Pivot Guardian
Distraction System

Freedom to operate
Mission

Together with our customers, we are driven to make healthcare better.
Demand for hip arthroscopy is growing

US compounded annual growth rate\(^1\)
2016 - 2021

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Hip arthroscopy</td>
<td>98</td>
<td>116</td>
<td>138</td>
<td>163</td>
<td>193</td>
<td>229</td>
<td>271</td>
</tr>
<tr>
<td>Shoulder arthroscopy</td>
<td>0.9%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Meniscal repair</td>
<td>1.6%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

\(^1\) Number of procedures (In thousands)
The hip arthroscopy opportunity

Innovation in hip arthroscopy can improve operating room efficiency and the standard of care for patients.

### OR Efficiency

$60-100

The approximate cost of each wasted minute of OR time in the US.\(^7\)

### 1 hour

Adding a 1 hour case in an OR every day can increase annual profit by as much as $500,000.\(^8\)

### Pudendal nerve dysfunction

Symptoms of neuropraxia of the pudendal nerve include perineal pain and hypoesthesia or anesthesia of the glans penis and scrotum in men and perineum and labia in women. This may be associated with sexual disorders including erectile and ejaculatory disturbances and hypo-orgasmia.\(^2\)

- **46%**  
  Hip arthroscopy patients reported nerve dysfunction symptoms

- **22%**  
  After 26 weeks

- **18%**  
  After one year

### Traction force & time

Traction time **greater than 2 hours** may **increase the risk of skin lesions or nerve injury.**\(^4\)

- **> 2 hours**

Traction force needed to achieve sufficient visualization of the hip joint in an anesthetized patient.\(^5,6\)

- **50 - 120 lbf**

---

*in a recent study.*
Pivot Guardian Distraction System
Fine and gross traction controls
Designed to provide precise control and better range-of-motion. The surgeon can easily make adduction, abduction, as well as extension and flexion hip adjustments. It also allows for internal and external rotation of the hip.

Traction force gauge
The system includes a traction force gauge that estimates the amount of force on the patient.

Post-free
The Pivot Guardian Distraction System is designed to mitigate post related complications.

Faster OR turnover
The Pivot Guardian Distraction System is designed to minimize the time and effort required for transport, setup and takedown.

Gas shocks
Allow the surgeon to easily raise and lower the patient’s foot during surgery.

Carbon fiber construction
Radiolucent carbon fiber construction minimizes the amount of metal components surrounding the hip, the anterior and posterior visualization during surgery, a “true AP radiographic shot”.
Next generation boot

State-of-the-art design and manufacturing that improves the patient experience and operating room efficiency.

**Boa System**
Deliver precise fit and adjustment to distraction system boots, enhancing the comfort and safety of the patient.

**Achilles block**
Designed to secure the patient’s ankle during distraction.
References
7. Complexities in the Operating Room, Patrick Garner, UPMC Presbyterian and Montefiore Surgery Department, University of Pittsburgh, Pittsburgh, PA.