CHAPTER 3

C. THE FINAL WORD
THE FINAL WORD

This study adds to yet another contribution in the field of mechanical properties of flowable composites. Mechanical properties of dental materials are of utmost concern to the clinician because on them depends the function of the restored tooth. Newly introduced materials were selected for the study because in this era of innovation and technology new products are being launched every now and then. In this case it is very tricky for the clinician to decide which material is the best to use. Para Core gets the first rank as core build up material owing to its high compressive and flexural strength and high fracture resistance. Luxacore Z Dual was not far behind and will be ranked second although its tensile strength was the best among all materials.

If we co-relate mechanical properties such as compressive strength, tensile strength and flexural strength of materials alone tested in this study with the fracture resistance of the materials when used on teeth then we can conclude that there is a direct relation between the two. However further research is required in this direction for better understanding of the subject.