Clinical and Scientific Literature Supporting Surgical Use: LSI Titanium Fastener Technology

Complete Compendium of 288 References in Chronologic Order

Section 1: Peer-Review Posters, Presentations, and Publications
Select References are highlighted


49. Ferdinand FD. Cardiac surgery outcomes - celebrating 50 YEARS of cardiac surgery [Book]. 2011.


78. Lee CY, Knight PA, Sauer JS, Gorea HR, Martellaro AJ. Comparison of strength, consistency and speed of manually-tied knots vs. automated titanium fasteners in an ex-vivo minimally invasive mitral ring model using a new micro-transducer pressure analysis system. ISMICS 2013 Abstract.

79. Lee CY, Knight PA, Sauer JS, Gorea HR, Martellaro AJ. Comparison of strength, consistency and speed of manually-tied knots vs. automated titanium fasteners. ISMICS 2013 Poster.

80. Lee CY, Knight PA, Sauer JS, Gorea HR, Martellaro AJ. Comparison of strength, consistency and speed of manually-tied knots vs. automated titanium fasteners. ISMICS 2013 Presentation.
81. Rodriguez R, Sutter FP, Samules LE, Ice D. Clinical outcomes of patients more than one year after minimally invasive mitral valve repair and replacement surgery with sutures secured using automated titanium fasteners. ISMICS 2013 Abstract.


100. Lee CY, Lehoux JM, Knight PA. Titanium fasteners in open aortic valve replacement surgery: effective and significant savings. ISMICS 2014 Presentation.

102. Del Rio M. Facile implantation of neochordae for complex mitral valve repair with the minimally invasive right thoracotomy approach: 2 Year Follow-up. ISMICS 2014 Poster.


123. Lee CY, Lehoux JM, Knight PA. Prospective, randomized clinical trial of titanium fasteners compared to hand-tied knots in open aortic valve surgery: assessment of time savings, cost and safety. STS 2015 Abstract.

124. Lee CY, Lehoux JM, Knight PA. Prospective, randomized clinical trial of titanium fasteners compared to hand-tied knots in open aortic valve surgery: assessment of time savings, cost and safety. STS 2015 Presentation.


Pending Publication


Section 2: Related Videos Available Online


### COR-KNOT® IN CARDIAC SURGERY

<table>
<thead>
<tr>
<th>Clinical Use (2007)</th>
<th>&gt;11 YEARS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium Fastener</td>
<td>317,551</td>
</tr>
<tr>
<td>Surgical Cases</td>
<td>635,102</td>
</tr>
<tr>
<td>COR-KNOT® Devices Used</td>
<td>5,198,184</td>
</tr>
<tr>
<td>Fasteners Placed</td>
<td>6,760,187</td>
</tr>
</tbody>
</table>

### Ti-KNOT® IN NON-CARDIAC SURGERY

<table>
<thead>
<tr>
<th>Clinical Use (1999)</th>
<th>&gt;18 YEARS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surgical Cases</td>
<td>297,627</td>
</tr>
<tr>
<td>Ti-KNOT® Devices Used</td>
<td>297,627</td>
</tr>
<tr>
<td>Fasteners Placed</td>
<td>1,562,003</td>
</tr>
</tbody>
</table>

#### COMBINED TOTAL

- >18 YEARS
- 615,178
- 932,729
- 6,760,187

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62 Countries