



Figure 7: Dynamic loading induces changes in condyle cartilage organization. Hematoxylin & Eosin stained longitudinal sections through the condylar cartilage and bone show different morphological layers at 28 and 56 days (A, articular zone; P, proliferative zone; C, pre-hypertrophic zone; H, hypertrophic zone; O, chondro-osseous junction). Photomicrographs show the different zones in experimental animals that received static or dynamic loading for 28 days (A) or 56 days (B). The height of the pre-hypertrophic (C) and hypertrophic (D) zones in control animals that went through natural growth and animals that were exposed to 28 days or 56 days of static or dynamic loads were measure in photomicrographs of H&E stained sections. Values are mean \pm SEM of 6 animals.