

## **Infrared and Carbon 13 ( $^{13}\text{C}$ ) nuclear magnetic resonance (NMR) spectroscopic analysis of visible light cure resin as denture base material**

Visible light curing denture system ( VLC ) is a new method for the construction of complete dentures . The system composed of VLC denture base material supplied in sheets & rope form .This system eliminates the need for wax , flask,boil out tanks,packing presses & heat processing units for conventional denture construction.

Few information are given on the chemical composition of VLC triad system that is kept as trade secret .In this study infra red & C13 NMR assignment were made to give mor information on the chemical composition of VLC resin in comparison to conventional heat cure polymethyl methacrylate used as denture base material