Non-Invasive Scizer Comfortably Melts Subcutaneous Fat

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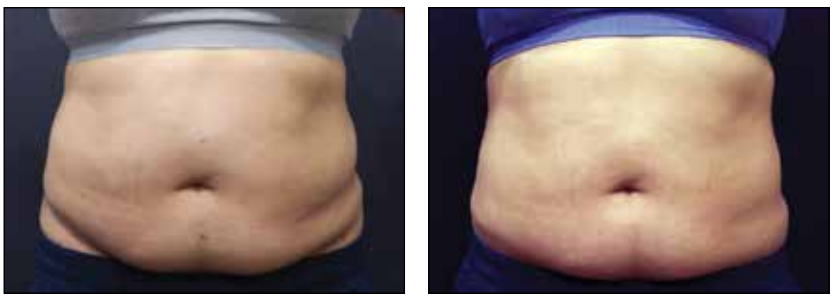
Scizer from Classys, Inc. (Seoul, South Korea) combines the power of 2 MHz macrofocused scanning ultrasound (MSFU), with state-of-the-art intelligent cooling to melt subcutaneous adipocytes without damaging the epidermal barrier, for maximum safety and efficacy. Its linear scanning technology, harnessed for use with ultrasound, delivers the necessary energy in a remarkably consistent and reproducible manner for recontouring areas such as the abdomen, flanks or thighs with minimal discomfort for patients of any skin type.

According to Adrian Lim, M.D., a dermatologist at Royal North Shore Hospital in Sydney, Australia, it takes a lot of energy to permanently disrupt fat cells. "Scizer's uniform linear scanning technology not only delivers ultrasound energy at precise depths, it allows for the accumulation of therapeutically adequate levels of energy, which carefully elevates subcutaneous tissue temperature to between 65° C and 70° C, to destroy fat cells, without sedation or analgesia. "But the key to patient comfort is the built-in intelligent cooling system," he added. "Contact Cooling Control is coordinated with energy delivery to protect skin and surface tissue structures, focus thermal effect at the target depth, and minimize the perception of pain." Detailed demonstration of Scizer outcomes and its mechanism of action have been reported in scientific literature.[1]



Before and after Scizer treatment
Photos courtesy of Adrian Lim, M.D.

A typical course of Scizer treatment is three sessions at monthly intervals, Dr. Lim noted. "Some patients may require additional sessions for a greater result, or will wish to treat other body areas," he said. "Maintenance is not usually needed because this type of fat reduction is likely to be permanent, as long as patients adhere to a healthy lifestyle. Fat cells are destroyed by necrosis, which is irreversible cell death, and generally do not repopulate in number, although remaining adipocytes can still enlarge with excessive caloric intake."

Outcomes begin to manifest soon after the first session. "There may be some initial mild swelling and bruising, which resolves predictably," Dr. Lim continued. "Real improvement in contour will be noticeable by the third or fourth week, with subsequent applications leading to progressive improvement in contour and reduction in circumference." One of the best aspects of Scizer treatment is the natural look of the result, created by the diffusion of energy and the way the body responds as it removes fat and cellular debris. We see noticeable fat reduction without evidence of imprints, divots or uneven contours."

The 9 mm and 13 mm spot size cartridges improve coverage and treatment speed, but there are other advantages as well. "Scizer is not only effective and well tolerated, enabling flexible and personalized targeting of different body areas, it is fast, with procedure times of about two minutes per area," Dr. Lim reported. "Scizer is safe and predictable enough for use by ancillary staff rather than the physician, and patients enjoy the hands-on attention of staff during therapy. In addition to being tolerable, the procedure itself is clean and efficient because no topical anesthesia or sticky contact facilitating gels are required. Furthermore, since Scizer does not employ a laser, no special laser certification/licensing or goggles are required."

Reference:

1. Kwon TR, Im S, Jang YJ, *et al. Improved methods for evaluating pre-clinical and histological effects of subcutaneous fat reduction using high-intensity focused ultrasound in a porcine model. Skin Res Technol* 2016;0:1-8