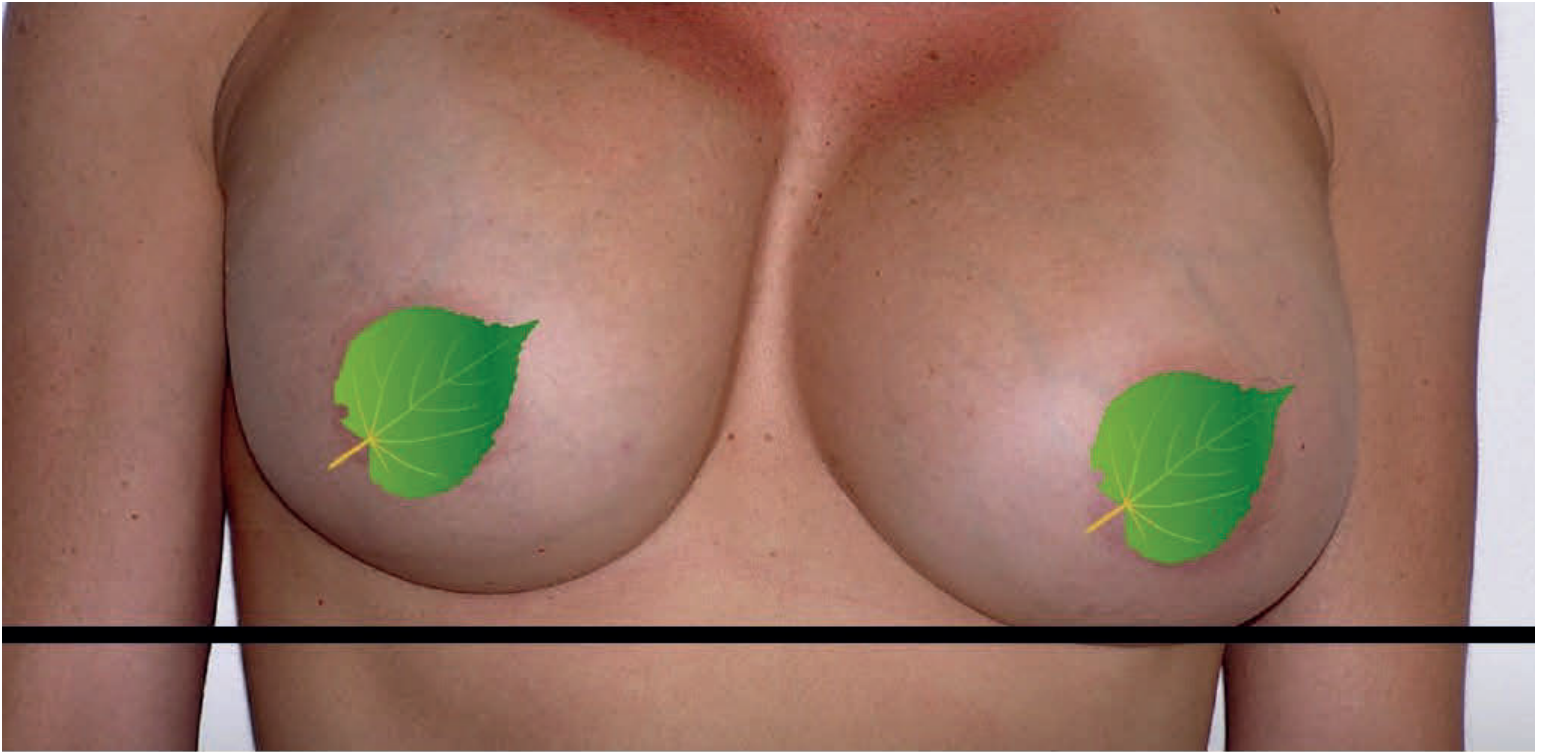


**ASPEN**  
Multi-Energy System



# ***The Dreaded CC!***

**HELP TREAT BREAST IMPLANT COMPLICATIONS  
WITHOUT SURGERY**

Informational Guide



## ASPEN Harmonizer™

**Patients with High, Hard, Uneven, & Painful Breasts After Surgery**

### **Causes for Potential Problems:**

- Capsular Contracture • Hematoma • Seroma • Infection • Biofilm Contamination

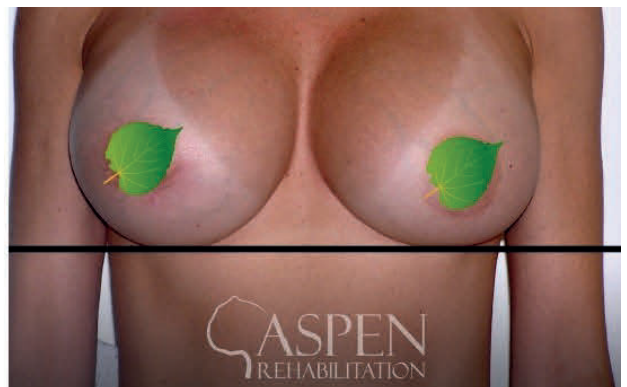
### **How Aspen Multi-Energy System™ & Aspen Therapy Can Help**

#### **CAPSULAR HARDENING**

Data shows that 1 out of 6 breast implants have a slight to extensive hardening of the capsule that forms around the implant. The Aspen Multi-Energy System™ safely delivers precisely controlled sound waves from the Aspen Harmonizer™ to increase elasticity in the breast capsule to make it more pliable when combined with the Patented Aspen Rehabilitation Technique. This unique combination of therapy creates an environment of elasticity that provides an immediate result in the very first treatment and over several treatments improves the softness and position of the breast implant to drop into the correct position.



**Before Aspen Treatment– Right Grade 3 CC**



**After 10 Aspen Treatments in 4 weeks**

## CAPSULAR CONTRACTURE



There are many theories on what might cause capsular contracture. Some believe it is centered around an infection or a bacterial contamination called **Biofilm**. Some say genetics play a role. While there may be some uncertainty on what triggers the capsule around the breast to contract, there is no doubt on how it affects the patient. As the breast hardens, it can become hard, painful and asymmetrical. Aspen Multi-Energy Therapy protocol, developed by clinician Tim Weyant, is the only **patented, researched, and non-invasive** therapeutic technique to successfully treat capsular contracture. By utilizing the Aspen Harmonizer™ combined with the patented Aspen Technique over a 4 week period, and an ongoing home care program, the outcome has proven successful at treating Baker II and Baker III grade capsules to an acceptable Baker I level. Bring back the shape and softness of the breast as well as the symmetry.



