

o The 3D Printed denture base (template) was sealed with the maxillary cast with base plate wax and 3D-printed denture base (template) was used as a pattern for making conventional denture base of the same thickness.

o Flask halves were closed tightened, then hydraulic press was used to ensure complete distribution of acrylic pack in the mold cavity.

o After setting of the investing stone, the flasks were opened, the 3D- printed resin templates were removed, then separating medium was applied on all investing stone surfaces of the flask halves."Fig 15"

o Excess of acrylic resin were removed, then flasks were tightened in the clamp and firmly placed in the acrylic curing unit to be cured by long curing cycle (74o C for 8 hours)."Fig 13 "

o The 3D Printed denture base (template) and maxillary casts were Placed in the flask and ensuring that the casts and flasks were compatible in size."Fig14 "

o The casts were Painted with separating medium (12) and inner surfaces of flasks with Vaseline; to facilitate deflasking.