

1: Uniform
repetitive needle
trauma

2: Destroyed
dermal-epidermal
junction

3: Ink particles
in dermis

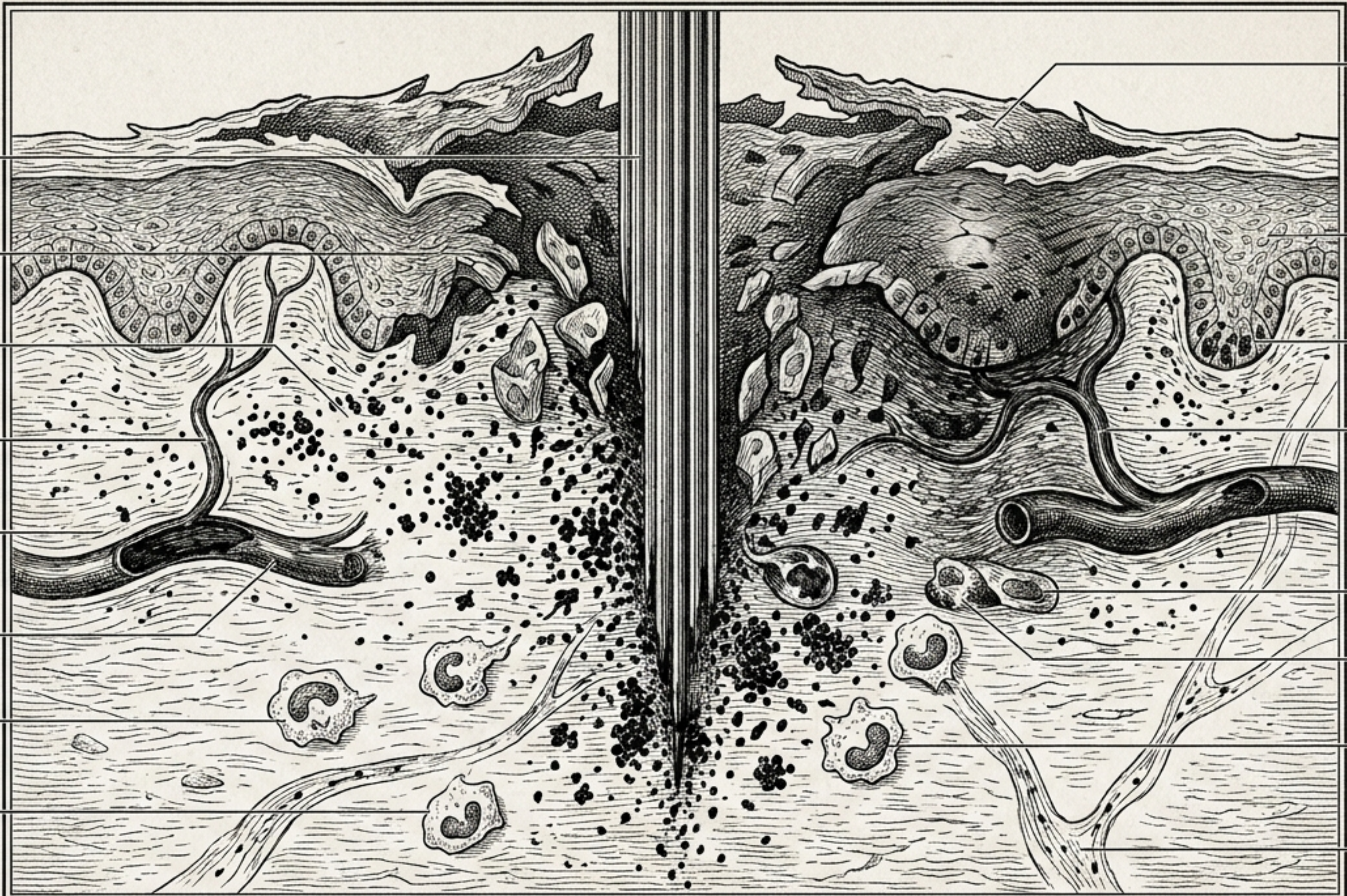
4: Localized
blood supply
increase

5: Epidermal
scabbing and
inflammation

6: Basal cells
absorbing
pigment

7: Macrophage
white blood cells

8: Extracellular
lymphatic
pigment drainage



5

2

3

4

5

6

7

8

Needles bypass the primary physical barrier to deposit sub-100 nanometre ink particles into the dermal tissue.

CONTROLLED TISSUE TRAUMA