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### Spinal Cord Stimulator for Treating Pudendal Neuralgia

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# Spinal Cord Stimulator For Treating Pudendal Neuralgia

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## Introduction

A 62 year old female presented with burning and pressure sensation of the vagina, pelvic floor, and low back radiating to the left lower extremity for 6 months. It was worse with sitting and was rated as severe. Her gynecologist diagnosed pudendal neuralgia and she failed treatment with physical therapy, NSAIDS, gabapentin, and a pudendal nerve block.. The patient was given a spinal cord stimulator covering T11 to L1 and midline S2 to S4.

## Methods

This patient was a candidate for a spinal cord stimulator after failing conservative therapy and not being a candidate for decompression surgery.

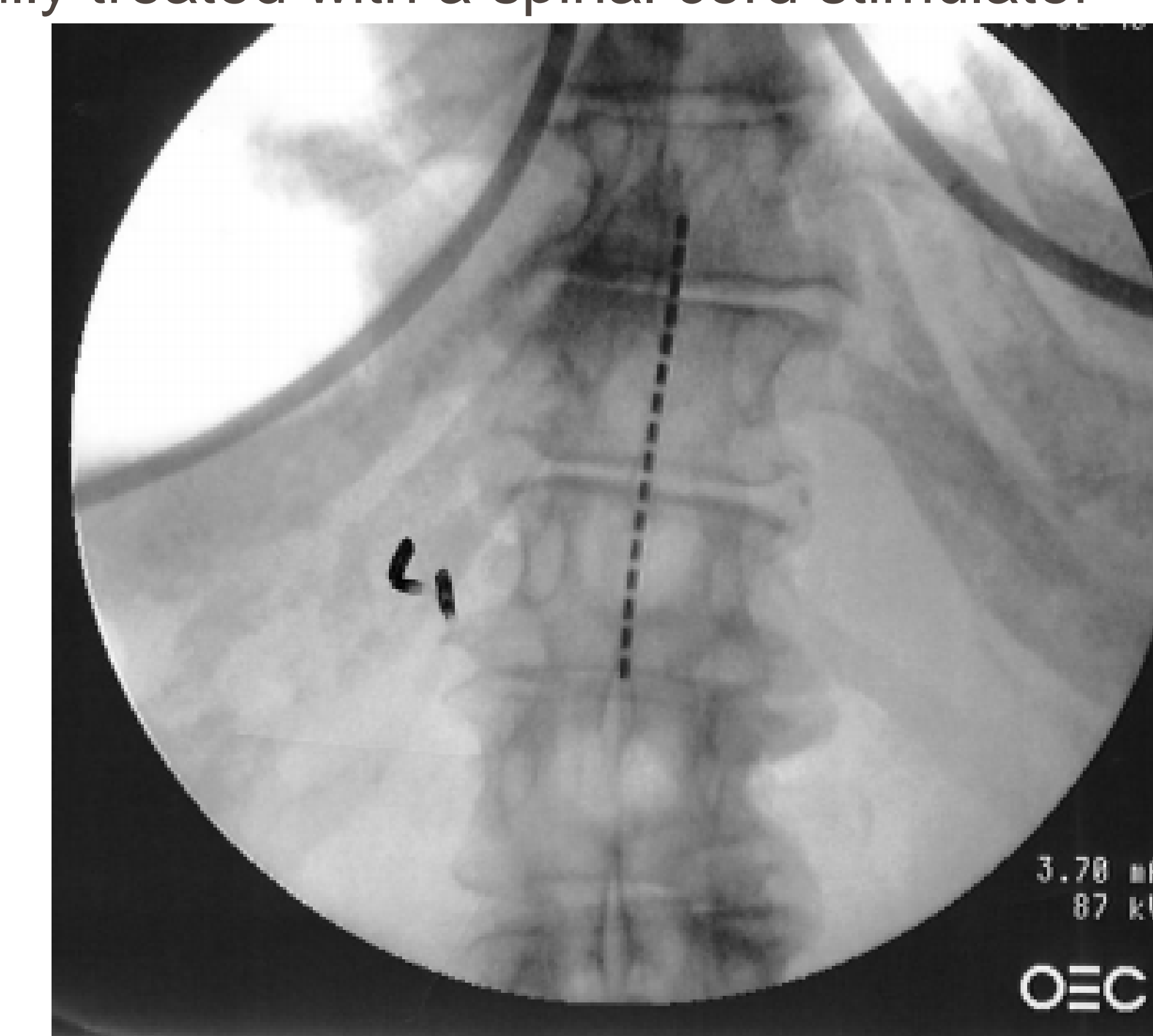
## Results

She had 80% relief from burning, 100% relief of pressure, and can sit for prolonged periods.



## Discussion & Conclusion

Pudendal neuralgia can be challenging to treat. Many clinicians are unaware that neuromodulation is one of the treatment options if conventional methods are unsuccessful. This case demonstrates that refractory cases of pudendal neuralgia may be successfully treated with a spinal cord stimulator <sup>1,2,3</sup>.



## References

1. Roy H, Offiah I, Dua A. Neuromodulation for Pelvic and Urogenital Pain. *Brain Sci.* 2018;8(10):180. Published 2018 Sep 29. doi:10.3390/brainsci8100180.
2. Rigoard, P., et al. (2012). "Successful treatment of pudendal neuralgia with tricolmn spinal cord stimulation: case report." *Neurosurgery* 71(3): E757-762; discussion E763.
3. Buffenoir, K. , Rioult, B. , Hamel, O. , Labat, J. , Riant, T. and Robert, R. (2015), Spinal cord stimulation of the conus medullaris for refractory pudendal neuralgia: A prospective study of 27 consecutive cases. *NeuroUrol. Urodynam.*, 34: 177-182. doi:[10.1002/nau.22525](https://doi.org/10.1002/nau.22525)