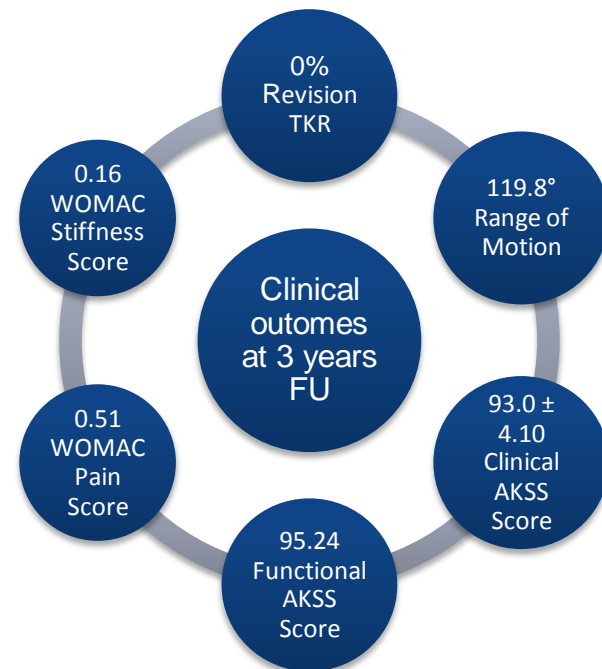


Freedom Total Knee System Study

Study Highlights

- Principal Investigator: Dr. Avatar Singh
- It was a retrospective, post marketing study in which Freedom Total Knee System surgeries performed between April 2011 to October 2012
- Three years clinical follow-up
- Freedom TKS demonstrated good results in regard to the range of motion, reduced postoperative stiffness and pain, and improved functionality



❖ Study Design

A retrospective, post-marketing study



158 patients were enrolled from April 2011 to October 2012 in a single centre in India

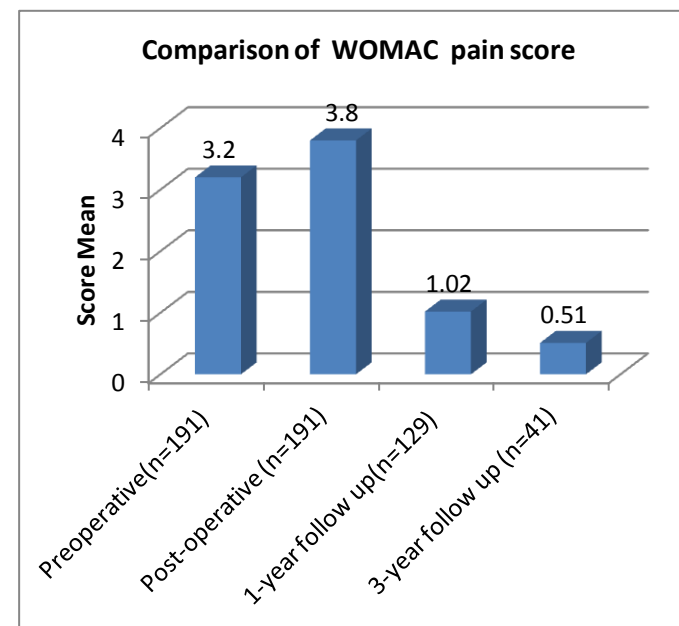
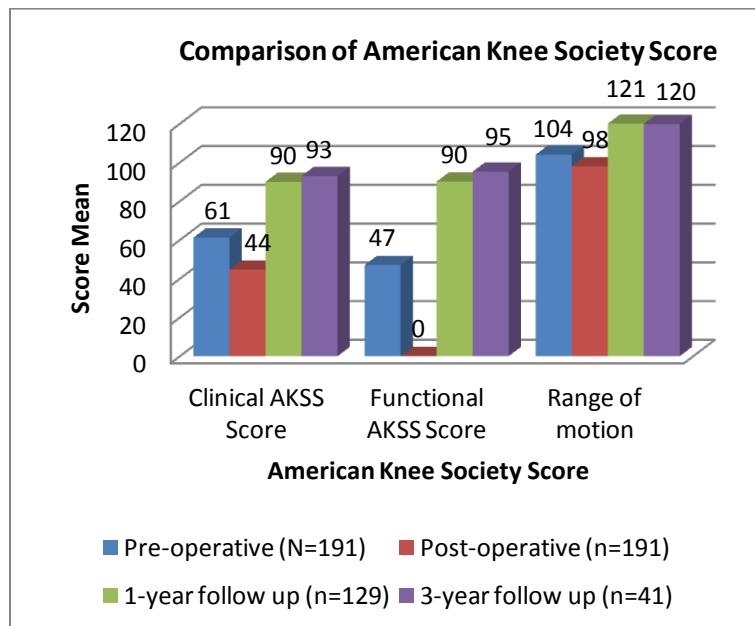


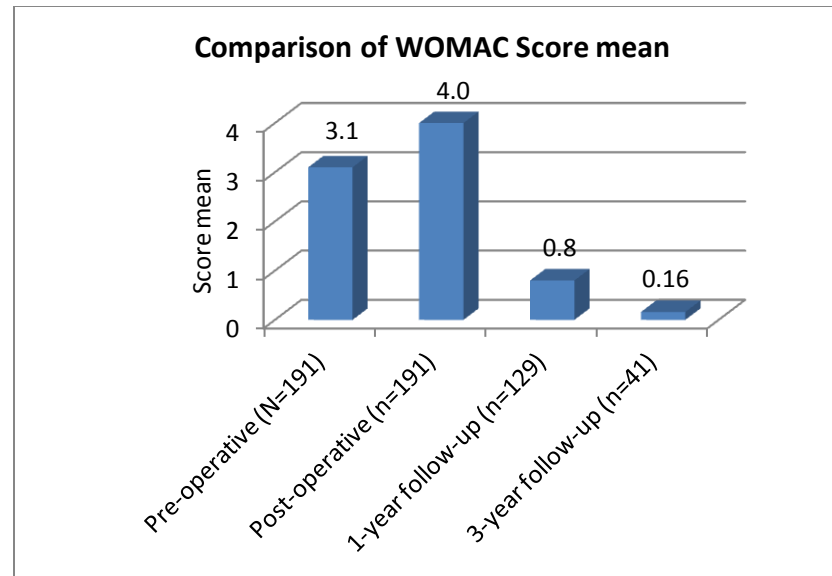
Clinical follow-up at 1-year and 3-year



Clinical outcomes for performance and survivorship were analyzed

❖ Clinical Results





❖ Endpoints

Primary Performance endpoint	Primary Efficacy endpoint	Secondary Efficacy endpoint			
Absence of revision TKR at 3-years FU	Range of Motion at 3-years FU	AKSS Clinical Score at 3-year FU	AKSS Functional Score 3-year FU	WOMAC Pain Score at 3-years FU	WOMAC Stiffness Score at 3- FU.
0 %	119.8° ± 11.05°	93.0 ± 4.10	95.24 ± 23.39	0.51 ± 0.71	0.16 ± 0.48

❖ Reference

1. Clinical Trial Registry- India (CTRI)- <http://ctri.nic.in/Clinicaltrials/pmaindet2.php?trialid=13449&EncHid=&userName=Freedom>
2. Singh A, Singh KK. Clinical Evaluation of Efficacy and Performance of All-Poly Tibial Freedom® Total Knee System for Treating Osteoarthritis Patients: Three-Year Follow Up Study. Journal of Clinical and Diagnostic Research. 2017;11(9):RC01-RC5.