

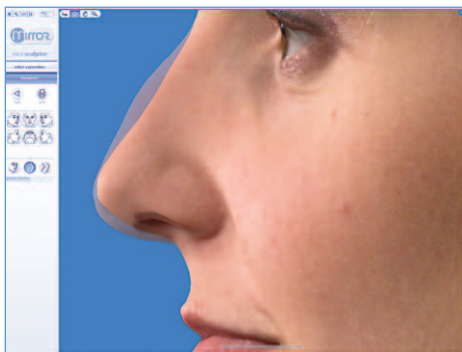
# Facial Plastic Surgeon Takes the Lead in 3D Simulation

By Bob Kronemyer, Associate Editor



**Monte O. Harris, M.D.**  
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Face Sculptor models a variety of facial procedures in 3D

Monte O. Harris, M.D., a clinical assistant professor at Georgetown University (Washington, D.C.), in the department of otolaryngology/head and neck surgery, clearly remembers his reaction when he first heard about Mirror Face Sculptor software from Canfield Imaging Systems (Fairfield, N.J.), “I wanted the first one off the line.” He strongly believed that this new Mirror module for the VECTRA 3D imaging system was going to transform his facial plastic surgery practice.

“Clinical imaging has always been the best tool a plastic surgeon has to critically review results. The emergence of three-dimensional imaging was a natural progression,” Dr. Harris said. “Now, with Mirror’s surgical modeling tools, 3D is realizing its full potential.”

Face Sculptor, the newest addition to Canfield’s Sculptor line of surgical modeling software, provides a dynamic new tool for aesthetic medical practices. By using a 3D image of the patient at baseline, the surgeon can simulate a wide variety of facial plastic surgery procedures. These include rhinoplasty, chin augmentation and injectables, with additional procedures being added on an ongoing basis.

With intuitive graphic controls, the translation of surgical skills to computer simulation is fast and simple. In addition, the resulting simulation can be rotated to an almost infinite number of views during the consultation process, thus helping the patient develop a clear understanding of the projected outcome. Furthermore, if needed, the simulation can be revised in real time, interactively with the patient. This increases the patients’ comfort level and helps give them the confidence to commit to the procedure.

A surgeon can also show the effects of complementary procedures, such as

combining a chin augmentation with rhinoplasty. Hence, patients are given the opportunity to elect a more comprehensive makeover.

Dr. Harris has also found an unexpected benefit to the business side of his practice; with Face Sculptor, his staff is developing a better understanding of the surgical procedures he performs. “This has increased the medical expertise of my ancillary staff. They are more interested and involved in procedure planning, making them a better resource for the practice and adding credibility with our patients,” he explained. “Combined with the direct patient benefits of the surgical modeling, I see this producing a significant increase in both consultations and conversions.”

Dr. Harris also maintains an affiliation with the department of dermatology at Howard University (Washington, D.C.), is co-founder of the successful Cultura MedSpa in Washington, D.C. and has recently opened a boutique-style facial plastic surgery office just two blocks away. This new practice features the latest in medical technology, personalized services and a highly innovative approach to facial rejuvenation.

Early in his medical career at the University of Michigan (Ann Arbor, Mich.), Dr. Harris formed a commitment to clinical imaging which he will continue at his new practice. Fittingly, the new facility features a complete state-of-the-art imaging suite, including a VECTRA 3D imaging system. Dr. Harris is optimistic about this new venture and the addition of Face Sculptor as a consultation and planning tool. “This gives me the technology to produce credible 3D representations of my procedures. It’s exactly where I want to be as a facial plastic surgeon,” he said.