Integra® Salto Talaris® Total Ankle Prosthesis

The innovative Salto Talaris® Total Ankle Prosthesis is a comprehensive primary and revision total ankle system. With over 20,0001 devices implanted since 2006 with a 97.5% survivorship at 5.2 years follow-up,2 the Salto Talaris Total Ankle System continues to be one of the top choices for ankle replacement. Modeled after the human anatomy, the Salto Talaris prosthesis provides surgeons the ability to reproduce the natural kinematics of the ankle with an anatomic design.

The Salto Talaris implant design and instrumentation is founded on the Salto mobile-bearing ankle prosthesis, which has been in clinical use since 1997. It is designed to allow for the same amount of motion between the PE Insert and the talar component as the mobile-bearing version of the Salto. The goal of the precision bearing design is to alleviate point loading and minimize the risk of polywear and cyst formation. The precision-bearing concept encompasses mobile bearing instrumentation and tolerances built into the polyethylene insert and talar component interface.2

The Salto Talaris is indicated as a total ankle replacement in both primary or revision surgeries for patients with ankle joints damaged by severe rheumatoid, post-traumatic, or degenerative arthritis. Components are intended for cemented use only.

Features and Benefits

**Modular Revision System**
- Flat-cut talar component can be used as a total ankle replacement in primary or revision surgery
- The Salto Talaris has a dedicated revision system that allows for surgeons to replace failed competitive prostheses or revise Salto Talaris components while preserving the blood supply and bone stock

**Anatomic Talus**
- Four talar component sizes 0-3 are wider anteriorly designed to match the natural anatomy
- Larger lateral condyle designed to mimic the natural kinematics of the ankle, with a conical axis of rotation that may avoid overstressing the deltoid ligament

**Accurate and Reproducible Instrumentation**
- The instrument system is designed for accurate component positioning with tibial and talar preparations that are separate but co-dependent

**COMPONENT COMPARISON CHART**

<table>
<thead>
<tr>
<th>Component</th>
<th>Standard Tibial Trays</th>
<th>Extended Tibial Trays</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size 0</td>
<td>30 mm</td>
<td>30 mm</td>
</tr>
<tr>
<td>Size 1</td>
<td>33 mm</td>
<td>33 mm</td>
</tr>
<tr>
<td>Size 2</td>
<td>35 mm</td>
<td>35 mm</td>
</tr>
<tr>
<td>Size 3</td>
<td>37 mm</td>
<td>37 mm</td>
</tr>
</tbody>
</table>

1. Data from Cochrane Database of Systematic Reviews (CDSR). 2016, Issue 1. [Insert link]
2. Integra Medical. 2018. (Unpublished data)
• The Salto Talaris prosthesis recreates the natural conical flexion and extension axis of the ankle as opposed to competitive designs that convert the ankle flexion and extension axis to a cylindrical axis

• Maintaining natural motion of the replaced ankle may reduce the stresses on the deltoid ligament complex

• Designed to allow the replaced ankle to mimic the same motion as the opposite healthy ankle


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