

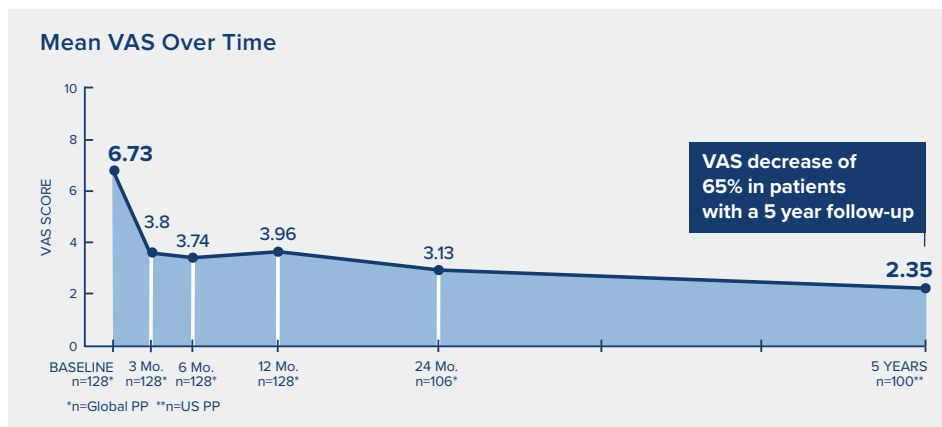
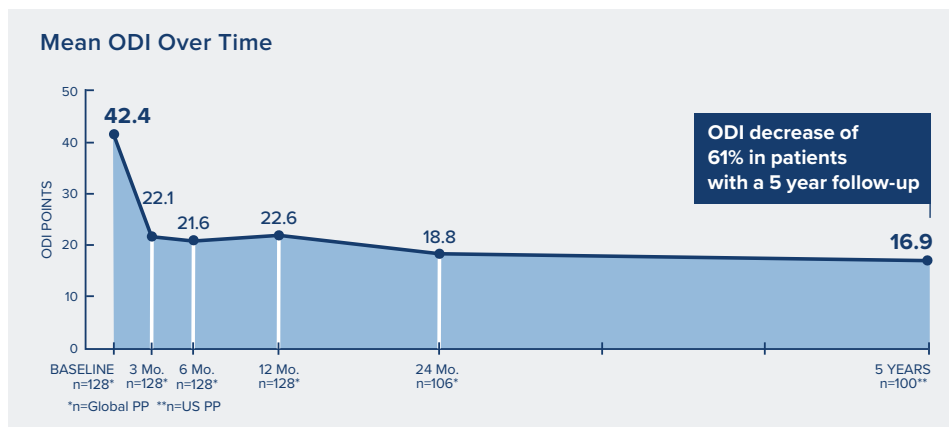
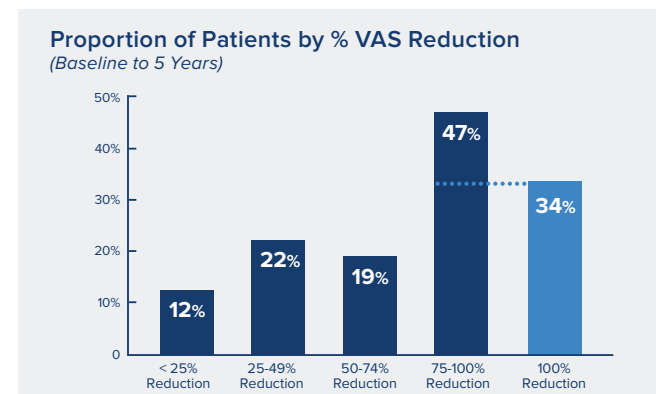
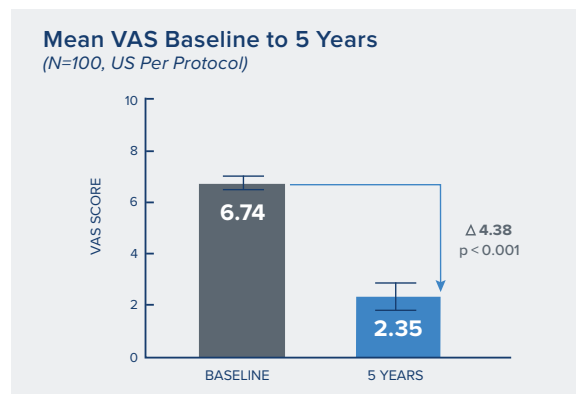
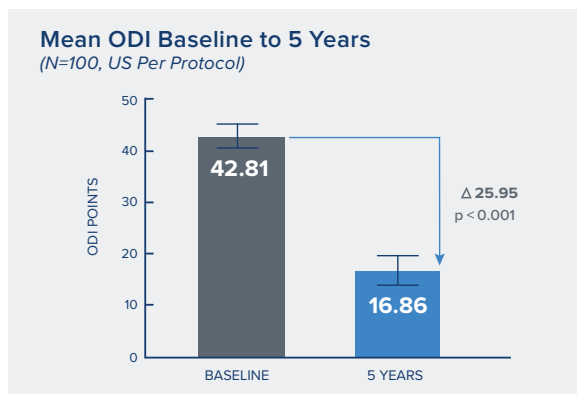
# SMART Five Year Treatment Arm Results<sup>3</sup>

## Study Design

- Prospective five year follow-up of the SMART US treatment arm patients<sup>1,2,3</sup>
- All 13 US treating sites participated
- Retention rate of 85% per protocol treatment arm population (n=100)
- Mean follow-up of 6.4 years (range 5.4 to 7.8 years posttreatment)

## Key Findings

- ODI: 25.95 point improvement at 5 years (from 42.81 to 16.86 (p<0.001))
- VAS: 4.38 reduction at 5 years (from 6.74 to 2.35 (p<0.001))
- One-third (34%) of patients were pain free at 5 years
- Two-thirds (66%) of patients reported a ≥ 50% improvement in pain (p < 0.04)



1. Fischgrund JS, Rhyne A, Franke J, Sasso R, Kitchel S, Bae H, et al. Intraosseous basivertebral nerve ablation for the treatment of chronic low back pain: a prospective randomized double-blind sham-controlled multi-center study. *Eur Spine J.* 2018;27(5):1146-56. DOI: 10.1007/s00586-018-5496-1
2. Fischgrund JS, Rhyne A, Franke J, et al. Intraosseous Basivertebral Nerve Ablation for the Treatment of Chronic Low Back Pain: 2-Year Results from a Prospective Randomized Double-Blind Sham-Controlled Multicenter Study. *International Journal of Spine Surgery*, Vol. 13, No. 2, 2019, pp. 1-10. doi:10.14444/6015
3. Fischgrund JS, Rhyne A, Macadaeg K, Moore G, Kamrava E, Yeung C, et al. Long-term outcomes following intraosseous basivertebral nerve ablation for the treatment of chronic low back pain: 5 year treatment arm results from a prospective randomized double-blind sham-controlled multi-center study. *Eur Spine J.* epub May 25, 2020. <https://doi.org/10.1007/s00586-020-06448-x>