



Figure 4: Mesialization-Plate (M-Plate) design. M-Plates have been designed to protract posterior teeth without significant stress on anterior teeth (A). By incorporating several hooks into the design of the plate, it is possible to adjust force direction according to the center of resistance (B, protraction forces shown as blue arrows). By stabilizing the molars with the M-Plate, we can use the molars as anchor units to protract premolars and canines (C, open coil used to protract premolars).