LASER MEDICINE. NEWS

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Issue 01 /26
Topic Aesthetic

TOP NEWS

LipoLas® and LaEvita™ – Minimally Invasive Laser Therapies in Aesthetics

With LipoLas® and LaEvita™, biolitec® offers two state-of-the-art platforms for the entire spectrum of minimally invasive aesthetic laser treatments. Both systems combine cutting-edge diode laser technology with leading fiber expertise, thereby ensuring proven maximum precision, safety, and clinical flexibility.

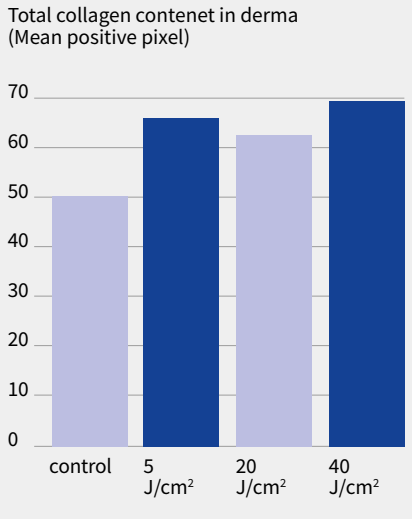
The LEONARDO® laser, operating at 980 nm and 1470 nm, represents state-of-the-art laser technology and opens up new possibilities for gentle, precise lipolysis and tissue tightening. Through targeted energy absorption in water and fat, controlled thermal denaturation is achieved, which reduces subcutaneous fat deposits while simultaneously tightening the skin. The procedure is suitable for the chin, neck, abdomen, waist, thighs, hips, knees, upper arms, and other localized fat deposits throughout the body.

LipoLas® LaserLift enables tissue tightening and neocollagenesis, particularly in the lower and middle thirds of the face, through a minimally invasive procedure.

LaEvita™ complements the portfolio with applications for female intimate health. A recent study by Vitale et al. (2024)[1] on LaEvita™ laser therapy showed remarkable results in patients with symptoms such as vaginal dryness, pain, and impaired sexual function. The results demonstrated an improvement in symptoms of approximately 50 %, which provides significant relief for patients and markedly enhances their quality of life. The LEONARDO® platform offers numerous expansion options, such as the Derma handpiece. This allows for the treatment of conditions such as telangiectasia and couperose. Together, the LEONARDO® platform provides a comprehensive concept for modern, minimally invasive aesthetics. International research confirms the benefits of laser lipolysis and minimally invasive fiber-based procedures. An in vivo pilot study by Bollero et al. (2025) published in Laser Therapy demonstrated that subdermal treatment with a 1470 nm diode laser increases dermal thickness, promotes neocollagenesis, improves elastin fibers, and thereby supports skin tightening.[2]

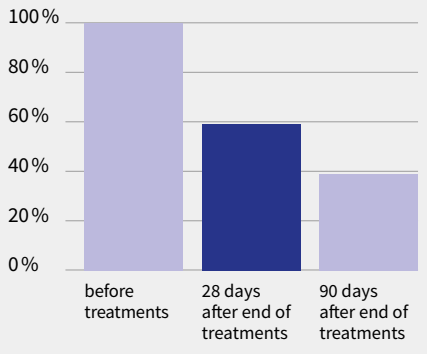
The study by Kubik et al. (2025)[3] on the 1470 nm diode laser in non-ablative applications demonstrated significant efficacy in the treatment of acne scars, achieving an average reduction of up to 62 % in diameter and 63 % in depth after 90 days. The mechanism of action is based on targeted thermal stimulation of the tissue with collagen regeneration while preserving the epidermis, which ensures high safety and good tolerability. These results form the basis of the modern LaserLift—for natural results with high safety. Compared to surgical and radiofrequency-based procedures, LipoLas® and LaEvita™ offer decisive advantages: minimally invasive approaches without large incisions promote rapid healing and minimal downtime. The LipoLas® fibers ensure precise thermal control, as well as simultaneous fat reduction and tightening – for more natural results without overtightening. Defined absorption profiles enhance safety, and the modular portfolio covers a wide range of aesthetic indications. Given the trend in healthcare toward minimally invasive, outpatient procedures and natural results, minimally invasive laser therapy is gaining increasing importance in aesthetics. LipoLas® and LaEvita™ are setting new standards in this field.

