

Nerve Tape® Study Demonstrating Clinical Outcomes Wins Award

Nerve Tape Promoted Recovery Comparable to Traditional Microsuture Techniques

Atlanta, GA – BioCircuit Technologies today announced a new clinical study evaluating Nerve Tape®, the first device designed for sutureless nerve repair. The study assessed clinical outcomes following trigeminal nerve reconstruction using Nerve Tape and demonstrated sensory recovery comparable to traditional repair techniques that require technically complex microsuturing.

Dr. Timothy Neal presented the study at the 2026 Annual Meeting of the Southwest Society of Oral and Maxillofacial Surgeons (SWSOMS), where he received the meeting's Best Presentation Award.

The work was also published in the highly respected *Journal of Oral and Maxillofacial Surgery* by first author Dr. Neal along with Dr. Yotom Rabinowitz and senior author Dr. John Zuniga.

The retrospective case series evaluated 19 subjects undergoing 21 nerve repairs using Nerve Tape across two centers. The study estimated the rate of functional sensory recovery (FSR) following reconstruction of the lingual and inferior alveolar nerves. The primary endpoint was time to functional sensory recovery, with a minimum follow-up of 6 months.

A total of 17 subjects (81%) achieved FSR within the study period. FSR was observed in 62% of patients at 3 months and 81% at 6 months, with outcomes falling within the published range for microsuture-based trigeminal nerve repair.

Additional data presented at the meeting demonstrated a statistically significant reduction in operative time, with Nerve Tape reducing mean operative time by 40 minutes compared to microsuture repair.

These findings contribute to the expanding clinical evidence supporting sutureless nerve repair with Nerve Tape, with over 10,000 implants to date.

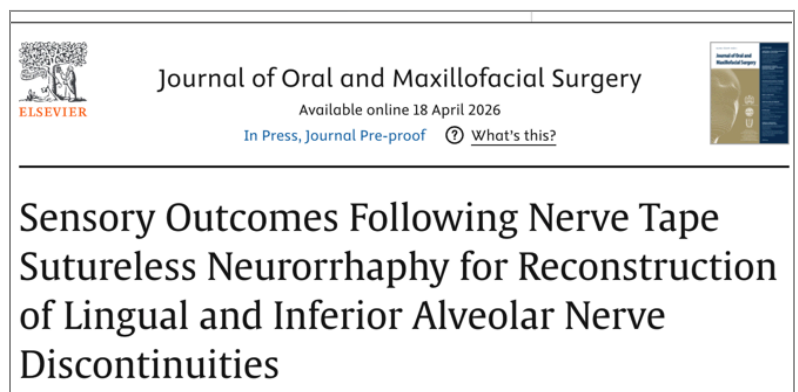
[View the publication here.](#)

ABOUT NERVE TAPE

Nerve Tape is indicated for the repair of peripheral nerve discontinuities where gap closure can be achieved by flexion of the extremity.

For more information and to access the Instructions for Use (IFU), visit [NerveTape.com](https://www.NerveTape.com)

Follow Nerve Tape on [Instagram](#)



ABOUT BIOCIRCUIT TECHNOLOGIES

Based in Atlanta, GA, BioCircuit Technologies develops and commercializes medical devices for tissue repair and neurorehabilitation. Designed for precision, ease-of-use, and reliability, these devices enhance surgical efficiency and therapeutic targeting for improved patient outcomes. In addition to small business funding from the National Institutes of Health (NINDS SB1NS137879 and R44NS097113), BioCircuit has attracted private financing, including investment from the GRA Venture Fund, Masters Capital, and Alsora Capital.

For more information visit www.biocircuit.com

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