



***Title***

**METALLOSIS AFTER CONTEMPORARY METAL-ON-METAL TOTAL HIP ARTHROPLASTY:  
FIVE- TO NINE-YEAR FOLLOW-UP**

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***Purpose/Premise***

This article reports on an evaluation of patients who had experienced a failed metal-on-metal THA.

***Material and Methods***

A histological evaluation was performed on the periprosthetic tissues of 14 patients who had undergone revision arthroplasty after primary arthroplasty with a Sikomet low-carbon, cobalt-chromium alloy metal-on-metal bearing.

***Outcomes***

The evaluations showed metallosis and extensive lymphocytic and plasma-cell infiltration around the metal debris.

***Conclusion/Recommendation***

The authors conclude that periprosthetic osteolysis and aseptic loosening in hips with the Sikomet prosthesis may be associated with hypersensitivity to metal wear particles.

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