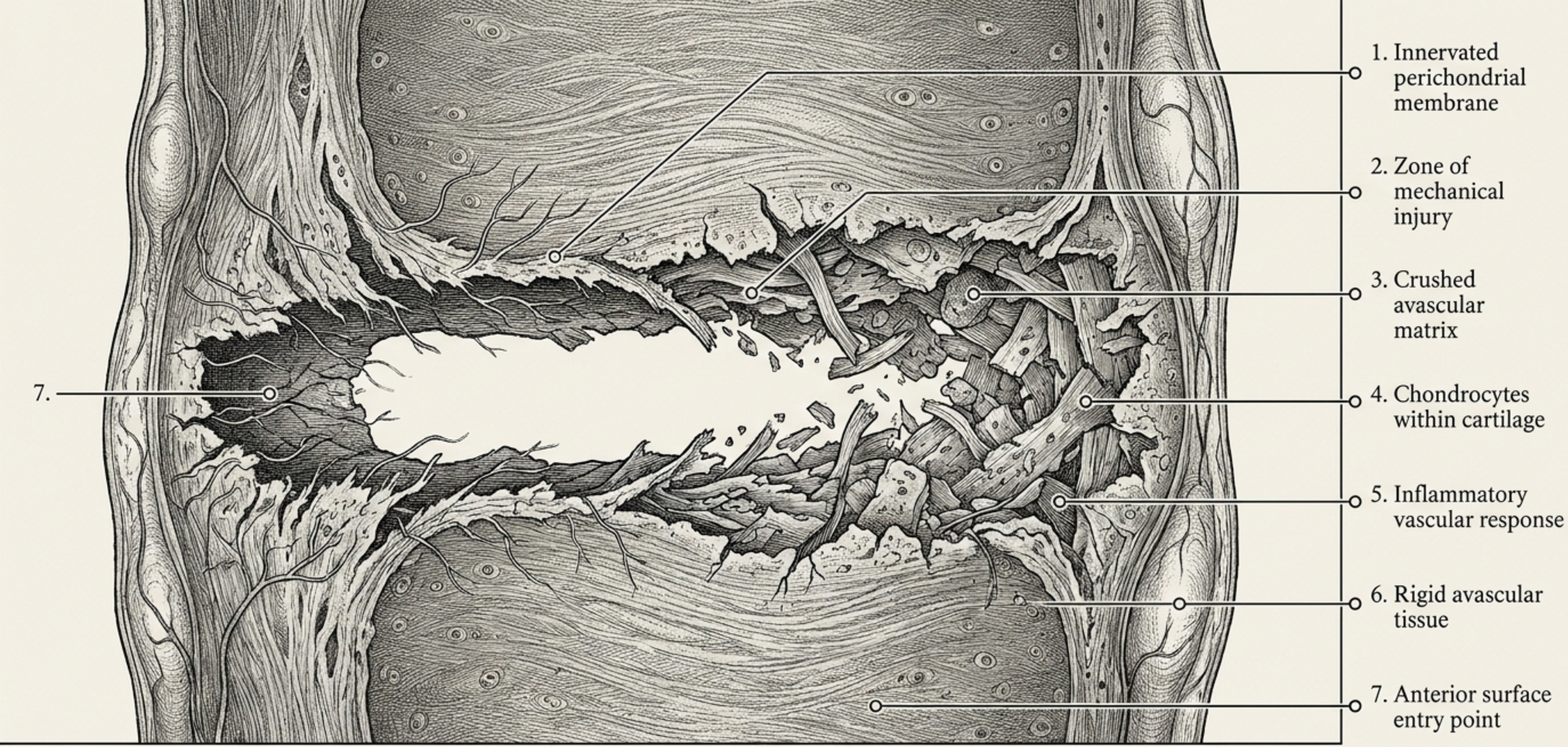


The needle crushes the avascular matrix, creating a mechanical injury zone without blood vessels.

CARTILAGE PUNCTURE DYNAMICS