



**Figure 4: Dynamic loading increased condylar bone volume and density.** Parametric values of condylar bone were determined from uCT data for Control, Static Load and Dynamic Load groups at day 28. Graphs show (A) Bone Volume fraction (BV/TV), (B) Trabecular Thickness (Tb. Th.), (C) Trabecular number (Tb. N.), (D) Trabecular space (Tb. Sp.), and (E) Bone Mineral Density (BMD) of the condylar bone. Each value presents mean ± SEM of 6 samples. \* Statistically different from Control and Static groups.