Quantification of total Collagen in Biopsies from Skin, untreated (control) or 3 Months post-treatment with 5, 20 or 40 J/cm²



Bollero, D. et al.: In vivo polit study of the effects of a subdermal 1470 nm diode laser on human skin; Laser Therapy Vol. 32 No. 1 (2025); https://doi.org/10.4081/ltj.2025.422

Reduction in scar diameter (%)



https://doi.org/10.2147/ccid.s510208

1. https://doi.org/10.1007/s12325-024-03004-7
2. https://doi.org/10.4081/ltj.2025.422
3. https://doi.org/10.2147/ccid.s510208

EDITORIAL

LipoLas® and LaEvita™: The Future of Minimally Invasive Aesthetic Laser Medicine

FLORIAN SCHUART
Global Product Manager Aesthetics

Dear readers,

Welcome to the latest edition of Lasermedicine.News – this time with a focus on aesthetics. With LipoLas® LaserLift and LaEvita™, we offer therapies in the growing market of modern, scientifically based aesthetic laser medicine. Minimally invasive, safe, and reproducible procedures are the future of skin and tissue treatment. Our aesthetic laser platforms draw on decades of experience in surgery, dermatology, and vascular applications.

As the world's leading developer of medical diodelaser and fiber technologies, we stand for innovation, excellence, and safety. Our expertise in laser sources, energy-efficient fibers, and precise application systems creates evidence-based, effective, and user-friendly solutions for physicians and patients – from controlled laser lipolysis over vascular indications to gentle skin tightening.

As the next generation of aesthetic laser systems, LipoLas® LaserLift and LaEvita™ offer maximum performance, modular expandability, offer maximum performance and modular expandability for future requirements. We build trust by combining clinical excellence and economic efficiency – for a modern medical practice with optimal results.

In this issue, you will learn everything about our technologies in aesthetic medicine, studies and evidence on the effectiveness of laser lipolysis and skin treatment, as well as upcoming innovations for the aesthetics of tomorrow.

Discover the latest highlights in aesthetic laser medicine with us.

Kind regards
FLORIAN SCHUART

INTERVIEW

Minimal Incision, Maximum Contour – the Potential of LipoLas® LaserLift

Dr. Nicole Caroline Haas

Dr. Nicole Caroline Haas, M.D., is a specialist in plastic and aesthetic surgery with a focus on body contouring procedures, breast, and facial surgery. She practices in her own private practice in the heart of Munich and serves as an affiliated physician at the IATROS Clinic.

What advantages and combination options does LipoLas® LaserLift offer in aesthetic medicine?

I have been working with the LEONARDO® laser system for two years and previously gained experience with other energy-based devices. Laser tightening is highly effective and precise, especially when compared to plasma systems. The portable LipoLas® LaserLift system significantly expands the range of treatments: with fine probes, such as the 400-µm fiber, even sensitive areas such as the face, neck, or eyelids can be treated in a targeted and minimally invasive manner. I also achieve very good results on upper arms with slight excess skin and in the pre-axillary region.

Laser tightening at 1470 nm is particularly suitable for patients with slight skin slackening and without significant excess fat. I often combine it with liposuction, combining 1470 nm with 980 nm for the lipolytic effect. This leads to better results and higher patient satisfaction. On the face, I also use biostimulators such as polylactic acid as needed to further support the collagen regeneration already stimulated by LipoLas® itself. The procedure is usually performed on an outpatient basis under local anesthesia with minimal downtime.

LipoLas® LaserLift is ideal for patients aged 30 to 50 with beginning signs of skin aging and realistic expectations, who do not yet require surgical lifting. The method effectively improves contours and tightens the skin. I am familiar with the tissue reaction and therefore now work specifically with higher energies than I did when I started – but always with caution, because undercorrection is easier to correct than overcorrection. I adjust the energy to the probe size: larger diameters allow for higher energies due to greater dispersion.