## HEMATOMA

It is estimated up to 6% of patients may experience a pocket of blood inside the wound within 2-3 days after breast surgery. After the clinician drains the blood, the Hematoma may still lead to a potential infection. The Aspen Multi-Energy System™ safely delivers non-invasive light energy with the Aspen Illuminizer™ to improve the cellular activity around the area of the Hematoma. This can improve the speed of healing and reduce the potential infection from triggering Capsular Contracture. The Aspen Harmonizer™ can also help reduce the harmful effect of hematomas by vasodilation and a washing away of harmful products that fuel contracture (4).

## BIOFILM

There is ever-increasing recognition of the key role that biofilms play in breast implant capsular contracture. A published animal model of capsular contracture in pigs, which documented a statistically significant increase in the incidence of capsular contracture following introduction of Staph. epidermidis at the time of implant placement, provides the most direct evidence, to date, for this connection (1). Hematomas and seromas may also contribute to contracture by providing a rich nutrient environment for biofilm growth. Until now, traditional surgical methodologies of treating capsular contracture typically involved complete capsulectomy, antibiotics, and in some cases, and extended period of time in which the implant is removed from the patient prior to replacement. Dr. Roger Wixtrom, PhD who is considered by many the worlds leading authority on biofilms and capsular contracture, has described The Aspen System™ as “the most promising non-surgical alternative for treating capsular contracture in many patients.” Intriguing recent research in animals and humans would suggest that The Aspen System™ in combination with antibiotics may increase the effectiveness of antibiofilm therapy (2-3).

