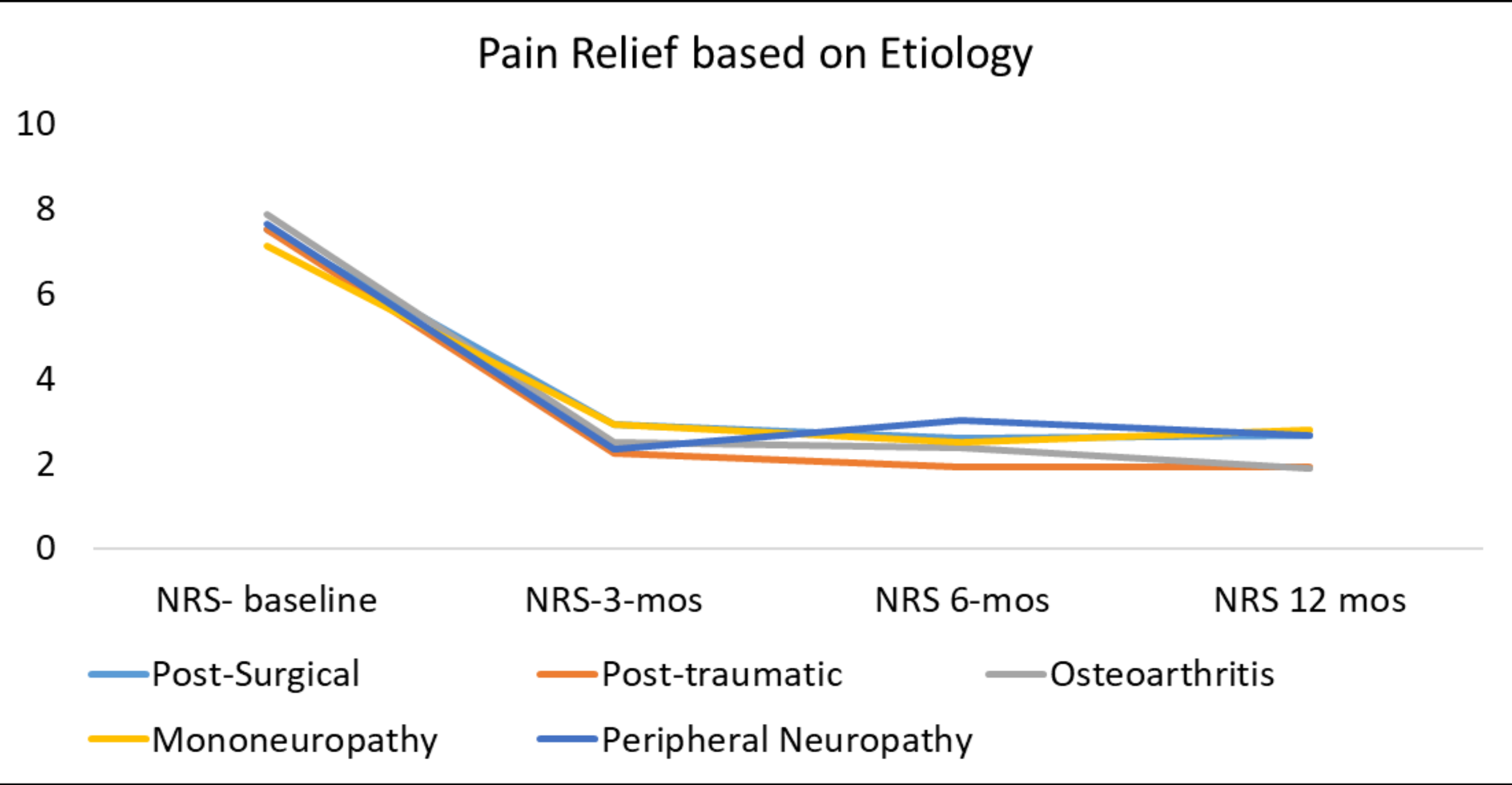


Advanced Peripheral Nerve Stimulator Delivers Consistent Pain Relief Across Various Neuropathic Etiologies: COMFORT RCT Findings

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INTRODUCTION	METHODS	Diagnosis at Enrollment	Post-traumatic	Post-surgical	Mononeuropathy	OA	Peripheral Neuropathy
- Peripheral Neuropathic Pain (PNP) may require interventional treatment beyond conservative methods; Peripheral Nerve Stimulation (PNS) is an option. - The COMFORT study enrolled subjects with various chronic pain etiologies and diagnoses: - Post- traumatic - Post-surgical - Mononeuropathy - Osteoarthritis (OA) - Peripheral neuropathy	- Eligible subjects had one of the mentioned etiologies in the knee, low back, shoulder and foot/ankle. - Subjects randomized to - PNS + Conventional Medical Management (CMM), or - CMM alone - PNS delivered using a battery-free micro-Implantable Pulse Generator (IPG) with complex programming capabilities.	6-Month Outcomes (n=60)					
			n=23	n=13	n=14	n=8	n=2
		Baseline	7.52	7.53	7.12	7.88	7.66
		Average Pain score (NRS)	1.91	2.61	2.50	2.37	3.00
		Responder Rate	91%	69%	79%	88%	50%
		Avg Pain Relief	73%	64%	67%	69%	56%
		12-Month Outcomes (n=61)					
			n=23	n=12	n=15	n=8	n=3
		Average Pain score (NRS)	1.91	2.67	2.8	1.88	2.67
		Responder Rate	91%	92%	73%	88%	100%
		Avg Pain Relief	73%	65%	60%	77%	65%



References:
1. Hatheway Reg Anesth Pain Med 2024;0:1-7. Doi:10.1136/rapm-2023-105264.
2. Hatheway J, Hersel A, Engle M, et al. Reg Anesth Pain Med Epub 2024 doi: 10.1136/rapm-2024-106099.

Figure- Left, shows consistent pain relief across etiologies at 3, 6 and 12 months, irrespective of pain etiology.
Table- above, outlines the outcomes at 6 and 12 months based on diagnosis at enrollment and randomization.

CONCLUSIONS

- Significant and sustained pain relief across various peripheral chronic pain conditions with PNS.
- Patients experienced high responder rates and pain reductions, sustained at both 6 and 12 months, irrespective of etiology of pain.
- Broad applicability and long-term effectiveness of PNS, establishing the micro-IPG as a versatile tool for managing diverse pain types.