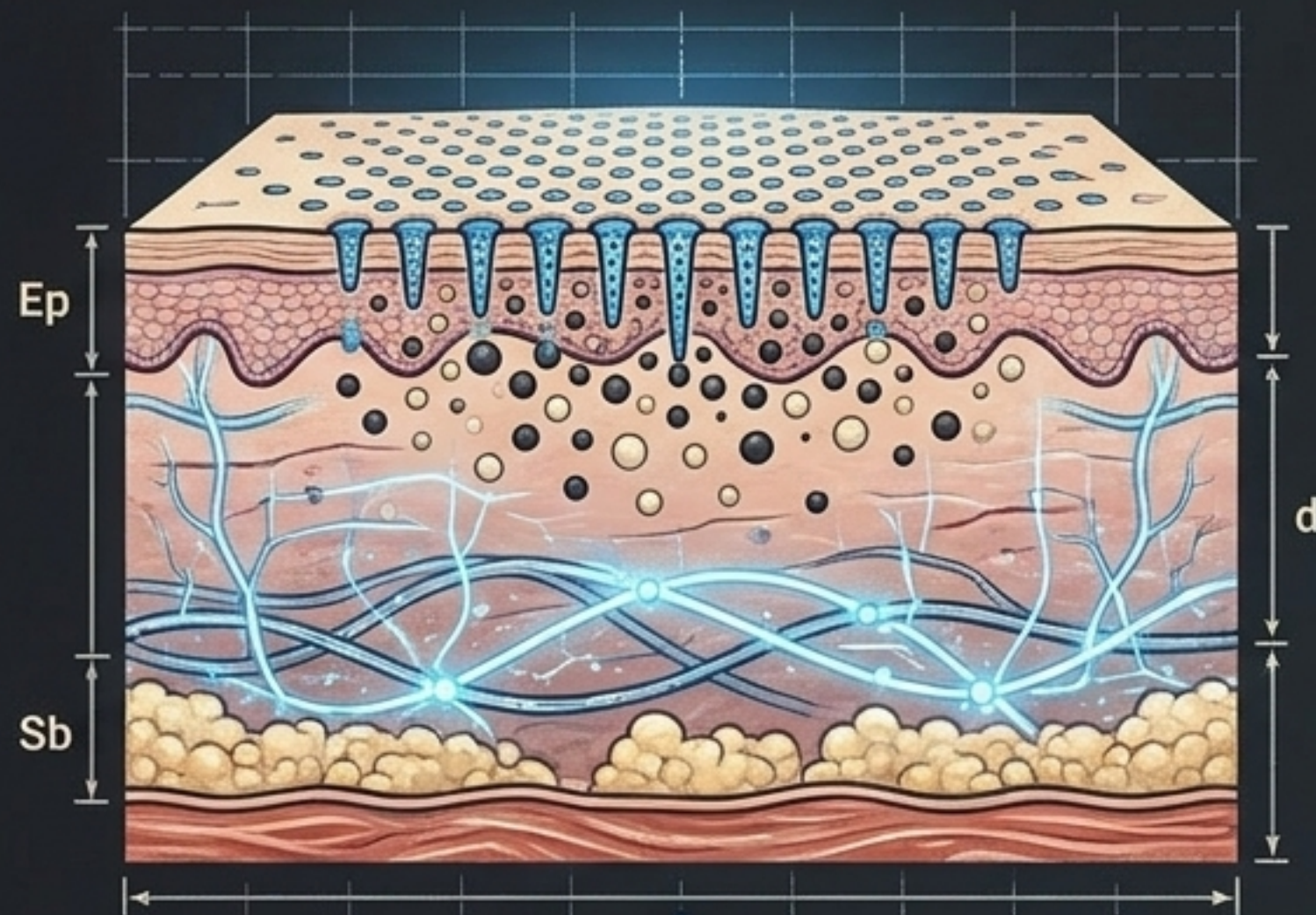


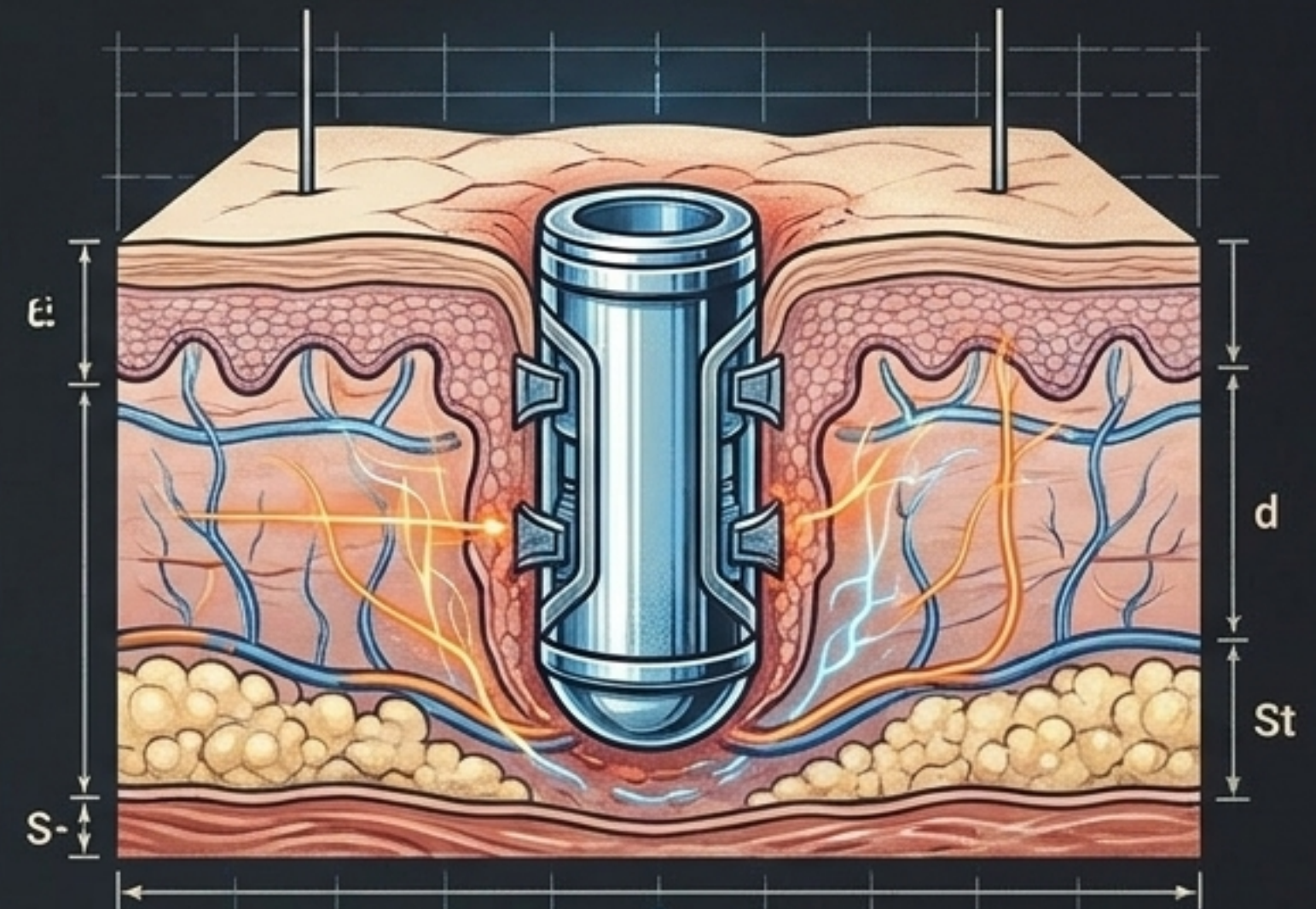
THE BIOLOGICAL DIVIDE: SURFACE VS. PUNCTURE

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.