

Evidence in focus

Publication summary

Harris AI, et al. *Arthroplast Today* (2017)*



Supporting healthcare professionals for over 150 years

Significant improvements in patient-reported Knee Society Scores (KSS) seen with JOURNEY[®] II BCS

More than 90% of patients returned to work within six months of surgery



Study design

- A US multicentre case series assessing short-term patient-reported outcomes following JOURNEY II BCS total knee arthroplasty (TKA)
 - 186 patients were enrolled at six months post-TKA (209 knees; mean age, 61.1 years)
 - Patient pain relief, functional abilities and fulfillment of expectation (as measured by KSS) data were collected at 6, 12 and 24 months post-TKA



Key results

- Significant improvements were noted from six to 24 months patient-reported outcomes:
 - Satisfaction (32.7 to 35.2; $p < 0.0001$)
 - Patient expectation (10.4 vs 10.9; $p = 0.039$)
 - Functional activities (75.4 vs 81.5; $p < 0.0001$)
- Low pain scores were reported at 24 months post-TKA (0–10 pain scale)
 - Pain with level walking: 0.79
 - Pain with stair or incline: 1.50
- Over 90% of patients had returned to work by the six-month follow-up (Figure)

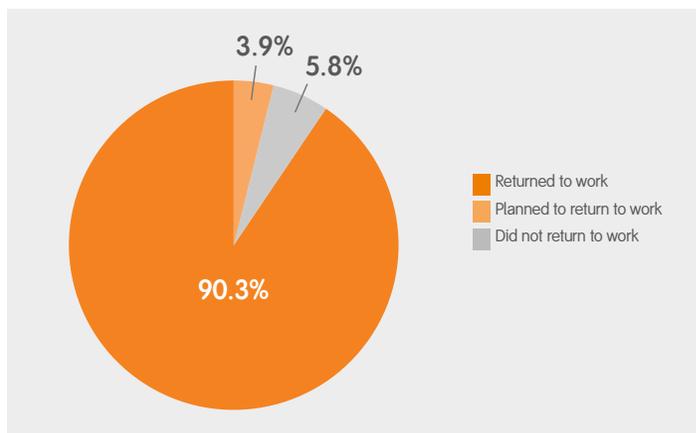


Figure. The percentage of patients who had returned to work, or planned to, at six-month follow-up



Conclusion

JOURNEY II BCS showed significant improvements in patient-reported KSS and movement-associated pain at 24 months post-TKA.



Considerations

- Owing to the retrospective enrollment of subjects, baseline KSS scores were not available



Study citation

*Harris AI, Luo TD, Lang JE, Kopjar B. Short-term safety and effectiveness of a second-generation motion-guided total knee system. *Arthroplast Today*. 2018 Feb 16. [Epub ahead of print]