

36. Use of angulated transfer post for making the impression of non parallel implants

Vilas Patel

Narsingbha Patel Dental College, Gujarat

Background - Different impression techniques have various effects on the accuracy of definitive cast dimensions. Inaccuracies may result in implant impressions when they are angulated. Making impressions for angulated implants requires a more precise and time consuming technique when closed tray procedure is followed.. Purpose of the study – purpose of this study is to employ a modified impression post to eliminate the inaccuracy that may result while using straight impression posts used for closed tray technique.. Materials and methods: prefabricated impression posts were duplicated by preparing silicone elastomeric putty index. Inlay wax is poured in the index to duplicate the impression post. All the wax patterns were cut from the platform level and the attached at an angle calculated before so that they are parallel to each other. Channels for screw were created and all wax patterns were placed on the master model and parallelism was confirmed by surveyor. . Subsequently all the patterns were cast using conventional lost wax technique. All cast impression posts were adjusted and fitted on the master model and closed tray impression was made using monophasic polyether impression material.. Clinical implications: there is a scope to develop angulated impression copings for both closed and open tray impressions commercially, with a incremental angulations between 5° to 25° resulting in near parallel impression copings..

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