

# CAL's 3D Cannula Movement Enhances Tx and Reduces Patient Discomfort

By Bob Kronemyer, Associate Editor

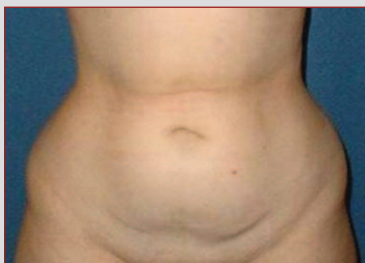


**Thomas T. Jeneby, M.D.**  
Plastic Surgeon  
San Antonio, TX

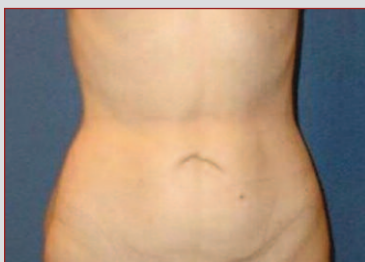


**Bill Johnson, M.D.**  
Founder and Chief of Staff  
Innovations MedSpa  
Forth Worth and Dallas, TX

**"This new technique allows for better high-definition body contouring in more difficult areas to treat, including scar tissue."**



45 year old female before Tx



45 year old female 12 months after Tx  
Photos courtesy of Angelo Rebelo, M.D.

Custom Acoustic Liposuction (CAL) from Medical Alliance Services, Inc. (Dallas, Texas), uses air pressure to activate the cannula, causing a triple, three-dimensional movement (vibration, rotation and reciprocation), rather than relying on the limitations of one-dimensional vibration from ultrasound. This innovative movement, referred to as nutation, allows the cannula to glide through fibrous areas easier, thus providing turbo infiltration of the tumescent solution for better disbursement, less physician fatigue, faster numbing, reduced patient discomfort and a shorter procedure time.

"This new technique allows for better high-definition body contouring in more difficult areas to treat, including scar tissue," said Thomas T. Jeneby, M.D., a plastic surgeon in San Antonio, Texas. "The vibration mitigates most of the discomfort during infiltration, allows for more fat removal and ultimately less bruising, as well as an earlier recovery. In fact, some of my patients comment that the 3D vibration sensation from the cannula actually tickles them and they start laughing during the procedure."

In addition, the unique pattern of movement with CAL enables treatment at a lower (infrasonic) frequency (10 Hz), "which is much safer than the high-frequency energy generated by ultrasound," Dr. Jeneby stated. "Unlike other liposuction systems, Custom Acoustic Liposuction uses a no-heat cannula, which when inserted into the fatty tissue will not heat or burn the surrounding tissue or anatomy. This no-heat cannula also preserves the fat for secondary fat transfer procedures."

A female patient with no tolerance for pain was recently treated with CAL after undergoing two prior liposuction procedures. The patient decided not to take oral pain medication prior to treatment because she needed to report to work for eight hours that same day. During infiltration of the tumescent solution, the patient's pain level was 0 (on a scale of

0 to 10). Furthermore, she reported being thrilled with the results.

"I believe in staying on the cutting edge," said Bill Johnson, M.D., founder and chief of staff at Innovations MedSpa, with locations in Fort Worth and Dallas, Texas. "Each type of liposuction has its distinct advantages and disadvantages." Although an early adopter of laser-assisted lipolysis, Dr. Johnson found it difficult to remove large amounts of fat. Therefore, he began searching for a system "that would improve my ability to maximize the infiltration and suctioning part of liposuction." His quest led him to embrace CAL.

Unlike standard liposuction, ultrasonic liposuction or laser-assisted liposuction, CAL infiltrates tumescent fluid approximately 25% faster, according to Dr. Johnson. "One key benefit is that you move the cannula in and out less, with fewer passes, which is less traumatic to the patient." Dr. Johnson also noted that the smaller suction cannulas "are ideal for detail work or fat transfer. The system comes with a variety of cannula sizes, shapes and designs for better contour and artistry."

To date, Dr. Johnson has treated over 100 patients with CAL. He is particularly impressed with its outcomes in secondary cases. "Performing liposuction in an area that has already been treated is tricky because of the scarring," he explained. "However, the ease of treating these cases has been quite impressive and the amount of fat removed is incredible. For instance, we used ultrasound-assisted liposuction on a female patient and thought we had aspirated all we could. However, during a second procedure on her abdomen with CAL, we aspirated an additional pound of fat (600 cc)."

In response to the challenging economic climate, Medical Alliance Services recently launched a simple, one year rental program that allows office-based practices to offer CAL and take advantage of creative and proven event marketing programs, training and support.