



Title

**TIBIAL POST DAMAGE IN TKA'S
IS ASSOCIATED WITH TIBIAL PLATEAU DAMAGE**

Authors

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Purpose/Premise

This study was conducted to analyze the wear damage on posterior stabilized polyethylene articular surface components. One of the objectives was to determine how often the post was involved in wear.

Material and Methods

Retrieval analysis was performed on 45 inserts representing posterior stabilized and constrained condylar articular surface designs. Each component was assessed for a number of damage mechanisms, including delamination.

Outcomes

Delamination occurred on the following surfaces of the post:

- anterior (15.6%)
- posterior (24.4%)
- medial (24.4%)
- lateral (20.0%)
- superior (33.3%)

Conclusion/Recommendation

The authors concluded that damage and delamination of the post surfaces contributed to wear debris.

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