INTRA ORAL CLASS III CHECK MODELS

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INTRODUCTION:

The treatment of Class III malocclusions consists mainly of repositioning the mandible posteriorly, advancing maxilla or both. ^[1] Since maxillary and mandibular surgical procedures are equally predictable and stable, a differential diagnosis and a corresponding treatment plan are most important. ^[2,3] Stability is dependent upon appropriate assessment of the patient in three planes of spacethe anteroposterior, the vertical, and the transverse.

To check the accomplishment of Presurgical objectives, a check model is often needed. We have devised a fairly simple technique of checking the Maxillomandibular relation intraorally, which is difficult in Class III and open bite cases.

TECHNIQUE:

- After initial leveling and alignment and depending on whether the case is either mandibular setback or maxillary advancement, take the impression of arch to be moved during surgery.
- 2. Trim the model, so that excess base is reduced (Figure 1).

- 3. The model can be easily inserted in patient's mouth to assess the interdigitation and transverse relation (Figure 2 & 3).
- 4. Thus, observing and assessing the presurgical objectives is simplified.

This technique reduces the chairside time as it eliminates the need of taking multiple impressions for assessment of maxillomandibular relation.

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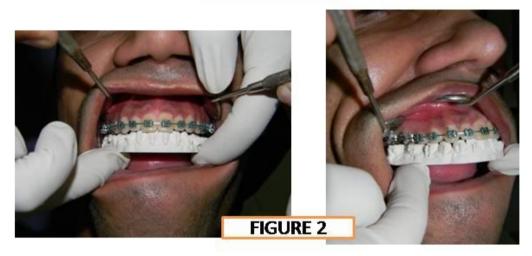




Figure 1: Trimmed model of maxilla and mandible. Figure 2: Indicates the maxillary relation of check model. Figure 3: Shows mandibular relation of check model.