

## **Does the Implant Design Influence the Outcome after Total Knee Arthroplasty?**

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**Objective:** To compare the outcome of the two different TKA implant designs used at SMC and to derive an estimate for the cost-effectiveness of using different implants.

**Design:** A Retrospective Study.

**Setting:** Department of Orthopedics, Salmaniya Medical Complex, Bahrain.

**Method:** Two hundred ninety-eight patients who had TKA from January 2011 to June 2014 at SMC were reviewed. Patients with different implant designs were compared for pain severity, the range of motion (ROM), walking distance and satisfaction.

**Result:** There were no significant statistical differences in pain severity, ROM, walking distance or patient's satisfaction between the two implant designs used at SMC.

**Conclusion:** Selection of the implant design from the known manufacturers should be based on appropriate criteria.