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wear prediction on total pdf

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Total computation time for each damage prediction was less than 30 min. Continuing refinement of this approach will provide a robust tool for accurately predicting clinically relevant wear in ...

Computational wear prediction of a total knee replacement

This book develops and analyses computational wear simulations of the total ankle replacement for the stance phase of gait cycle. The emphasis is put on the relevant design parameters. The book presents a model consisting of three components; tibial, bearing and talar representing their physiological functions.

Wear Prediction on Total Ankle Replacement: Effect of

A computational wear model was developed to produce element- by-element damage predictions given the predicted time history of contact pressures and slip velocities experienced by each element.

Computational Prediction Of In Vivo Wear In Total Knee

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Prediction of Polyethylene Wear Rates from Gait

This book develops and analyses computational wear simulations of the total ankle replacement for the stance phase of gait cycle. The emphasis is put on the relevant design parameters. The book presents a model consisting of three components; tibial, bearing and talar representing their

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