

Numerous trials have been performed all over the world using this low level laser therapy and all are in agreement with the findings of a 30% reduction in healing time and over 50% decrease in pain noted in treated areas. The basis for this 635 NM wave lengths laser's effectiveness is found in it's chemical modulation of the cells reducing the inflammatory process, promoting new tissue growth by stimulating fibroblasts and keratinocytes and diminishing scar tissue by activating macrophages and enhancing microcirculation. The EML has been used for over 30 years in physical therapy and dentistry with success. The EML is FDA approved.

Low level laser assisted LipoSuction is associated with no heat production and is a non ablative laser. Even though each area to be suctioned is treated for 12 minutes, the average operation time is reduced by 30% due to the ease of fat extraction. The fat harvested is a brighter yellow and more homogeneous appearance. Patient's LipoSuctioned in the past report less swelling, less pain, less bruising and less drainage than found in previous procedures. These all translate into faster healing time, better results, and a safer procedure. Low level laser assisted Lipostructure is the future of LipoSuction.

### Post-Op

After the surgery the patient is again treated with the EML on the healing frequencies prior to discharge. The liposuction patient is also treated for 3 visits after surgery at one-week intervals on the healing parameters. The Erchonia Laser is also used for chemical peels, Microdermabrasion and on scars. In these areas the EML also has been found to promote collagen, accelerate healing, reduce swelling and decrease pain.

As a Surgeon, I feel as though being able to offer patients a safe more predictable clinical result with less swelling, less pain, less bruising and less drainage translates into faster healing time, better results and a safer procedure. This is truly a WIN-WIN situation for all involved. I feel this low level laser liposculpture is the future of LipoSuction.



Dr. Michael Lyons specializes in Cosmetic Surgery. An L.S.U. graduate, Dr. Lyons researched human tissue glues while in training and continues to participate in Residency training at L.S.U. Medical Center as an Assistant Clinical Professor. He has published numerous articles on facial and cosmetic procedures.

Dr. Lyons is a Board Certified Facial Plastic and Cosmetic Surgeon. He is a Fellow of the American College of Surgeons. He continues to stay abreast of advances and new techniques and conducts numerous local seminars.

#### AESTHETIC SERVICES

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LYONS COSMETIC SURGERY CENTER

3664 College Lane South  
Mobile, Alabama 36608  
251-344-0044

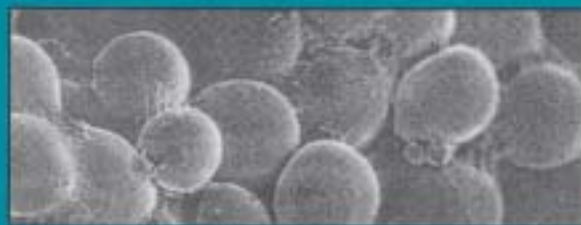
# Create a new shape...



(251) 344-0044

When diet and exercise fail to rid you of those problem areas, consider a safe and practical procedure to permanently remove unwanted fatty deposits and reshape your body.

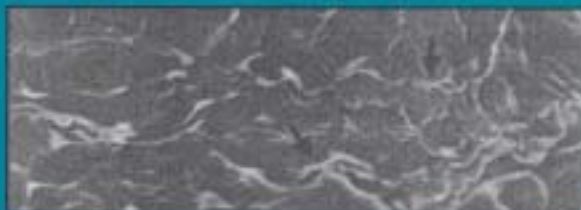
# ...Using Laser Lipostucture



Normal adipocytes (fat cells)



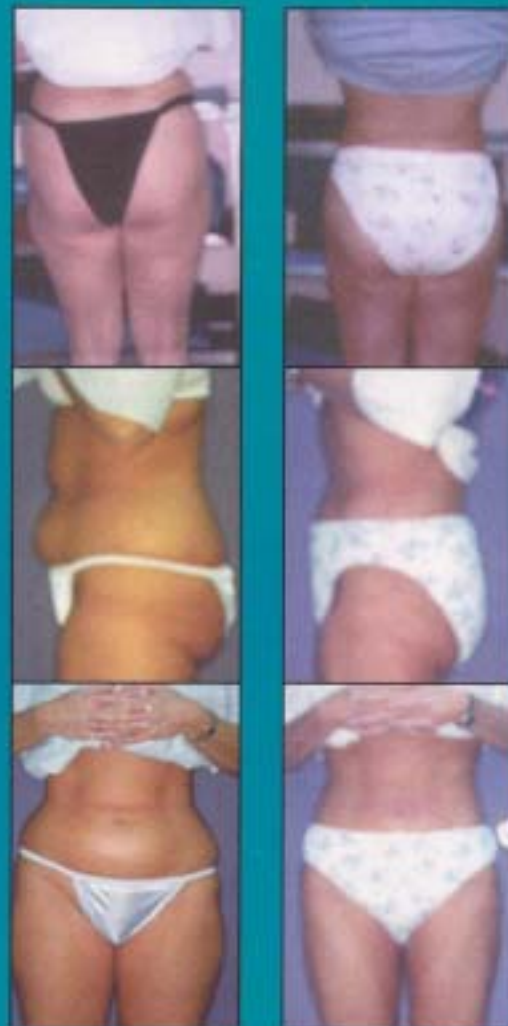
4 minutes after laser treatment: Fat oozing out of pore in cell membrane



12 minutes after laser treatment: Liquefied fat

For many years now, liposuction has been one of the most popular cosmetic procedures performed. According to the American Academy of Cosmetic surgery thousands of men and women take control of their shape each year with this safe and effective cosmetic procedure. If diet and exercise have failed to reduce areas of unwanted fat, this procedure may provide the assistance you need to obtain the results you want. The Erchonia Medical Laser (EML) has been found to be very beneficial to the patient and physician during Tumescant Liposuction. After applying this low level laser therapy for 12 minutes over the area to be liposuctioned the fat becomes emulsified or liquefied by causing the membrane to open and release the stored fat which eases the removal of fat for the surgeon and improves patient results. These findings

## Before & After



were seen on MRI's of patients under going this procedure. Other benefits shown in this technique, was the laser reduces the operation time because of the ease of extraction of the fat and the patient experiences less blood loss, less swelling, less post operative pain, and better skin re-drapage and retraction. Patients reported less discomfort during the healing process in areas treated by the laser as well as acceleration in healing. As a Surgeon, I feel as though being able to offer patients a safe more predictable clinical result is a WIN-WIN situation.