only in 60–65% of patients.¹ Stimulating the pudendal nerve could activate multiple sacral nerve roots and provide a better efficacy of therapy though this has been attempted to-date only for urological dysfunction.²

The effect of pudendal nerve stimulation (PNS) in patients with FI was investigated in a prospective observational study.

Methods FI patients who had not responded to conservative treatments and SNS underwent insertion of a permanent PNS stimulation electrode³ followed by a 3-week screening period. A permanent neurostimulator was implanted for a $\geq 50\%$ reduction in number of incontinence episodes per week as measured by a 3 week prospectively kept bowel diary.

Results Seven female patients (mean age: 56 years) underwent temporary screening. Four of the 7 patients (57%), during the 3-week trial phase, showed a $\geq 50\%$ reduction in the weekly incontinence episodes (mean (SD) 14 (10.7) pre to 7 (7.2) post) along with a simultaneous improvement in their ability to defer defecation (minutes (SD) 2 (0.74) pre to 6 (5.8) post). The St Mark's Score improved from (mean;(SD)) 20 (2.3) pre to 12 (1.8) at the 1 month follow-up.

One patient lost efficacy 3 months post permanent implant and voluntarily exited the study. Over a mean follow-up of 8 months (SD 3.6), the improvement in continence was sustained in all the other three patients with no complications reported to date.

Conclusion PNS is a promising new treatment for faecal incontinence in patients who fail to respond to SNS.

Competing interests None.

Keywords fecal incontinence, Pudendal nerve stimulation, sacral nerve stimulation.

REFERENCES

1. Hollingshead JRF, Dudding TC, Vaizey CJ. Sacral nerve stimulation for faecal incontinence: results from a single centre over a 10 year period. *Colorectal Dis* 2010; (In Press).
2. Peters KM, Feber KM, Bennett RC. Sacral versus pudendal nerve stimulation for voiding dysfunction: a prospective, single-blinded, randomized, crossover trial. *Neurourol Urodyn* 2005;24:643–7.
3. George AT, *et al.* A new minimally invasive technique for pudendal nerve stimulation. *Colorectal Dis* 2010; (In Press).

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PUDENDAL NERVE STIMULATION FOR FAECAL INCONTINENCE IN PATIENTS WHO HAVE FAILED SACRAL NERVE STIMULATION

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A George,* T C Dudding, R J Nicholls, C J Vaizey ¹*Physiology, St Mark's Hospital, London, UK*

Introduction Sacral nerve stimulation (SNS), though an accepted treatment for faecal incontinence (FI) is effective