How does LipoLas® LaserLift differ from surgical procedures and how satisfied are patients?

The advantages of LipoLas® LaserLift lie in its safety and efficiency – especially for patients for whom major surgical procedures are not an option, e.g., due to pre-existing conditions, or who consciously do not want surgical intervention. Other convincing factors include the short treatment time, minimal downtime, and lower costs compared to traditional facelifts.

Low energy (2–4 watts) is used while slowly and evenly retracting the fiber, which is particularly gentle on the tissue. Thanks to minimal incisions and local anesthesia, the procedure can be performed safely on an outpatient basis and can also be repeated if necessary. Patients appreciate LipoLas® LaserLift because of its natural results and improved skin quality. Unlike fillers, which add volume, LipoLas® LaserLift stimulates the body's own collagen production, enabling lasting tightening and structural improvement of the skin – without foreign substances and without the risk of overcorrection.

So the immediate effect achieved by thermal contraction is further enhanced in the following months. Skin aging is slowed down. The skin renews itself, its appearance improves significantly, and natural-looking aesthetic results are achieved in the long term. The skin becomes firmer, which is confirmed by photo documentation and standardized evaluation. After twelve months, 95 % of patients are very satisfied, and with follow-up treatment, almost all of them are.

Where do you see limitations or contraindications for LaserLift?

LipoLas® LaserLift reaches its limits in cases of pronounced jowls, severe excess skin on the neck, or advanced sagging – in these cases, additional surgical facelifting is indicated. It is important to have realistic expectations. Ideal patients are between 30 and 60 years of age with slight jowls or double chin. As far as the eyelid regions are concerned, LipoLas® LaserLift is particularly suitable for pure excess skin, not for fat herniation or involvement of deeper tissue layers. A surgical procedure is necessary in these cases. Precise indication is therefore crucial for good results.

With Ozempic® patients, it is crucial to explain that LipoLas® LaserLift improves skin quality but may not fully restore the volume-based firmness that existed before the therapy. It is therefore advisable to combine it with collagen stimulators or subsequent lipofilling, whereby the laser and fat transfer must be used one at a time due to the lipolytic effect of the laser. Contraindications for LipoLas® LaserLift include pregnancy (due to local anesthetics), collagenoses, and tissue-weakening immune diseases (e.g., lupus). Caution is advised in cases of microangiopathy (diabetes, smokers); blood thinners should be paused.

What tips do you have for colleagues, and how do you see the future of lasers in aesthetic medicine?

The safe use of LipoLas® LaserLift requires specific training – both in terms of the device (parameters, technique) and medical aspects (advice, anatomical safety). Energy settings and fiber guidance are crucial: beginners should start with smaller probes and lower energy levels, as this allows for more targeted energy application with less diffusion. For larger areas, higher energy levels and larger probes are useful in order to utilize the desired dispersion effect. On the face, fine probes (e.g., 400 µm) and moderate energy levels are most effective. When guiding the probe, I tilt the probe tip slightly downward at an angle of about 10° instead of pulling it back linearly. This allows deeper layers to be reached and avoids superficial irregularities.

Lasers are becoming increasingly important in aesthetic medicine because they achieve natural results with minimal invasiveness and improve skin quality in the long term. Unlike fillers, which only conceal, lasers enable genuine biostimulation and sustainable tissue regeneration. This makes them an attractive option for patients who want to avoid surgical procedures.

> **"LipoLas® LaserLift is suitable for a wide range of indications. The simple and safe procedure can be used for both larger combined procedures as well as smaller outpatient treatments and ensures a very high level of patient satisfaction."**
>
> Dr. Nicole Caroline Haas

EXPERT ARTICLE

Ozempic Face and Ozempic Body: Skin Laxity, Volume Loss, and the Role of LipoLas® LaserLift

Dr. Cemal Kavasogullari

The term "Ozempic Face" first gained widespread attention through media and social platforms, used to describe the hollowing, volume loss, and skin laxity observed in patients undergoing rapid weight loss with GLP-1 agonists such as Ozempic®. While initially informal, it has since evolved into a clinically recognisable pattern. Here, aesthetic physician Dr. Cemal Kavasogullari, who leads clinics in Glasgow and London and is a global Key Opinion Leader in energy-based devices, expands this concept to include both facial and body changes, framing "Ozempic Face and Ozempic Body" as a broader aesthetic presentation requiring a structured, tissue-focused treatment approach.

