

Shape Analysis for Orthopedics

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Data:



Particle Correspondence Model

Preprocessing

Optimization

Visualization

Segmented femurs – controls (12), young-dox (14), mid-dox (14), old-dox (10) Segmented tibiae – controls (8), young-dox (12), mid-dox (10), old-dox (6)

ShapeWorks Pipeline

z-scores to correlate volume and length (indicate clear separation between control and