



**Figure 6: Effect of dynamic loading on condylar length and width.**  $\mu$ CT 3D reconstruction images (A-C) were used to measure the length and width of the condyle, as shown in the schematic. Measurements were performed on mandibular condyles at Baseline (before initiation of experiment), and in Static and Dynamic Load groups at 56 days (D). Dynamic loading caused a significant increase in the length (B) and decrease in the width (C) of the mandibular condyles.