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White Paper Journal
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Title

**IN VIVO KINEMATIC EVALUATION AND DESIGN CONSIDERATIONS
RELATED TO HIGH FLEXION IN TOTAL KNEE ARTHROPLASTY**

Authors

Argenson JN, Scuderi GR, Komistek RD, Scott WN, Kelly MA, Aubaniac JM

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Purpose/Premise

This article reports on an in vivo kinematic analysis of high-flex implants.

Material and Methods

Fluoroscopy was used to evaluate the three-dimensional motions of the tibiofemoral joint during deep flexion of 20 patients with high-flex knee implants.

Outcomes

The average weight-bearing range of motion was 125°. All subjects experienced kinematic patterns that were similar to the normal knee.

Conclusion/Recommendation

The authors concluded that the design elements of the high-flexion implant can contribute to increased postoperative flexion compared to standard implant designs.

More information about this article may be requested from your local Zimmer representative or by logging onto science.zimmer.com.