

*endoscopic  
brow lift*  
procedure



using the

**endotine<sup>®</sup>**

*forehead*  
fixation device

*Lift your spirits™*

## What is a brow lift?

A brow lift, also called a forehead lift, surgically corrects drooping eyebrows and softens worried or angry expressions resulting from frown lines. During the procedure, commonly performed on men and women between the ages of 35 and 70, a surgeon elevates the skin and underlying tissues of the upper face, and may remove part of the muscle that causes frown lines between the brows. The result is a more youthful, relaxed and refreshed appearance.



## How will this procedure help me look more youthful?

As you know, the aging process and its effects vary greatly depending on genetics and lifestyle.

However, there are some common and predictable changes that most people will experience.

In general, aging around the eyes is exhibited in two areas: the eye lids and the eyebrow. The eyelid and the brow work together—like a frame around a painting—and their shape and location can have a big effect on the mood and attitude that you convey—regardless of how you actually feel.

Have you ever been asked if you feel tired, or if you are angry, when in fact you feel great? If so, it might be the case that your brows have fallen over time. The low position can give you that tired or angry look—a condition called *Brow Ptosis*. As the brow descends, it creates excess skin on the eyelid, making your eyes look puffy and older.

Sometimes just lifting the brow back to its youthful position can provide a natural rejuvenation effect that takes years off your appearance and appears to improve your mood. Rejuvenation of the eye requires your surgeon to evaluate your brow height and shape, your eyelid's position, and the degree of excess skin or skin laxity.



Before Endotine brow lift

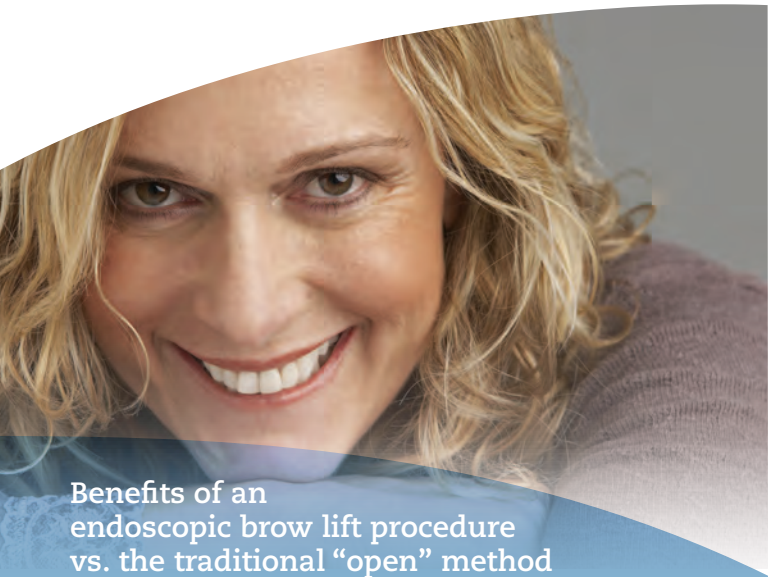


After Endotine brow lift

## Am I a brow-lift candidate?

If you have sagging eyebrows that create a tired, angry or sad appearance, deep horizontal creases across your forehead, or frown lines or furrows between your eyebrows, you may be a candidate for an endoscopic brow lift.

To get a glimpse of the potential results, you can try a simple test on your own. Place your fingertips at the outer edges of your eyebrows and gently raise the skin upwards. This will give you a good indication of what the procedure might do for your appearance. Of course, the best way to determine if an endoscopic brow lift is right for you is by a thorough consultation with your plastic surgeon.



### Benefits of an endoscopic brow lift procedure vs. the traditional “open” method

- *Smaller incisions, less scarring*
- *Less scalp numbness*
- *Reduced hair loss*
- *Less pain, swelling and bruising*

## How is an endoscopic brow lift performed?

**A**n endoscopic brow lift is a minimally invasive surgical technique performed using a tiny camera (an endoscope) connected to a video monitor. The endoscope is inserted into one of several tiny incisions placed just behind the hairline, providing the surgeon with a clear view of the muscles and tissues beneath the skin. The surgeon then inserts another instrument through another of the tiny incisions to lift and reposition the skin.



