

+ Evidence in focus

Study summary: Snyder MA, et al. *Orthop Trauma Prosth* (2018)*

JOURNEY[◇] II BCS total knee arthroplasty (TKA) patients experience comparable levels of satisfaction and activity to total hip arthroplasty (THA) patients in short-term follow-up

+ Plus points

Compared to THA patients, JOURNEY II BCS patients reported:



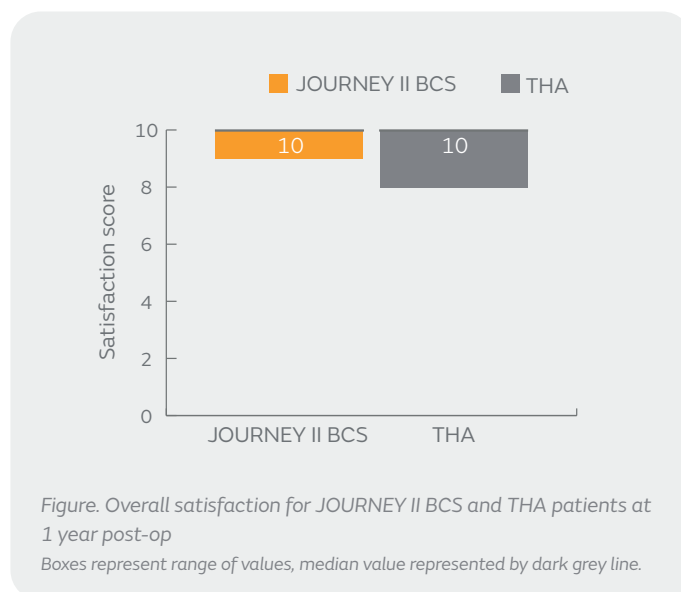
Overview

- Retrospective review of data from a total joint registry in Cincinnati, Ohio, comparing patient outcomes between clinically matched JOURNEY II BCS TKA and THA patients
 - 48 JOURNEY II BCS patients (mean age, 58.3 years; male, 54.2%)
 - 48 THA patients (mean age, 55.9 years; male, 64.6%)
- Overall patient satisfaction, University of California Los Angeles (UCLA) activity scores and EuroQol five-dimension scores (EQ-5D) were compared at 3 months and 1 year post-op

Results

Compared to THA patients, JOURNEY II BCS patients reported

- No significant difference in overall satisfaction at 3 months ($p = 0.398$) and 1 year ($p = 0.590$; Figure)
- Significantly improved median UCLA activity scores at 3 months (8 vs 7; $p = 0.028$) and 1 year (8 vs 7; $p < 0.001$)
- Significantly improved median EQ-5D scores at 3 months (90 vs 80; $p < 0.001$), no significant difference in EQ-5D scores at 1 year
- No significant difference in patient quality of life measures (time to return to work, activities of daily living or sports activities) at 3 months and 1 year
- Similar clinical improvements over time in pain and joint function
 - 43.8% patients scored ≥ 95 on the Knee Society (KS) pain score at 3 months, which increased to 91.7% at 1 year
 - 37.5% patients scored ≥ 90 on the KS function score at 3 months which increased to 95.8% at 1 year



Conclusions

JOURNEY II BCS TKA patients reported similar levels of satisfaction and patient reported outcomes as THA patients at 3 months and 1 year post-op. The kinematic design advancements of JOURNEY II BCS demonstrate improvements in patient satisfaction following TKA compared to past TKA procedures, via comparison with THAs.

Citation

*Snyder MA, Sympton A, Gregg J, Levit A. A comparison of patient reported outcomes between total knee arthroplasty patients receiving the JOURNEY II bi-cruciate stabilizing knee system and total hip arthroplasty patients. *Orthop Trauma Prosth*. 2018; <http://doi.org/10.15674.0030-5987201835>.

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