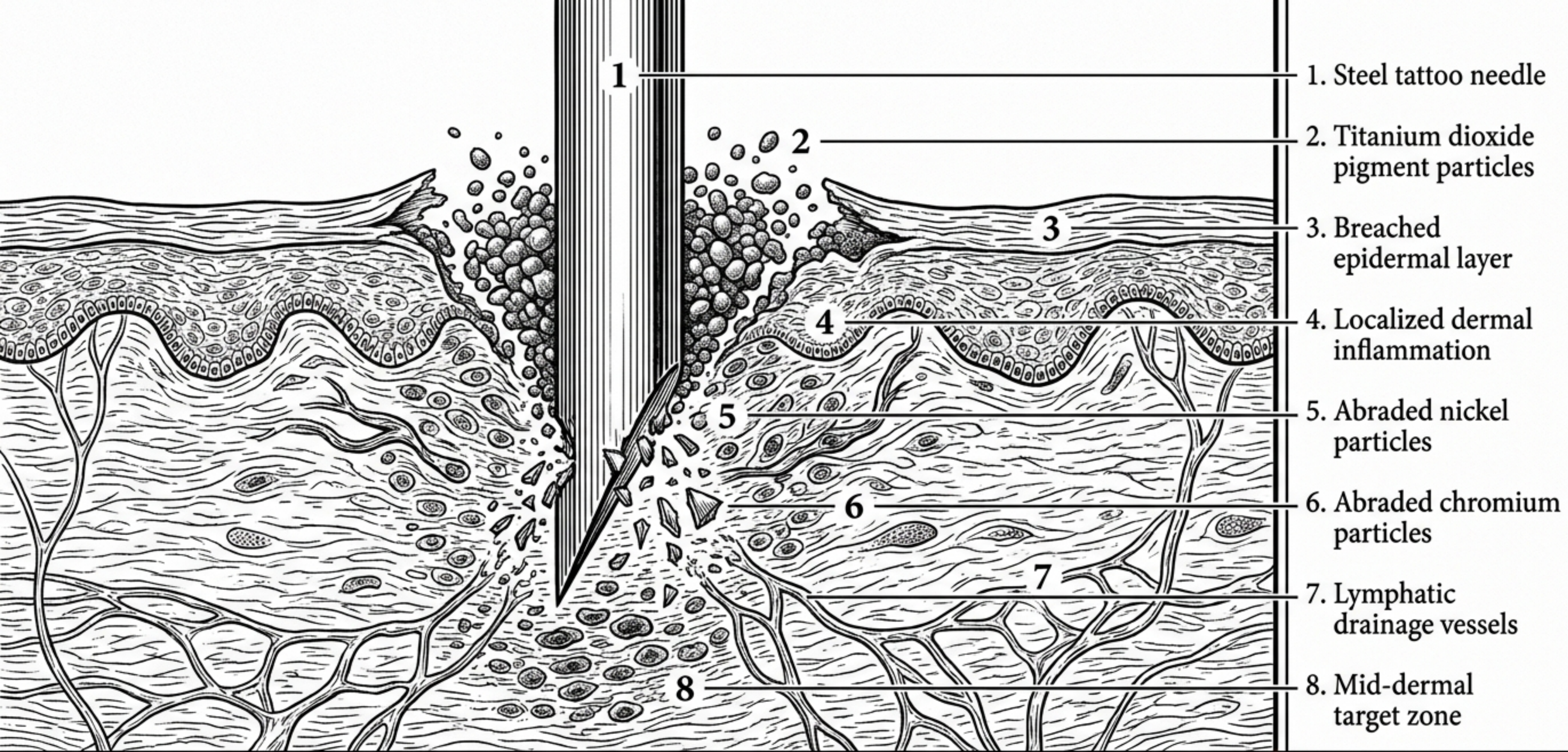




Titanium dioxide pigments mechanically abrade nickel and chromium from steel needles during insertion.

PARTICLE ABRASION AND LYMPHATIC MIGRATION