There are clinically proven health economic benefits for knee arthroplasty, in particular Partial Knee Arthroplasty (PKA) in comparison to total knee arthroplasty (TKA). PKA is a cost effective, proven solution for uni-compartmental osteoarthritis.

**POTENTIAL COST SAVINGS VS. TKA**

- **18%↓** On average lower procedural cost savings of approximately $3,261 per knee, and $105 million annually found in one UK study.
- **Substantial cost savings** of approximately $3,261 per knee, and $105 million annually found in one UK study.
- **Cost-effective treatment** at all ages and the incremental benefit increased with age.
- **Shorter Hospital Stays**
  - TKA: 2.2* days
  - PKA: 1.4* days
  - *Average length of stay in days annually in one study
- **According to Kazarian et al, “PKA should be chosen over TKA in order to maximize cost-effectiveness.”**

**REDUCED RISK OF COMPLICATION vs. TKA**

<table>
<thead>
<tr>
<th>Type of Complication</th>
<th>TKA</th>
<th>PKA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Risk of post-operative complications</td>
<td>11%</td>
<td>4.3%</td>
</tr>
<tr>
<td>Risk of transfusion</td>
<td>11%</td>
<td>0%</td>
</tr>
<tr>
<td>90-day rates of readmission**</td>
<td>4.2%</td>
<td>2.7%</td>
</tr>
</tbody>
</table>

**BENEFITS TO SOCIETY vs. TKA**

- **One study found PKA has an estimated lifetime societal savings $987 million to $1.5 billion every year.**
- **Total lifetime societal savings for PKA in 2015 are predicted to increase according to Shankar et al.**
- **Kievit et al. found PKA patients returned to work within 3 months.**
- **PKA had lower total surgical costs according to one study.**

<table>
<thead>
<tr>
<th></th>
<th>PKA</th>
<th>TKA</th>
</tr>
</thead>
<tbody>
<tr>
<td>PKA</td>
<td>$11,397</td>
<td>$16,243</td>
</tr>
<tr>
<td>PKA vs. TKA</td>
<td><strong>73%</strong></td>
<td>48%</td>
</tr>
</tbody>
</table>
References