1. Tamboto H, Vickery K, Deva AK. Subclinical (biofilm) infection causes capsular in a porcine model following augmentation mammoplasty. *Plast Reconstr Surg.* 2010; 126(3):835-842
2. Carmen JC, Roeder BL, Nelson, Beckstead BL, Runyan CM, Schaalje GB, Robinson RA, Pitt WG. Ultrasonically enhanced vanomycin activity against Staphylococcus epidermis biofilms in vivo. *Biomater Appl.* 2004; 18(4):237-245.
3. Carmen JC, Roeder BL, Nelson JL, Ogilvie RLR, Robinson RA, Schaalje GB, Pitt WG. Treatment of biofilm infections on implants with low-frequency ultrasound and antibiotics. *Am J Infect Control* 2005; 33(2):78-82.
4. Berna-Serna JD, Sanchez-Garre J, Madrigal M, Zuazu I, Berna-Mestre JD. Ultrasound therapy in rectus sheath hematoma. *Phys Ther.* 2005; 85(4):352-357.





## Lumpy or Bumpy after Lipo? Tightness after Tummy Tuck?

**Are Patients Unhappy After Liposuction, Tummy Tuck,  
or Body Contouring Surgery?**

### How Aspen Multi-Energy System™ & Aspen Therapy Can Help

As with any surgical procedure it takes time for the body to heal properly. Swelling, fluid buildup and scar tissue formation may occur after plastic surgery procedures and can be greatly reduced with **SAFE**, **NON-INVASIVE** and **PAINLESS** therapy provided utilizing the Aspen Multi-Energy System™ and Aspen Therapy.

### LIPOSUCTION

The most common issue with liposuction procedures is the **contour irregularity** which is a wavy pattern that sometimes forms after the procedure. This is seen as a classic “**Lumpy and Bumpy**” pattern across the area of liposuction. The Aspen Harmonizer™, in conjunction with the Patented Aspen therapeutic technique and compression bandaging, has shown to be very effective at treating this issue. The results are a smoother flatter stomach and a happy patient that does not require further expense of more corrective liposuction procedures.



