

## Tooth Preparation designs: A Finesse move

Chief Mentor	<b>Dr. Vilas Patel</b>
Co-Mentor 1	<b>Dr. Sareen Duseja</b>
Co-Mentor 2	<b>Dr. Kavan Patel</b>
Co-Mentor 3	<b>Dr. Birood Patel</b>
<b>Suitable for</b>	<b>New Learners</b>

Tooth preparation is a far more important phase of the treatment although some practitioners never realize this. It must be done with skill and meticulous attention to detail, for everything else that follows pulpal vitality, periodontal health, a good aesthetic result, proper occlusion, protection of remaining tooth structure, and longevity of the restoration itself will depend on it. Dr. Lloyd Miller summed it up succinctly when he wrote, 'No other clinical procedure in fixed Prosthodontics reveals... the care, skill and judgement used by a dentist than the quality of tooth preparation.'

The design and preparation of a tooth for a cast metal or porcelain restoration are governed by five principles: Preservation of Tooth Structure, Retention and Resistance Form, Structural Durability of The Restoration, Marginal Integrity, Preservation of The Periodontium. When preparing teeth in the appearance zone for crowns, the prosthodontists have two general types from which to choose: partial veneer metal restorations that leave the facial surfaces un-covered, or full crowns with a veneer of tooth-coloured material covering the facial surface. The latter are more commonly practised.

It is our desire to provide the viewer/post graduates/delegate with a better understanding of the rationale for tooth preparation designs. We hope that we will put insight into actual technique along with armamentarium for same clearly enough to help the neophyte, master the hands-on skills to become a proud prosthodontist.

**The preparation will highlight the theoretical principles of tooth preparation along with video demonstration on tooth preparation on maxillary central incisor to receive porcelain fused to metal crowns.**