



Pain Relief Clinical Study Results:

Provant Therapy is associated with marked patient improvement, across several metrics of pain relief

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Pain that persists after spinal surgery is referred to as Failed Back Surgery Syndrome (FBSS). Up to 30% of back surgery patients experience pain beyond the postoperative period. Persistent pain may lead to reduced physical function, increased use of opioid analgesics, and expensive procedures. Provant electromagnetic energy is an alternative pain relief treatment, and may allow avoidance of these procedures.

	Procedure Type	Persistent Pain %
Decompression Surgery	Laminectomy	20-30%
	Foraminotomy	
Fusion	Fusion	30%
Disc Material Removal	Discectomy	23% moderate, 9% severe
	Herniated Disc Removal	

Avoidable Procedures	Typical Costs
Interventional procedures Cost depends upon site of service and specific procedure	Epidural steroid injection: \$200-700+; up to 3 in series Ablation: \$400-\$800+ each session
Spinal cord stimulator Initial and for failed device	Device placement: \$32,000+ Annual maintenance: \$5,000+
Spinal cord drug pump Initial and for failed device	Device placement: \$35,600 Refills: \$358 each
Lumbar fusion Total average costs over 5 years for initial surgery and revisions	\$22,708
Physical Therapy	\$50-\$350+ per session
Opioid complications Nausea, constipation, bowel obstruction	\$7,745 - \$29,086

RegenesiS conducted a 34 subject prospective case series in this patient population. In a substantial proportion of subjects enrolled, Provant was associated with markedly improved pain scores, improved overall well-being, improved physical function, reduced analgesic consumption, and potential avoidance of costly procedures.

A journal article is being drafted; you may read the full preliminary white paper here: <http://bit.ly/1nnxcPT>
To learn more about Provant, please contact your local RegenesiS representative, or visit www.regenesiSbio.com

Sincerely,

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