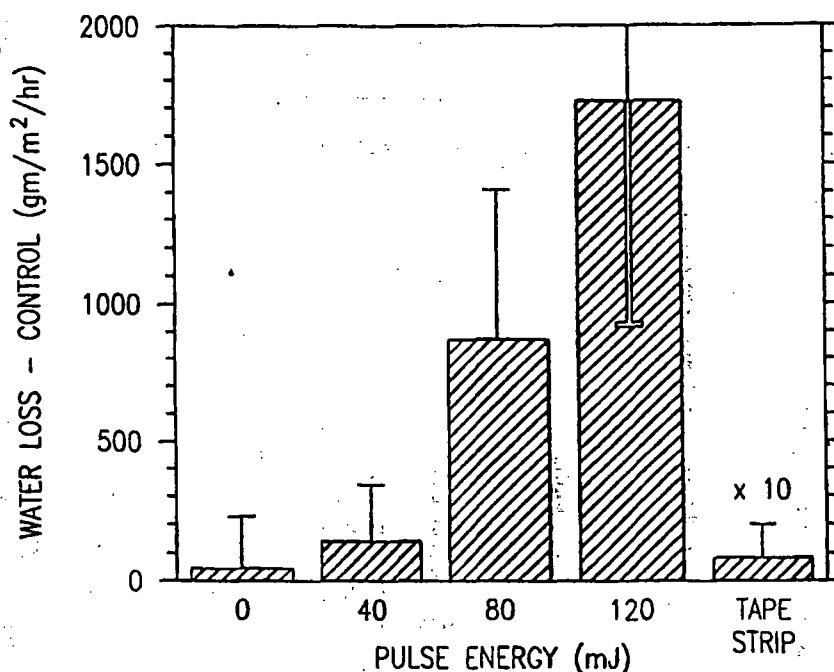




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(54) Title: LASER ASSISTED TOPICAL ANESTHETIC PERMEATION



READINGS ARE DIFFERENCES FROM SEPARATE CONTROLS ON CONTRALATERAL ARM

(57) Abstract

The present invention provides an improved method of administering a pharmaceutical composition, such as an anesthetic through the skin of a patient without the use of a sharp or needle. This method includes the step of irradiating the stratum corneum of a region of the skin of the patient using a laser. By a selection of parameters, the laser irradiates the surface of the skin precisely to a selectable depth, without causing clinically relevant damage to healthy proximal tissue. A pharmaceutical composition is then applied to the region of irradiation.

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