**Before Aspen Treatment**



**After 5 Aspen Treatments in 4 weeks**

## TUMMY TUCK

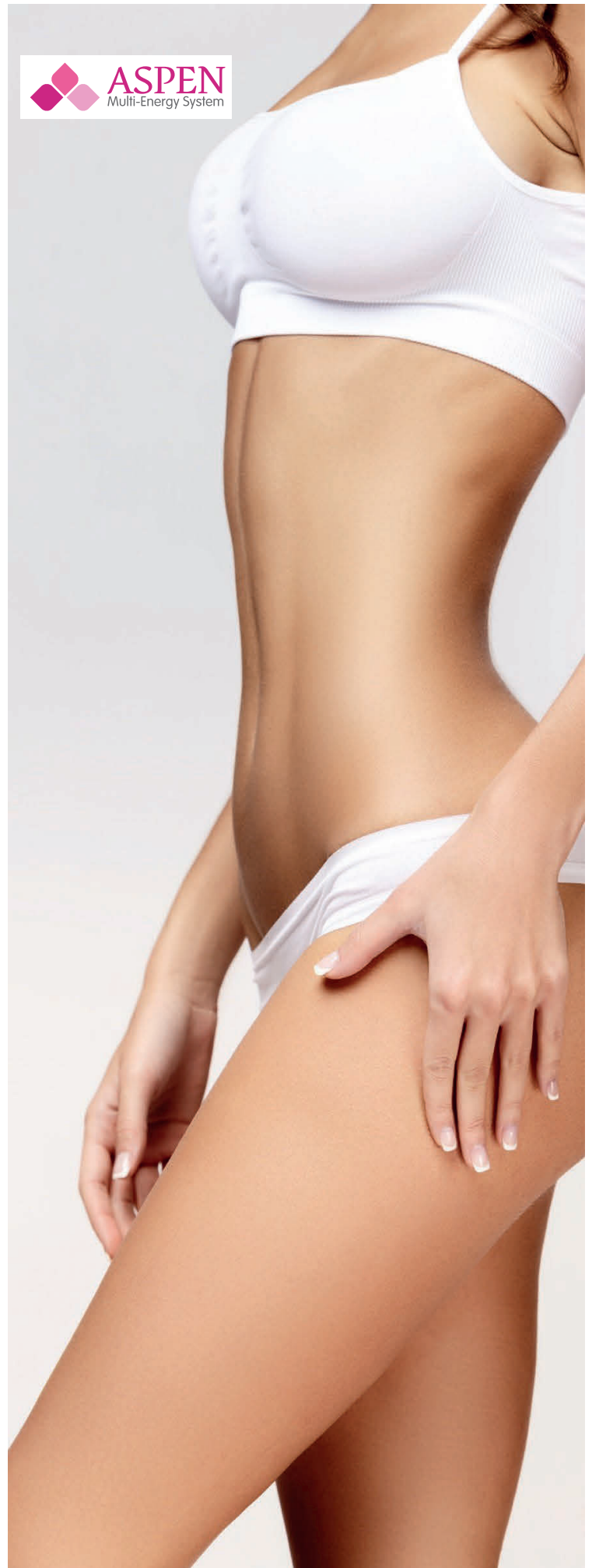
Poor wound healing of the abdominoplasty incision can lead to infection. Every minute an incision is open, there is a chance for bacteria to enter the wound and cause complications. Other complications that may occur are raised scars, myofascial adhesions, and areas of cord like banding above and below the incision line. The Aspen Illuminizer™, uses LED technology that promotes cellular activity to the incision area. Studies show this spectrum proved optimal to heal wounds more quickly (1,2,3). The Illuminizer™, when combined with proper salves, scar creams and compression techniques, helps reduce scarring and improve the healing process of your patients and their overall satisfaction.

Internal tightness due to scar tissue formation post Tummy Tuck surgery is a common issue that causes pain and discomfort for the patient. The Aspen Harmonizer™ provides finely tuned sound waves to increase the circulation and elasticity of the underlying scar tissue. This in conjunction with specific Aspen therapy massage techniques help to soften the scar and reduce the pain of the patient more quickly. Fluid accumulation and potential seromas is another complication that happens post Tummy Tuck surgery. This fluid buildup can cause pain and potential infections. The Aspen Stimulizer™ and the Aspen Illuminizer™ in conjunction with Aspen lymphatic massage techniques help to drain the fluids and increase the cellular activity to heal the seroma.

1. Enwemeka CS, Cohen E, Duswalt EP, Weber DM. The biomechanical effects of Ga-As Laser photostimulation on tendon healing. *Laser Ther.* 1995;6:181-188.
2. Loevschall H, Arenholt-Bindslev D. Effect of low level diode laser irradiation of human oral mucosa fibroblasts in vitro. *Lasers Surg Med.* 1994;14:347-351.
3. Kana JS, Huyschenreiter G, Haina D, Waidelich W. Effect of low-power density laser radiation on healing of open skin wounds in rats. *Arch Surg.* 1981;116:293-296

## FAT FREEZING

This latest fat reducing technology has provided some issues, where the Aspen Multi- Energy System™ and therapy techniques have proven effective. Pain post Fat Freezing can occur in about 20% of patients, according to the fat freezing equipment manufacturer's web sites. Fluid accumulation and stasis of fat necrosis are also issues that may occur post fat freezing. This fluid buildup can cause pain and potential infections. The Aspen Stimulizer™ and the Aspen Harmonizer™, in conjunction with Aspen lymphatic massage techniques, help to drain the fluids and increase the cellular activity to clear the area of any dead fat cells. This can greatly reduce the pain and swelling that is often caused by dead fat cells unable to be cleared by the body. This treatment can be done within 1-3 days after the procedure.