Dr. Cemal Kavasogullari

The terms "Ozempic Face" and "Ozempic Body" describe the characteristic aesthetic changes observed following rapid weight loss induced by GLP-1 agonists. These changes are driven by a combination of volume depletion and reduced skin elasticity, often presenting as accelerated or premature ageing of both the face and body. In many patients with a background of metabolic dysfunction, chronic hyperglycaemia contributes to glycation of collagen and elastin, weakening the dermal scaffold. When weight loss occurs rapidly, the skin's limited capacity for recoil becomes clinically apparent as laxity and tissue descent.

Clinically, the face is often the most visibly affected, with jowl formation, midface flattening, and loss of structural definition. However, the body is equally impacted, particularly in areas such as the upper arms, inner thighs, and peri-knee regions. Even with optimal lifestyle interventions, residual skin laxity frequently persists, highlighting a clear therapeutic gap. In response, the concept of an "Ozempic Lift" has emerged, centred on restoring skin quality and structural integrity rather than simply replacing lost volume.

Natural results in this cohort are fundamentally dependent on skin quality. In the presence of reduced elasticity, dermal fillers alone often lead to compensatory overcorrection, with progressive volumisation used to mask laxity, ultimately resulting in an unnatural or overfilled appearance. A more effective strategy is to prioritise tissue quality. LipoLas® LaserLift plays a central role by inducing neocollagenesis and neoelastogenesis, improving dermal integrity and creating a more stable foundation for any subsequent volumisation. This approach not only enhances aesthetic outcomes but also reduces filler requirements and lowers the risk of overtreatment.

LipoLas® LaserLift is particularly well suited for patients seeking a minimally invasive solution with limited downtime, especially in cases of mild to moderate laxity following weight loss. Its dual-wavelength approach – 980 nm for haemostasis and vascular control, and 1470 nm for targeted lipolysis and tissue contraction – enables efficient tissue remodelling with a favourable healing profile and predictable outcomes. Beyond immediate contraction, the procedure supports progressive neocollagenesis and dermal restructuring, making it especially valuable in patients with compromised skin quality.

From a clinical pathway perspective, it occupies a critical space between injectables and surgery, allowing practitioners to address laxity directly rather than compensating with volume. This not only improves aesthetic outcomes but also reduces the risk of overfilling and enhances patient satisfaction over time. The procedure can be performed under local anaesthesia, with minimal scarring and rapid return to normal activities, making it highly acceptable to patients who are not ready or willing to undergo surgical intervention.

From a business standpoint, LipoLas® LaserLift represents a scalable and strategically sound addition to the treatment portfolio. It addresses a rapidly growing patient demographic, integrates seamlessly with combination treatment plans, and creates opportunities for both standalone procedures and adjunctive use alongside injectables and other energy-based devices. In practices where a meaningful proportion of patients present with post-weight loss laxity, it can serve as a high-value, first-line intervention that delivers consistent, natural-looking results while maintaining a strong balance between cost, downtime, and clinical efficacy.

EXPERT ARTICLE

Laser-assisted Liposuction with LipoLas® Laserlift: Remodeling of the Dermal Connective Tissue

MD Steffen Giesse

MD Steffen Giesse founded the Estetic Lounge Ludwigshafen in 2011, a medical practice specializing in aesthetic medicine and surgery, where he offers modern and patient-friendly treatments. He has also been an active member of the GÄCD board for many years. He also acts as a lecturer at various national and international conferences.

