

LUTRONIC'S ENCURVE™

Lutronic and dermatologist Nark-Kyung Rho describe how to use Lutronic's EnCurve™ to create great curves with hands-free selective apoptosis

LUTRONIC'S ENCURVE™ device acts through the mechanism of impedance-induced heating: the higher the impedance of the tissue, the greater the heating effect. One potential drawback of this type of technology is the impedance or resistivity changes between patients, or even in the same patient, through natural processes, such as respiration and movement. EnCurve overcomes this limitation through its unique Personalized Impedance Synchronization Application (PISA), which provides real-time feedback, sensing changes in impedance and automatically selecting the optimum parameters to maintain the ideal temperature of the adipocyte, which is around 45°C.

The perfect frequency, tuned to adipocytes

EnCurve delivers deep-reaching energy at a frequency of 2712 MHz, a frequency which is specifically tuned to the impedance of adipocytes and fat compared to other tissues, causing intracellular molecular friction that gently heats up the cells to around 45°C, which induces programmed cell death, or apoptosis. The adipocyte membranes denature, allowing the captive lipid droplets to escape into the extracellular matrix, where both the free lipid and cellular debris are naturally removed through phagocytosis via the macrophages. The heating also stimulates macrophage activity, which further speeds up the process of removal.

The perfect applicator, adjustable to contours

With the patient positioned comfortably in a supine position, the EnCurve applicator can be positioned

“The EnCurve applicator can be positioned over both the abdomen and flanks at the same time, providing a hands-free procedure”

over both the abdomen and flanks at the same time, providing a hands-free procedure over the entire area in one

session; making it an easy treatment to administer. Because the EnCurve is never in direct contact with the skin, no heat is transferred directly to the epidermis, and a gentle breeze from the Air Mode keeps the skin over the target area perspiration free for additional safety.

Dr. N.K. Rho of Leaders Aesthetic Laser & Cosmetic Surgery Center, states 'EnCurve is unique. Unlike other non-minimally-invasive fat reduction devices, it is both contactless and pain-free. The applicator is easy to

handle and wide enough to cover the whole abdomen and flanks, thus possibly making it one of the quickest body-contouring devices on the market. Its Personalized Impedance Synchronization Application is very helpful because I am treating people with various body shapes and fat types. EnCurve is patient and physician friendly, as well as the most cost and time effective body contouring device until now.'

EnCurve: a new generation of intelligent adipocyte-targeting systems to ensure great curves with maximum comfort for the patient, and minimum stress for the operator. 



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