

Surgeon Spotlight

ENTceps®

In 2006, Farhad Sigari, M.D., FACS had just completed his residency during which he had tried various technologies to perform tonsillectomies but was dissatisfied with the results. Patients suffered intense post-operative pain and bleeding, leading to long recovery times and heavy narcotic pain medication usage. While attending a national medical conference, Dr. Sigari learned about MiFusion® ENTceps® from Microline Surgical and saw a demonstration of the technology.

“I immediately knew that ENTceps was the solution because of the way the energy is delivered to the tissue,” said Dr. Sigari. “With other technologies, electrical energy spreads to the surrounding muscle fibers of the fossa and the resulting tissue damage is what causes post-operative pain. But with ENTceps, the thermal energy is concentrated between the two ends of the instrument, resulting in minimal thermal spread, less pain and faster recovery.”

The key to MiFusion ENTceps’ effectiveness and safety can be found in Microline’s patented Thermal Fusion technology (also known as Tissue Welding). Unlike conventional devices that use monopolar, bipolar or ultrasonic energy as modes of operation, MiFusion ENTceps employs only direct heat and pressure to quickly and delicately fuse and divide soft tissue, minimizing collateral tissue damage.

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Putting MiFusion ENTceps Into Practice

Dr. Sigari began using MiFusion ENTceps while practicing in the Chicago-area and the results far exceeded his expectations. Not only did patients recover sooner and with less pain and bleeding, the user-friendly design also enabled Dr. Sigari to improve his efficiency in the operating room.

“What we noticed right away was that we were receiving far fewer phone calls from patients following tonsillectomies performed with ENTceps because they were healing faster and with fewer complications,” said Dr. Sigari. “My assistant at the time, who had been in medicine for 24 years, kept asking me why patients weren’t calling. She had worked with other ENTs and could not believe how well my patients were recovering.”

Dr. Sigari recalled the story of one pediatric patient who he admitted to the hospital following an ENTceps tonsillectomy because the child suffered from severe sleep apnea and Dr. Sigari wanted to monitor him during the evening. When Dr. Sigari went to check on his recovery the day of the procedure, the patient was eating fried chicken in his hospital bed.

“Even though he shouldn’t have been eating fried chicken following surgery it was amazing that he felt good enough to do so,” said Dr. Sigari. “Patients in general return to normal diet faster following an ENTceps tonsillectomy. And it’s very rare that they finish their pain meds because they feel so great. They typically stop taking them three-to-four days following the procedure, which is a significant difference compared with other techniques.”



Farhad Sigari, M.D., FACS

Use of MiFusion ENTceps Today

Dr. Sigari relocated his practice to Marina Del Rey in 2011 and is now offering MiFusion ENTceps tonsillectomies to patients in the greater Los Angeles area and beyond. To date, he has performed approximately 500 adult and pediatric tonsillectomies with MiFusion ENTceps. He notes the impact that the technology has had on his practice.

“I perform a variety of complex and interesting surgeries, from facial reconstructions to Vagus nerve stimulation implants to treat epilepsy, but out of all the procedures that I perform the ENTceps tonsillectomies have had the greatest overall impact because of the procedure volume and the significance of the results,” said Dr. Sigari. “So many people need their tonsils out and the impact is very far reaching because recovery from conventional tonsillectomies can be so long and painful. This affects not only the patients themselves in terms of missing school or work but also their families, particularly for pediatric patients where parents must stay home to care for children during their recoveries.”

One of Dr. Sigari’s patients, Eric Larsen of Santa Clarita, Calif., drove nearly two hours in traffic to have Dr. Sigari perform a MiFusion ENTceps tonsillectomy because there were no surgeons in his area performing the technique. He documented his recovery and posted the video on YouTube. [It can be viewed here.](#)

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