MD Steffen Giesse

Since 2019, I have treated more than 2.000 patients at the Estetic Lounge in Ludwigshafen using laser-assisted liposuction with the LEONARDO® Laser LipoLas® LaserLift. Liposuction is a targeted method for treating unwanted body contours or fat deposits by removing stubborn fat cells that resist elimination through diet and exercise. The body is reshaped by suctioning excess fat from the affected areas. From a clinical perspective, laser-assisted liposuction offers clear advantages over conventional liposuction. The selective photothermal effect of the 980 nm and 1470 nm wavelengths results in efficient lipolysis while simultaneously coagulating small blood vessels, which significantly reduces intraoperative bleeding. Due to the laser's unique properties, the blood vessels close up, so bleeding is usually stopped immediately. The light energy from the fiber-optic diode laser, converted into heat, liquefies the fat tissue. Depending on the size of the area to be treated, this can be either metabolised or manually suctioned away. In addition, the thermal energy stimulates neocollagenesis and causes existing collagen fibers to contract, resulting in further skin tightening. During the treatment, laser energy is precisely directed at the target area, heating the outer layers of the skin and stimulating the underlying collagen fibers. Histological examinations confirm a remodeling reaction in the dermal connective tissue. Laser-assisted body contouring can be performed on most areas of the body with excess fat deposits. Clinically, this results in improved skin quality, including improved skin tone and elasticity, a reduction in fine lines and wrinkles, as well as the minimization of scars. Laser-assisted liposuction using the Lipolas® LaserLift improves the appearance of the skin and achieves a fresher, more youthful-looking skin tone, ensuring high patient satisfaction and reproducible, natural-looking aesthetic results. As a minimally invasive procedure, this method offers a gentler alternative to more invasive surgical procedures, as the trauma to the tissue is significantly reduced, resulting in virtually no postoperative discomfort. For this reason, recovery times are shorter than with other procedures, and accordingly, patients can resume their daily activities quickly.

Learn all about thigh rejuvenation using the unique wavelength combination of LipoLas® LaserLift – Scan the QR code to watch the video.

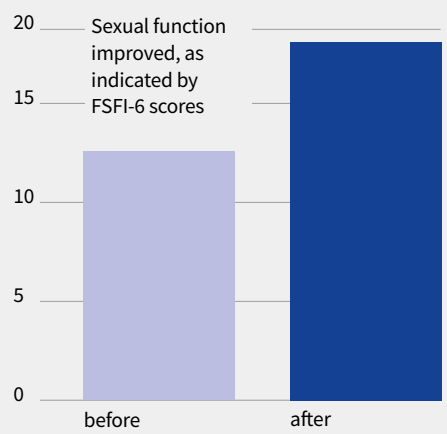
HOT TOPIC

The New Generation of Intimate Therapy – Safe and Effective

LaEvita™'s non-ablative diode laser therapy offers a modern, evidence-based solution for women with genitourinary syndrome of menopause (GSM). Based on dual wavelengths, this therapy provides a non-invasive option for vaginal rejuvenation. LaEvita™ is particularly suitable when hormonal treatments for GSM symptoms are not an option. The technology targets the collagen-rich layers of the vaginal wall, stimulates new collagen formation, and thereby improves the elasticity, moisture, and functional properties of the tissue – without the risks associated with ablative procedures.[1] A prospective study by the University of Milano-Bicocca showed that just three sessions led to significant improvements: The Vaginal Health Index rose on average from 12.2 to 15.4 points, while symptoms such as dryness, burning, and dyspareunia decreased significantly. Also noteworthy was the improvement in sexual function (FSFI 19), which increased statistically significantly across all domains. 73 % of the treated women reported a clear subjective improvement – and no patient experienced side effects. Current data from a second clinical study published in 2024 confirm these results: The VHI rose from 12 to 19.27 points over six months, and all GSM key symptoms improved significantly. Sexual function and quality of life also improved significantly. No side effects occurred – a decisive advantage over CO_2 or Er:YAG lasers.[2]
In addition, a clinical series involving 72 patients shows that targeted thermal treatment using a 1470 nm laser effectively improves vaginal tightening and leads to increased sexual sensitivity in 97 % of women. The treatments were performed on an outpatient basis, were virtually painless and free of complications.[3]
Thus, LaEvita™ is now a safe and effective non-hormonal and non-invasive option for women with GSM, vaginal atrophy, or functional laxity.

