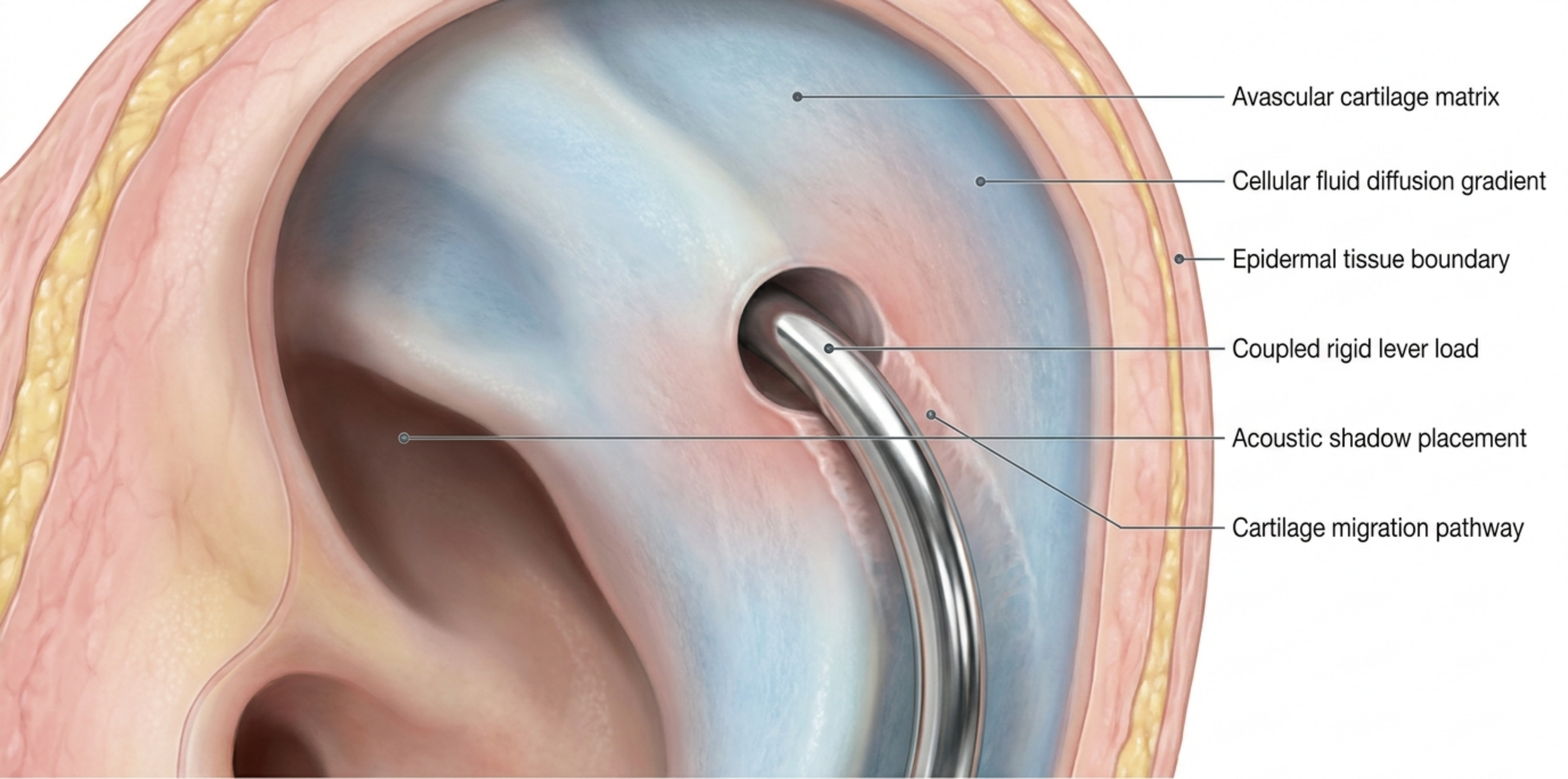




Avascular cartilage matrix

Cellular fluid diffusion gradient

Epidermal tissue boundary

Coupled rigid lever load

Acoustic shadow placement

Cartilage migration pathway

Avascular cartilage heals slowly because it relies entirely on cellular diffusion rather than blood flow.

CARTILAGE DIFFUSION MECHANICS