

UltraPulse ActiveFX and DeepFX Deliver Significant Results with One Tx

By Amy Kamin, Contributing Editor

Using ActiveFX™ and DeepFX™, physicians can now customize treatment to meet individual patient needs. Both treatments utilize Lumenis' (Santa Clara, Calif.) UltraPulse® device which has maintained its popularity among physicians by offering fractional treatments. Physicians have been particularly pleased with the results offered by ActiveFX, an effective single treatment procedure, and the more recently introduced DeepFX, which has created additional excitement with its performance and results.

In the past, the ultimate modality for the correction of photo-aged skin was traditional laser resurfacing. However, this procedure was often associated with prolonged downtime. Today's patients are concerned about the necessary downtime required with aggressive procedures. "They prefer procedures that require fewer treatments with better results," said Dore J. Gilbert, M.D., an assistant clinical professor of dermatology at the University of California, Irvine. ActiveFX and DeepFX are new single-treatment procedures for dyschromias, wrinkles and scars, using fractional technology to reduce patient downtime.

ActiveFX is best used to treat surface dyschromias and fine lines, while DeepFX targets deep collagen remodeling, wrinkles and scars. Both treatments utilize fractional technology,

which leaves bridges of healthy tissue in tact to accelerate the healing process. Dr. Gilbert is excited about this new approach with proven technology. "We have been able to treat a significant number of patients who weren't treated before this because they couldn't devote the required downtime. I am very excited. We know that it works, patients see that it works and they get maximum results."



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ActiveFX and DeepFX use computer generated scanners that treat only a controlled fraction of the skin's surface. This process allows the doctor and patient to be proactive in determining the amount of downtime based on the type of condition and area being treated. Effected outer layers of the skin are removed, while healthy skin is left untouched, stimulating new collagen growth. Up to 95% of the tissue can be left intact and within this intact tissue are zones of coagulation. These zones create the collagen stimulating effect from ActiveFX and DeepFX treatments. According to Dr. Gilbert, "You need heat in the dermis to stimulate collagen production by fibroblasts while at the same time minimizing tissue damage so the patient heals better."

ActiveFX can successfully treat a wide-range of conditions associated with the aging process. The advantage of this modality is its ability to eradicate superficial damage such as dyschromias, fine lines and wrinkles and improve the overall texture of the skin. This popular procedure requires only three to five days of downtime and produces significant results with just one treatment.

DeepFX is designed to treat conditions that have a dermal component. These include heavy lines, deep lines around the eyes, periorbital wrinkles, acne scars and deep wrinkles. With

Photos courtesy of Robert Weiss, M.D.



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ablative zones that can reach 2 mm in one pulse, this device stimulates deep dermal collagen remodeling and neocollagenesis. “DeepFX has proven to be beneficial for the treatment of periorbital wrinkles, similar to deep resurfacing,” said James Heinrich, M.D., F.A.C.S., a facial plastic and reconstructive surgeon in Mission Viejo, Calif. “We have already seen more wrinkle reduction in the patients that we have treated. Patients feel that it has been awesome. I believe that it is the best thing I’ve purchased for my practice so far.”

DeepFX’s spot size is a narrow 120 μm which allows the doctor to increase the depth without increasing

the downtime. Another benefit of the technology is its ability to cause immediate tissue contraction. “In some cases we have seen some tissue contraction with the deep penetration and on higher energy levels,” Dr. Gilbert noted. Additionally, the DeepFX is a single-pass procedure, unlike the multi-pass protocols for other fractional technologies, which is appealing to physicians. With DeepFX, there is a minimal consumable cost, unlike other fractional technologies. Systems with high consumable costs cut into the revenue achieved for each treatment. According to Dr. Gilbert, doctors don’t support many companies who use high consumables as a business model.



James Heinrich, M.D., F.A.C.S.
Facial Plastic and Reconstructive Surgeon
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Dr. Gilbert reported that both he and his patients are very satisfied with both the ActiveFX and DeepFX treatments. “I am always honest with my patients about the results that I can deliver and have been able to achieve significant improvement of the fine lines, photodamaged skin and acne scars.” Furthermore, his patients benefit not only from the immediate effects of the treatment but they continue to experience

improvement for months after, which should last for several years.

Doctors have also come to appreciate the added ease of combining ActiveFX and DeepFX in a single treatment since they both work off of the UltraPulse platform. Dr. Gilbert also stressed the importance of being able to target both the deep and superficial layers in one treatment. It is more efficient and beneficial to both the physician and patient.

According to Dr. Gilbert, with the UltraPulse there is no mystery, it just works. It not only provides immediate benefits, but those that continue for months after. Dr. Heinrich added, “Today everyone wants less wrinkles and more even skin tone. Good results are no longer acceptable, everyone wants great results and the UltraPulse with ActiveFX and DeepFX delivers.”

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Photos courtesy of Matteo Tretti Clementone, M.D.



Before Tx

Six months after DeepFX and ActiveFX Tx