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
Clinical Results

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.

- **Comparison American Knee Society Score**
  - American Knee Society Score
  - Clinical AKSS Score
  - Functional AKSS Score
  - Range of motion
  - Score Mean

- **Comparison of WOMAC pain score**
  - Score Mean
  - Preoperative (n=191)
  - Post-operative (n=191)
  - 1-year follow up (n=129)
  - 3-year follow up (n=41)
Endpoints

<table>
<thead>
<tr>
<th>Primary Performance endpoint</th>
<th>Primary Efficacy endpoint</th>
<th>Secondary Efficacy endpoint</th>
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<tbody>
<tr>
<td>Absence of revision TKR at 3-years FU</td>
<td>Range of Motion at 3-years FU</td>
<td>AKSS Clinical Score at 3-year FU</td>
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<tr>
<td>0 %</td>
<td>119.8° ± 11.05°</td>
<td>93.0 ± 4.10</td>
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<td>95.24 ± 23.39</td>
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<td>WOMAC Pain Score at 3-years FU</td>
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<td>0.51 ± 0.71</td>
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<td>WOMAC Stiffness Score at 3- FU.</td>
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<td>0.16 ± 0.48</td>
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Reference

1. Clinical Trial Registry- India (CTRI) - [http://ctri.nic.in/Clinicaltrials/pmaindet2.php?trialid=13449&EncHid=&userName=Freedom](http://ctri.nic.in/Clinicaltrials/pmaindet2.php?trialid=13449&EncHid=&userName=Freedom)