Canfield's Breast Sculptor Software
Models Surgical Outcomes in 3D

By Bob Kronemyer, Associate Editor

Canfield Imaging Systems (Fairfield, N.J.), a global leader in imaging systems, services and products for scientific research and healthcare applications, has introduced the first of a planned suite of surgical modeling software to its revolutionary VECTRA 3D surface imaging platform.

With Breast Sculptor, a new software application, surgeons can now surgically model and communicate outcomes using a patient's own three-dimensional image. This program quickly provides a visual comparison in 3D of different implant scenarios to help guide the implant selection. Physicians can select an implant (saline or gel) from the complete catalogue of either major supplier and the resulting augmentation is instantly displayed on the VECTRA screen. In this way, Breast Sculptor delivers more realistic and informative consultations, helping to ensure mutually understood expectations and ultimately, increased patient satisfaction.

"Breast Sculptor offers additional benefits as well," said Canfield product manager Rollin Read. "Consultation time is saved by streamlining the review and decision process. Critical measurements can be completed using the patient's 3D image – improving measurement precision and reducing the amount of physical contact with the patient. Additionally, differences in volume measurements are automatically calculated, providing an objective indication of the amount of asymmetry prior to surgery. All baseline measurements are automatically retained in the patient's report."

This technology has a remarkable impact on the patient consultation process. "Breast Sculptor is a tremendous tool for developing a common understanding between me and my patient prior to surgery," stated Nolan Karp, M.D., a plastic surgeon in private practice in New York City, N.Y. "This results in a more satisfied patient and ultimately additional referrals."

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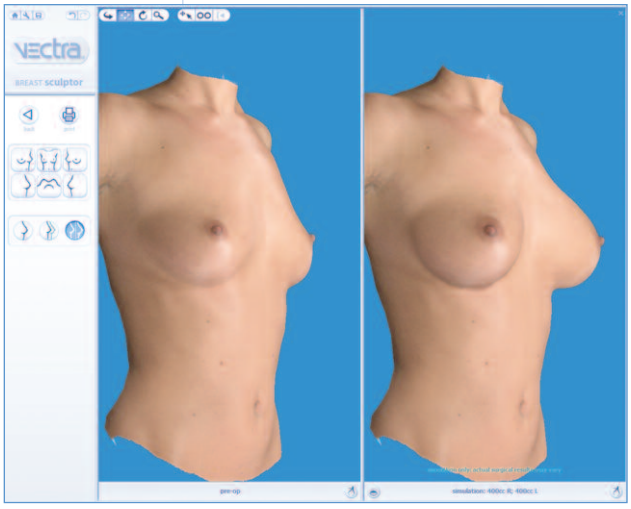
Breast Sculptor's ability to model breast lift procedures helps the surgeon present a compelling comparison between two scenarios: combining a lift with the augmentation or only having an augmentation done. A patient can also be shown the potential benefits of complementary procedures, such as tummy tucks and body contouring. Presented with these persuasive visuals, the patient is likely to consider a more complete makeover.

Unlike simulation tools which use traditional two-dimensional imaging, Breast Sculptor can visualize an augmentation outcome based on a three-dimensional image that can be rotated to show an almost infinite number of views. Canfield's VECTRA 3D system, which provides the platform for Breast Sculptor, produces fast and accurate 3D surface imaging. This system also provides tools for the precise measurement of volume, area, circumference and distance.

According to Doug Canfield, founder and president of Canfield, "Leading surgeons throughout the world are utilizing the VECTRA system as a valuable analysis and communications tool. With the addition of Breast Sculptor, physicians can now show their patients the anticipated outcomes of their breast augmentation procedures. This helps prepare each patient emotionally for her new form. Breast Sculptor offers a 'wow factor' that has already helped surgeons convert consultations into procedures. VECTRA 3D is a necessary tool for today's plastic surgeons, answering the demand for evidence-based medicine."

VECTRA 3D is available in the U.S. directly from Canfield Imaging Systems and outside the U.S. through distributors worldwide.



Breast Sculptor