## Aspen Face Therapy after Surgery. How It Works

### Helping Patients after Facial procedures

Nearly any surgery can result in bruising and swelling, which is a normal part of the healing process. However, with facial surgery the swelling and bruising can sometimes be excessive and notably visible. The Aspen Multi-Energy System™ can help plastic surgeons and their staff provide therapy to minimize these effects and to expedite patient's overall looks and recovery.

### **FACIAL SWELLING**

Excessive swelling can lead to complications such as incisions scarring and infections. Wounds that open may lead to infections as well. Now with the Aspen Multi-Energy System™ the patients swelling can be reduced with a combination of the Aspen Stimulizer™ and Aspen Illuminizer™ combined with Aspen Face Therapy protocols.

### **FACIAL BRUISING**

Bruising is another problem that may cause issues for patients and The Aspen Multi-Energy System™ can help. Bruising can cause an increase in bacterial content leading to infections and a delay in healing. Utilizing the Aspen Illuminizer™ patients are treated with the energy of the LED Light spectrum which helps improve circulation, wash away bruising, and increase collagen production. These three physiological changes often have a positive effect on healing bruises of the face.

### **NERVE DAMAGE**

Research also has shown the beneficial effect of The Aspen Illuminizer™ on nerve regeneration. (1,2) Whether nerve damage is on the face, breast incisions, tummy tuck incisions, or any peripheral nerve loss of motor or sensation, The Aspen Illuminizer™ can help.

1. Mohammed IF, Al-Mustawfi N, Kaka LN. Promotion of regenerative processes in injured peripheral nerve induced by low-level laser therapy. *Photomed Laser Surg.* 2007 Apr;25(2):107-11.

2. Rochkind S, Nissan M, Alan M, Shamir M, Salame K. Effects of Laser: irradiation on the spinal cord for the regeneration of crushed peripheral nerve in rats. *Lasers Surg Med.* 2001;28:216-219.





## Help Make Your Medi-Spa Procedures More Comfortable

Beauty treatments and pain have often been inseparable terms in the Medi-Spa. Now The Aspen Multi-Energy System™ has the technology to help minimize the pain and improve tolerance during any of the typical Medi-Spa procedures below:

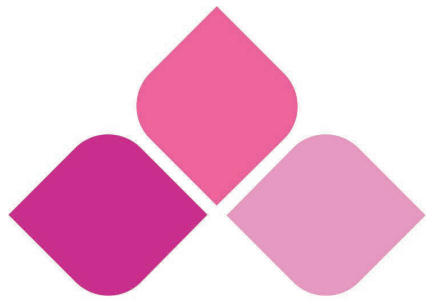
- Injections & Fillers
- Fat Freezing
- Laser Tattoo Removal
- Laser Hair Removal
- Micro Needling - Collagen Induction
- Laser Vein Treatment
- Dermabrasion



**Aspen Stimulizer™**  
**Dual Module Electrical Stimulation**

## The Aspen Stimulizer™ EXTERNAL EPIDURAL feature

Painful procedures listed above can now be tolerated better. Melzack and Wall introduced in 1965 the research that showed stimulating A and C nerve fibers create a disruption or blocking of the ability for peripheral nerves to transmit pain signals. The Aspen Stimulizer™ utilizes this same technological concept and can help reduce the patients overall painful experience and increase the likely hood of pursuing further procedures. This is accomplished by placing The Aspen Stimulizer™ near the procedure area, adjusted until the procedure is not felt, and the pain is reduced or eliminated completely during the procedure. **LESS PAIN = MORE MEDI-SPA PROCEDURE = MORE REVENUE.**



# ASPEN

Multi-Energy System



*ASPEN  
Breast  
Therapy*



*ASPEN  
Body  
Therapy*



*ASPEN  
Face  
Therapy*

**The Aspen Multi-Energy System is a tool that  
provides a non-surgical solution for some  
of the most common issues  
associated with plastic surgery.**

**Call Today 1-877-277-3615  
Or Email [info@TheAspenSystem.com](mailto:info@TheAspenSystem.com)**

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