

BioCell's Subablative Laser Achieves Impressive Dry Face Peel Without Pain

BY BOB KRONEMYER, ASSOCIATE EDITOR

According to clinical researchers, the MediDerm Laser by BioCell (Austin, Texas) offers results that are far beyond microdermabrasion and faster and more controlled than a chemical peel, or old laser technology – but without any appreciable pain or downtime. The MediDerm employs a controlled energy (less than 1 joule) Erbium:YAG solid-state laser that delivers light energy at the 2940 nm wavelength.

“This handheld laser appears to have greater penetration compared to traditional microdermabrasion,” said Neil Sadick, M.D., a clinical professor of dermatology at Weill Medical College of Cornell University in New York City. “The procedure is also painless. Occasionally though, patients will end up with a little bit of desquamation for a day or two.”

Dr. Sadick conducted a full-face study of ten patients involving histology and digital photography in 2005. All ten patients received only one treatment session with the MediDerm Laser and were monitored immediately post treatment, as well as five days and ten days after treatment. Improvement was measured by the patient, the principal investigator and a blinded investigator. Five of the patients received a biopsy pre- and post treatment. The results demonstrated that the patients skin was tighter, smoother and brighter after just one treatment. Biopsies revealed penetration of approximately 25 to 45 microns depending on power. At five days post treatment, an alteration in the elastic tissue and a thickening of collagen bundles in the papillary dermis consistent with early dermal remodeling was noted.

The MediDerm power settings are clinically derived optimal fluences. The high setting is the deepest peel possible while still yielding a dry peel with no blistering, no oozing and no bleeding. The low setting is the lowest power while still yielding a very light superficial dry peel. And, the medium power setting is the midpoint yielding a medium dry peel. “This technology, as confirmed by the histology, is helpful for skin turnover as well as potentiating new collagen leading to plumper, smoother, and more uniform healthy skin.” Furthermore, post treatment photos show a “decrease in the appearance of fine lines and wrinkles.” A copy of this study is available from BioCell.

Christopher Moeller, M.D., director of The Skin Enhancement Center in Wichita, Kan., purchased the



MediDerm because it is “a beautiful laser tool to use on people who desire a very light laser peel instead of a deep laser peel. It is certainly more aggressive than standard microdermabrasion or a light chemical peel. But it is not as aggressive as the old CO₂ laser resurfacing or Erbium:YAG lasers. And because the MediDerm is a subablative laser, it actually removes the outer layers of the skin. Since it is a lighter approach, patients do not have any downtime. There may be a little redness of the skin for one week.” Dr. Moeller recommends a series of three to four treatments, spaced three to four weeks apart.

“Patients can expect improvement in fine lines,” said Dr. Moeller, a clinical assistant professor in internal medicine at the University of Kansas School of Medicine in Wichita. “Treatment also helps smooth out the outer layer of the skin. The MediDerm laser can also lighten, and sometimes completely remove lentiginos. In addition, treatment can help with minor imperfections of the skin and signs of sun damage.”

The flexible and lightweight MediDerm is easy to maneuver around the face. The MediDerm's top speed is 9 Hz with a spot size of 5 mm allowing fast full-face treatments. Furthermore, the MediDerm is a true 5 mm laser spot that does not use any lens manipulation to achieve its spot size. The MediDerm delivers a more even treatment without hot spots or treatment rings. “We use no topical anesthetic cream and patient discomfort is extremely minimal based on the setting the patients choose,” Dr. Moeller said. ■

T H E W O R L D ' S F I R S T

Painless Subablative Laser

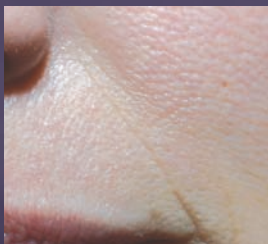
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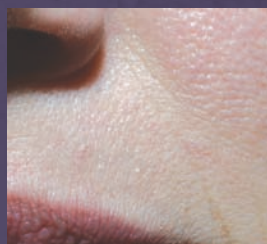
MediDerm®, the first true laser to deliver a face peel with no downtime and no pain, has significant advantages over more invasive treatment options:

- Virtually Painless
- Controlled Dry Peel (*No blistering, No oozing, No bleeding*)
- No Downtime, like chemical peels or old laser technology
- **Immediate visible results**
- A FULL FACE PEEL in less than 30 minutes
- ROI in months
- Virtually maintenance free

The groundbreaking, patented MediDerm® Laser (true collimated light beam with no lens manipulation used) is also one of the most affordable lasers on the market. More results than microdermabrasion, and less invasive than a strong chemical peels or surgical intervention. You can recoup your total MediDerm® investment in only a few months! Most patients will elect a MediDerm® regimen of 3 or 4 treatments a year to maintain tighter, smoother, younger looking skin.



Before



After

Exclusive U.S. and World Distributorships are now available for BioCell's MediDerm® Laser. The "Dry Face Peel Pioneer".

Contact Bob Ellis at **1.508.341.3835** for more information.
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