**Title of Article:** Medium-Term Results of Total Knee Arthroplasty Using a Medially Pivoting Implant: A Multicenter Study

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**Product(s):** ADVANCE® Medial-Pivot

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**Publication Highlights**

- This study evaluated the performance of the ADVANCE® Medial-Pivot (MP) TKA after a mean follow-up of 5.4 years.
- “The medial-pivot prosthesis resulted in excellent survivorship with good functional results at medium-term follow-up.”

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**Publication Summary**

**Methods**

- Multicenter, prospective clinical study of 276 patients who underwent primary TKA with ADVANCE® Medial-Pivot TKAs
- 298 knees: 254 unilateral, 22 bilaterals; M/F: 111/165
- 59 patients lost to follow-up (21.3%), including 29 deaths (32 knees)
- Mean age of evaluated patients: 69 yrs (range, 39-87 years);
- Mean follow-up: 5.4 years
- Preoperative diagnoses: osteoarthritis (95.3%), traumatic arthritis (3.0%), rheumatoid arthritis (1.3%), and avascular necrosis (0.3%)
- Outcome measurements: Knee Society Score (KSS), flexion, Kaplan-Meier (KM), and radiographs

**Results**

- KM 5-year survivorship: 97.4% with revision or loosening as the endpoint
- Mean improvement in KSS: 57 pts (Pre-op: 33, Post-op: 90, p<0.05)
- KSS: 241 knees with excellent scores, 49 good, 7 fair, 1 poor
- Mean flexion improvement: 14° (Pre-op: 107°, Post-op: 121°, p<0.05)
- All implants were well-fixed and did not indicate any signs of gross migration or impending failure
- Complications: 1 perioperative tibia fracture, 1 implant loosening (no revision), and five revisions (1 tibial revision, 2 for unknown reasons, and 2 for pain)

**Overall Conclusion**

- “In conclusion, the results of this study demonstrate that the medial-pivot prosthesis performs well and achieves its goal at medium-term follow-up of providing patients with a near normally functioning knee with the potential to perform well for many years.”