Once the brow and forehead tissues have been lifted to their new rejuvenated positions, the surgeon uses a small Endotine Forehead device to securely hold the tissue in place during the healing process. Endotine devices help simplify the surgical procedure and provide a broader range of adjustment for brow height and brow contour. Unlike conventional sutures, Endotine devices reduce tissue stretch during healing to help maintain the refreshed rejuvenated look that the surgeon achieved.

Endotine may also be used during a conventional “open” brow lift. In this procedure, an incision is made behind the hairline and above the ears and continues toward the top of the head. The surgeon uses this incision to release and elevate the brow and forehead, and may remove excess skin and muscle that causes wrinkling and frown lines.

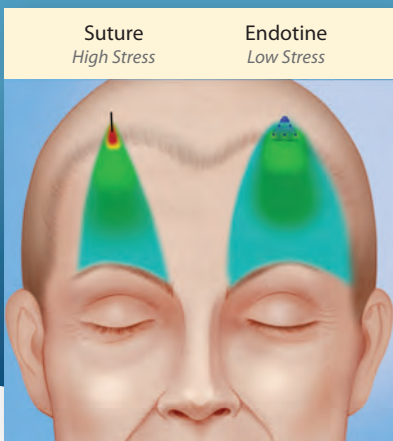
*“I am very pleased with the difference... I have fewer wrinkles and an overall smoother appearance. I feel very good about the overall results.”*

—Margaret, Age 42

*“I’m pleased my doctor used the Endotine Forehead device. I feel like the device is helping. I wouldn’t have had a brow lift unless it was endoscopic.”*

—Stephanie, Age 57

Endotine Forehead distributes tension over a wide area providing your surgeon with greater aesthetic control of brow height and shape.



A combination of endoscopic and open techniques may be used.

Because of the smaller incisions used in endoscopic surgery, patients usually experience less of the itching sensation and temporary scalp numbness felt by patients who have open surgery. In addition, patients who have an endoscopic brow lift may feel ready to return to normal activities sooner. In some cases, patients have returned to work in as few as three or four days. Typical return-to-work time is a week or two.

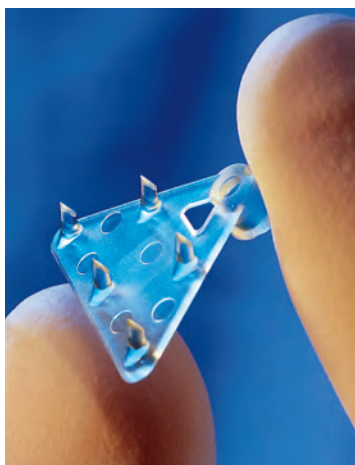
In either case, the procedure typically takes between one and two hours, and is usually performed in the surgeon’s office-based facility or an outpatient surgery center under intravenous sedation or general anesthesia.

## The Endotine Forehead solution for effective brow elevation

The Endotine Forehead device gives your surgeon the most advanced technology for endoscopic brow-lift surgery. The unique design uses multiple points of contact to securely hold tissue in its new, rejuvenated position. This is especially important during the critical early healing phase.

Typically it takes 30 to 60 days for the lifted tissue to reattach to the bone. After this time, the Endotine device gradually dissolves until it is completely absorbed by the body. Endotine implants are made from a substance called polylactic acid, which is produced from plant materials to create a bio-plastic substance that dissolves naturally and is absorbed by the body.

Unlike other options, such as screws or sutures that rely on a single point of contact, Endotine's multiple holding points spread the tension forces over a wide area. This reduces the possibility of tissue stretch or suture failure (pulling through the tissue) that could occur post-operatively when you talk and express yourself.



