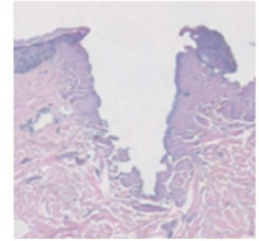
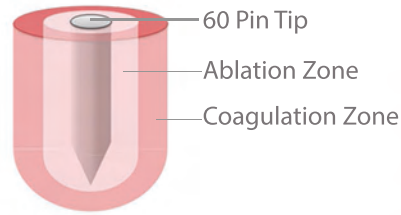


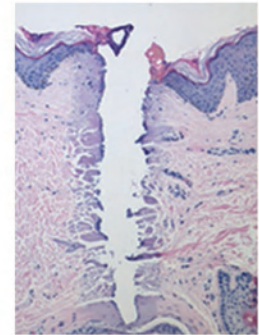
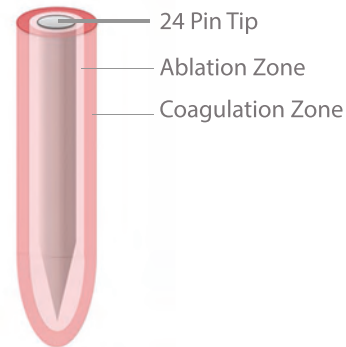
Penetration Depth:

The depth of penetration is mainly caused by pin length, not energy. The maximum depth of any pin can be reached at the lowest energy setting (5mJ/pin). Therefore, by increasing the energy, we are actually increasing the coagulation zone around the pin. Increasing the energy does not significantly increase penetration depth. Fractora causes 4 types of effect on the dermis: mechanical damage created by pin penetration, tissue ablation around each pin, coagulation in the periphery of the ablation zone and sub-necrotic bulk heating of the skin.

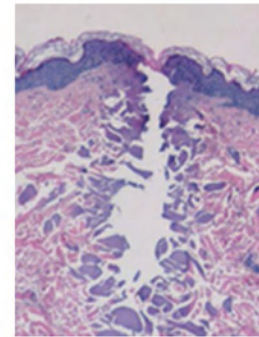
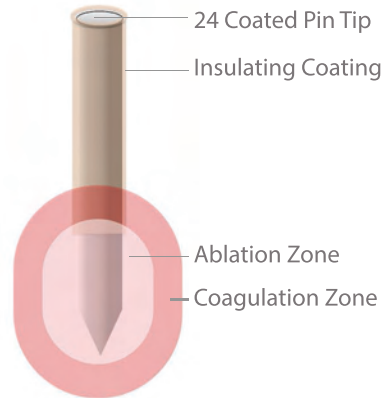
60 Pin Tip



24 Pin Tip



24 Coated Pin Tip



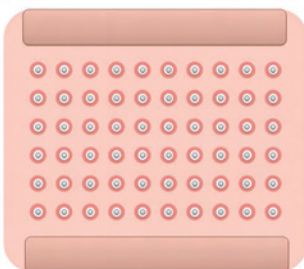
Mechanical Damage:

Mechanical damage is caused by pin penetration, creating an injury zone to the dermis of about 150 microns in diameter.

Ablation Zone:

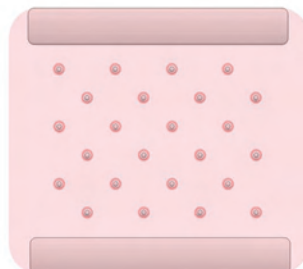
The RF energy heats the surrounding tissue to a very high temperature causing tissue evaporation, forming an ablation crater. The crater becomes larger as the energy increases.

60 Pin Tip



High density tip.

24 Pin Tip



Low density tip.

24 Coated Pin Tip