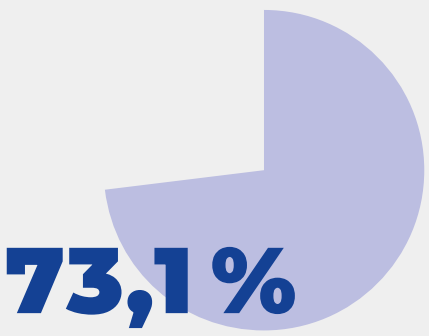
1. Barba et al.: Efficacy of a Diode Vaginal Laser in the Treatment of GSM; Bioengineering (2023); https://doi.org/10.3390/bioengineering10101158
2. Vitale et al.: Efficacy and Safety of Non-Ablative Dual-Wavelength Diode Laser Therapy for GSM; Advances in Therapy (2024): https://doi.org/10.1007/s12325-024-03004-7
3. Femopase G.: Laser-Controlled Vaginal Reduction; clinical series, 72 patients

Improvement of Sexual function after LaEvita™ Treatment



Vitale et al.: Efficacy and Safety of Non-Ablative Dual Wavelength Diode Laser Therapy for GSM; Advances in Therapy (2024): https://doi.org/10.1007/s12325-024-03004-7

Improvement of GSM Symptoms after LaEvita™ Treatment



73,1 %

of Patients report improvements

Barba et al.:Efficacy of a Diode Vaginal Laser in the Treatment og GSM; Bioengineering (2023); https://doi.org/10.3390/bioengineering10101158

2026 / Congress- and Workshop Calender

22. – 24.04.	143. DCK, Leipzig
23. – 25.04.	19. S-thetic Circle, Düsseldorf
24.04. **08.10.** **12.11.**	LipoLas® LaserLift Ästhetik Workshop Dr. Christos Koliussis, XK Aesthetics, Düsseldorf
06.05. **24.06.** **16.09.** **14.10.** **04.11.** **09.12.**	LipoLas® LaserLift Ästhetik Workshop MD Steffen Giesse, Estetic Lounge, Ludwigshafen
08. – 09.05.	12. Kongress der DGBT, Berlin
05. – 06.06.	35. Jahrestagung der DDL, Frankfurt
10. – 12.06.	Jahrestagung des SCS, Luzern
13.06.	GÄCD Facial Aesthetics Masterclass, Düsseldorf
03. – 05.09.	ESPRAS & Swiss Plastic Surgery, Bern
10. – 12.09.	56. Jahrestagung der DGPRÄC, Düsseldorf
25. – 27.09.	40. Jahrestagung der DGDC, Hamburg Eppendorf
09. – 11.10.	Tegernseekonferenz, Bad Wiessee
09. – 10.10.	Jahrestagung der DGAEPC & 5. GBAM, Rottach / Tegernsee
16. – 18.10.	Derm Alpin, Salzburg
13. – 14.11.	38. Jahrestagung der GÄCD – Ästhetik, Düsseldorf
03. – 05.12.	8. SOAP-Meeting – State of the Art in Plastic Surgery, Bremen

LEONARDO® – The Premium Platform for Aesthetics

LEONARDO® is the premium platform for aesthetics and sets new standards in aesthetic laser medicine. The combination of dual wavelengths of 1470 nm and 980 nm achieves an optimal balance of controlled energy delivery, high safety, and maximum tissue precision. The different absorption rates in water and fat enable simultaneous lipolysis and tightening, creating the basis for highly effective applications such as laser lipolysis, LaserLift, skin tightening, and vascular indications. Intelligent power control combined with particularly homogeneous energy distribution within the tissue ensures a high degree of safety, while modern diode technology guarantees maximum precision and the finest control in subdermal tissue. The concept of the LEONARDO® platform allows flexible expansion for a wide range of aesthetic applications. At the same time, the system impresses with its cost-effectiveness and efficiency, offering low operating costs and minimal maintenance requirements. Overall, the LEONARDO® platform represents a comprehensive solution for modern practices that value evidence, safety, and natural results.

Would you like to learn more about the topics in this issue of LASERMEDIZIN.NEWS?
Simply scan the QR code and fill out the online form.

LEONARDO® DUAL 45

LEONARDO® Mini 1470

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