



***Title***

**CEMENTLESS METAL-ON-METAL HIP ARTHROPLASTY IN PATIENTS LESS THAN 50 YEARS OF AGE: COMPARISON WITH A MATCHED CONTROL GROUP USING CERAMIC-ON-POLYETHYLENE AFTER A MINIMUM 5-YEAR FOLLOW-UP**

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***Publication***

*Journal of Arthroplasty*. 2004;19(8, suppl 3):23-28

***Purpose/Premise***

This article reports on a study that compares *Metasul* Metal-on-Metal Implants with ceramic-on-polyethylene implants in young, active patients.

***Material and Methods***

Thirty-nine cementless THAs were performed on 30 patients using *Metasul* Bearings. They were compared with a matched control group of ceramic-on-polyethylene THAs. Follow-up was a minimum of five years.

***Outcomes***

The results for the metal-on-metal group were significantly better. The control group had nine cases of osteolysis requiring seven revisions due to wear. Five-year survival rates were 97%±2% for the ceramic-on-polyethylene group, and 100% for the metal-on-metal group.

***Conclusion/Recommendation***

The authors suggest that metal-on-metal bearings with cementless components are recommended to prevent wear and osteolysis in young, active patients.

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