References


4. Sochart D, H. et al. Results of the C-STEM polished triple tapered femoral component. JBJS Br 2010; 92-B: SUPP 1 99


Table HT15  Cumulative Percent Revision of Primary Total Conventional Hip Replacement with Hybrid Fixation

<table>
<thead>
<tr>
<th>Femoral Component</th>
<th>Acetabular Component</th>
<th>N Revised</th>
<th>N Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-Stem AMT</td>
<td>Pinnacle</td>
<td>34</td>
<td>1731</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.9 (0.5, 1.4)</td>
<td>2.2 (1.5, 3.2)</td>
</tr>
</tbody>
</table>


9. C-Stem Sales Year 2005 to Year 2016 data on file DePuy Synthes.


The third party trademarks used herein are the trademarks of their respective owners.

This publication is not intended for distribution in the USA.
Launched in 2005, the C-STEM AMT has been provided to patients in over 85,000 total hip replacements Worldwide with 41,000 in the UK alone.*

C-STEM AMT AND MARATHON™ cemented cup is shown to have a 98.65% survival rate at 7 years in over 4,400 cases. In combination with the PINNACLE cementless cup it is shown to have a 95.36% survival rate at 10 years in over 5,800 cases.

98.96% survivorship at 14 years
99.2% survivorship at 10 years
No failures at 5 years
97.2% survivorship at 12 years
96.4% survivorship at 7 years

<table>
<thead>
<tr>
<th>Combination</th>
<th>Implantations</th>
<th>Year 1</th>
<th>Year 3</th>
<th>Year 5</th>
<th>Year 7</th>
<th>Year 10</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-STEM AMT Cemented Stem/ MARATHON</td>
<td>4,414</td>
<td>0.45 (0.28-0.73)</td>
<td>0.94 (0.61-1.45)</td>
<td>1.35 (0.79-2.32)</td>
<td>1.35 (0.79-2.32)</td>
<td>-</td>
</tr>
<tr>
<td>C-STEM AMT Cemented Stem/ PINNACLE</td>
<td>5,863</td>
<td>0.75 (0.55-1.02)</td>
<td>1.14 (0.86-1.50)</td>
<td>1.89 (1.41-2.33)</td>
<td>2.23 (1.61-3.07)</td>
<td>4.64 (2.68-7.97)</td>
</tr>
</tbody>
</table>

National Joint Registry for England, Wales, Northern Ireland and the Isle of Man. Revision rates (all-cause) for main hip stem and cup combinations (95% confidence intervals).

Note: Blue italics signify that fewer than 250 cases remained at risk at those time points.

98.65% survival rate at 7 years in over 4,400 cases.
In combination with the PINNACLE cementless cup it is shown to have a 95.36% survival rate at 10 years in over 5,800 cases.

C-STEM AMT, used in combination with the PINNACLE cementless cup is shown to have a 96.4% survival rate at 7 years in more than 1,700 cases.

- The original C-STEM® implant established a tapered slip stem that not only worked with the bone cement mantle, but was also designed to produce positive proximal bone remodelling due to more anatomic stress distribution.7
- C-STEM & ELITE PLUS OGEE® cemented cup is shown to have a 97.2% survival rate at 12 years in over 4,700 cases.
- Sochart et al in 2009 noted that in their patient series follow up they noticed “There was no evidence of negative bone remodelling” which is an issue seen with other cemented stems.8
- With nearly 15 years clinical use the PINNACLE® Acetabular Cup System is DePuy Synthes’ premium Acetabular system.
- PINNACLE Acetabular Cup System offers surgeons the ability to address existing pathologies whilst choosing from MARATHON® or ALTRX™ cross linked polyethylene or CERAMAX™ ceramic liners.
- 10 years data in combination with the original C-STEM (95.6% at 10 years) in the AOANJRR6 and 10 years data with C-STEM AMT in the NJR.3
- Uses ENDURON UHMWPE material unchanged since launch in 1994 with excellent clinical survivorship.2
- Available in 5 Outer Diameters 40 mm / 43 mm / 47 mm / 50 mm / 53 mm in Unflanged LPW, Flanged LPW and OGEE LPW designs for 28 mm and 32 mm head sizes.
- Design and fixation features same as the successful CHARNLEY® LPW range of cemented cups.

* C-STEM AMT standard and high offset stems launched in 2005.