*“In our opinion, obtaining secure fixation is the key to predictability in endoscopic brow lifting. Not only in terms of brow elevation, but also in terms of brow shaping.”*

*Plastic and Reconstructive Surgery; Drs. Stuzin, Baker and Baker 107(3): 872, 2001*

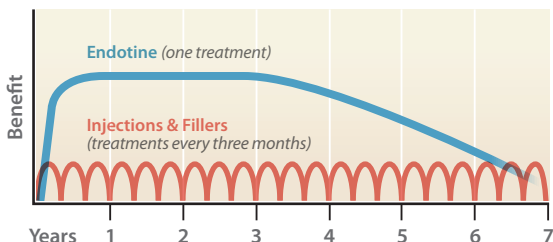
## Endotine Forehead Benefits

- A natural, refreshed result that does not look “done”
- Secure holding of your brow in its new, youthful position
- No metal screws protruding through the scalp to cause scalp irritation and hair loss
- No sutures to pinch the hair follicles during healing that can also lead to hair loss
- Nothing to remove after surgery because the Endotine Forehead device dissolves and is absorbed naturally after the healing process is completed

## Long-term value

**A**n Endotine Forehead brow lift can provide years of rejuvenation value. Unlike noninvasive treatments such as injections that must be repeated two to three times per year, an endoscopic brow lift lasts for many years. The long-term economic value is compelling if you consider the costs over five years and the required number of injection treatments. Plus, only a true brow lift can achieve the ideal amount of brow elevation.

Key to the endoscopic brow lift is its ability to elevate the tail of the brow, nearest the temples, for a more natural and youthful shape. This opens the eye and lengthens the upper lid, one of the true signs of youth. What’s more, surgically elevated tissue will provide rejuvenation for years, not months.



Graph is intended for visual comparison only, and is not an indication of individual results.



Before



After

## What can I expect after surgery?

**I**mmediately after surgery, you will experience some temporary swelling and bruising in your eyebrow and forehead areas, which may last for up to 10 days. The first few nights, it is important to rest with your head elevated. You can use a cold compress to help control swelling. You may also experience mild discomfort at the surgical site, which is typically controlled with doctor-prescribed oral medications.

Head dressing and drain tubes (if used) are removed within a few days after surgery. You can usually take a shower and wash your hair a few days later. When healing begins, you may experience numbing and itching at the incision sites. Most patients recover from “open” brow lift surgery in about two weeks. Recovery time is generally faster with endoscopic brow lift surgery. You may feel the Endotine Forehead device under your skin and experience some increased sensitivity in the area, until the device naturally dissolves and is absorbed by the body.

If you’re like most brow-lift patients, you’ll be very pleased with your refreshed and rejuvenated appearance. Although it may take several months to see the final results, you’ll probably agree over the subsequent years that your new look was well worth the wait.

The length of time that your brow lift lasts will vary. A number of factors including your age, genetics and lifestyle all play a role in your long-term results because although you will appear younger, you will also continue to age.

## What are the Surgical Risks?

Each year, thousands of men and women undergo endoscopic brow lift procedures and experience no complications. Although problems are rare and usually minor, it's best to discuss possible complications with your surgeon. For example, you may experience discomfort, infection or wound-healing problems over the implant. In addition, you may feel the device under

your skin which may be sensitive to the touch. Much less likely, but possible, your skin or hair may become thinner over the device, and you may experience some scarring if there is a wound-healing complication around the device. If your sensitivity to the device is great enough that you don't want to wait until the implant dissolves, you may want to remove the implant, which requires a minor procedure.


Because the Endotine Forehead device is anchored to bone, other risks are possible, though extremely rare; including complications with the anchor hole, bone infection, or the device may disengage from the bone, leading to a compromised surgical result or a feeling that the implant is moving under your skin. And, although the Endotine Forehead device is bio-absorbable, you may experience prolonged absorption time.



Before



After



*Information contained in this brochure is intended to provide you with a better understanding of the endoscopic brow lift procedure. This is not intended as a substitute for medical advice. The best way to get complete information and answers to your specific questions is through a personal consultation with a board-certified plastic surgeon.*

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*For more information on the  
Endotine Forehead device,  
please contact:*

*[www.EndotineBeauty.com](http://www.EndotineBeauty.com)*



**MicroAire Surgical Instruments**  
Charlottesville, VA · USA

