To measure the MBFs to PMMA & flexible base partial dentures in the people who have free end extension over various periods of adaptation.

Thirty free end extension people have been choose and they with: a Cl. I, (36-45) years & means 40 years of age. Fifteen with upper or lower Cl.I without mode area whereas the residual fifteen people with Cl.I opposite Cl.I . The MBF measured at 1st molars area by occlusal force gauge. Then, recording done (at 1^{st}, 10^{th}, 30^{th}, 90^{th} day) from the flexible removable prosthesis insertion primarily then the acrylic prosthesis.

Biggest mean value of MBF was listed in first group at 90^{th} days after insertion flexible removable prosthesis (105.58330 N), and as a whole, flexible removable prosthesis giving the biggest biting forces in both group than acrylic prosthesis and the differences were significant at ($p<0.05$) between them in the MBF .The persons in group one give biggest biting forces in all periods of adaptation when wear flexible removable prosthesis than acrylic prosthesis, and it will increased with increased period of adaptation, with the least biting forces at 1^{st} days & the biggest at 90^{th} days in the two study group.

The conclusion. MBF of person wear removable prosthesis flexible base type was greater from that wear acrylic type , period of adaptation when increase, the bite force become greater. The person wear one prosthesis opposite normal dentitions give MBF greater than the person wearing a two prosthesis upper against lower [Kennedy classification Cl. I opposite Cl. I] .