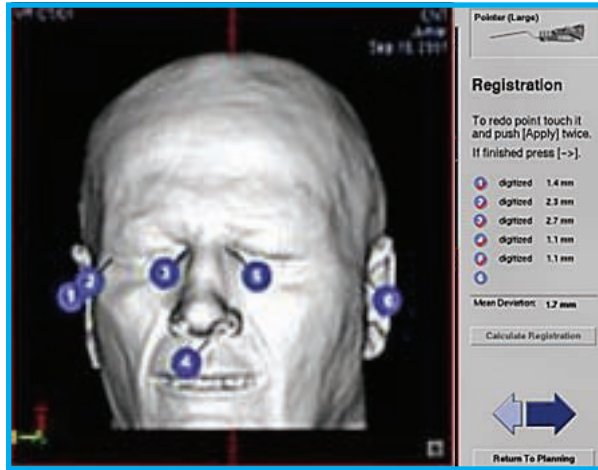


Minimally Invasive Computer-Assisted Sinus Surgery at Lakeland

Computer-assisted sinus surgery (CASS) is a minimally invasive procedure that has helped revolutionize the management of sinus disease. CASS provides a near-three-dimensional mapping system, combining CT scans taken prior to surgery and real-time information about the exact position of surgical instruments, using infrared signals. CASS provides important anatomical information specific to the individual patient, decreasing the risks and improving the results of surgery. The technology is helpful not only in avoiding complications during sinus operations, but in allowing more complete surgery, resulting in a significant improvement in overall patient outcomes.

“With CASS, I am able to accurately navigate the affected areas of the nose and sinuses and to see the exact position of the surgical instruments during surgery,” said Dennis Thompson, MD, with the



Computer-assisted registration enables the physician to use auto-registration; paired points (sticky marker or anatomical markers); or surface matching.

Lake Michigan Sinus & Sleep Apnea Center in St. Joseph. “The unique view of nasal and sinus anatomy minimizes trauma to healthy tissue while optimizing patient treatment.”

CASS allows for the elimination of external facial incisions, reduces trauma to normal tissue, and improves the ability to more completely remove surgical pathology. Patients with nasal polyps or frontal sinus disease see significant improvement as evidenced by less significant postoperative bleeding and other side effects.

“The equipment is invaluable in cases where a patient’s sinus anatomy is very unusual, making typical surgery difficult,” continued Dr. Thompson. “Computer-assisted sinus surgery is also advised in cases of chronic sinusitis and when previous sinus surgery has altered anatomical landmarks.”

To refer a patient, contact the Lake Michigan Sinus & Sleep Apnea Center at 269-982-3368.

