

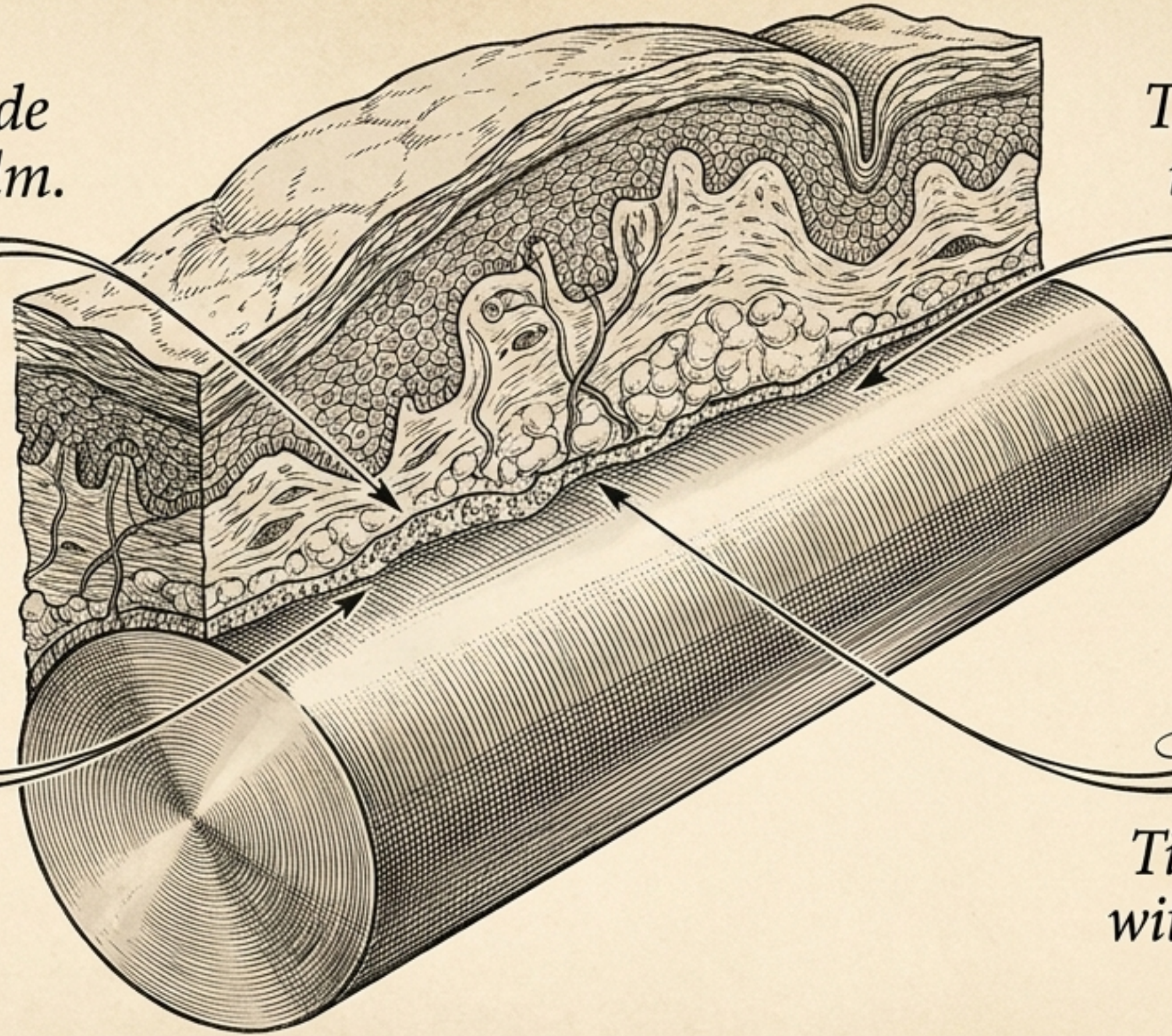
A

*Titanium dioxide
forms passive film.*

*The layer reforms
in milliseconds.*

*Film acts as
physical barrier.*

*Tissue integrates
with stable oxides.*



The self healing passivation layer stops ion release in physiological conditions.

BIOLOGY DEMANDS INERT METALS