LASER DERMABLATOR AND DERMABLATION

ABSTRACT

A laser system (called a UV Dermablator) and method that enables a clean, precise removal of skin while minimizing collateral damage to the skin underlying the treated region. The depth of ablation can be controlled via feedback from the physiology of the skin, namely the infusion of blood into the area of excision when skin has been ablated to a sufficient depth to produce bleeding. A second laser (820), such as a uv light source with a different wavelength, to penetrate the blood, heating it sufficiently to coagulate the blood. Other features provide precise control, permitting the epidermis (920) to be removed down to the papillary dermis, following the undulations of the papillary dermis. Fig 9