

Novel device studied in treatment of refractory overactive bladder

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A novel sacral neuromodulation system (SNM; SacralStim), which has

an electrode with six contact points (CPs), shows benefit in the treatment of refractory overactive bladder (OAB), according to a study recently published in *European Urology Focus*.

Limin Liao, M.D., Ph.D., from the China Rehabilitation Research Center in Beijing, and colleagues examined the effectiveness and safety of the SacralStim system for treating refractory OAB in a multicenter, randomized, single-blind trial. Patients with refractory OAB were enrolled from January 2018 to May 2020 and were randomly assigned to the treatment group (SNM on) or [control group](#) (SNM off) for a period of 12 weeks.

The researchers found that at 12 weeks, the therapeutic success rate was 56.76 and 11.11 percent in the treatment and control groups, respectively. Significant between-group differences were seen in voiding diary variables, including the average number of voids/24 hours, micturition volume/void, and improvement in the urge incontinence ratio. There were no severe adverse events reported.

"This is the first multicenter, randomized, single-blind, parallel-control clinical trial testing the efficacy and safety of the SacralStim system, which has a six-CP [electrode](#)," the authors write. "The results provide strong evidence that [patients](#) with refractory OAB benefit from this novel SNM system. More research is required for direct comparison of the SacralStim system with traditional four-CP devices."

The study was partially funded by GeneralStim.

More information: Limin Liao et al, Sacral Neuromodulation Using a Novel Device with a Six–contact-point Electrode for the Treatment of Patients with Refractory Overactive Bladder: A Multicenter, Randomized, Single-blind, Parallel-control Clinical Trial, *European Urology Focus* (2022). [DOI: 10.1016/j.euf.2022.04.006](https://doi.org/10.1016/j.euf.2022.04.006)

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