Steps in Creating a Beautiful Smile

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INTRODUCTION

The single most important factor in creating a beautiful smile is the ability to visualize the final result before you begin. Laboratory communication, including photographs and models of the approved temporaries, is key to success. A thorough lab prescription detailing shade, texture, central length, incisal translucency, and any other pertinent information helps to facilitate a predictable result. To develop properly proportioned teeth, it is essential to properly address many characteristics, such as contours, shade, size and length of centrals, phonetics, and occlusion. This leads to a key artistic technique—the art of recontouring—with both temporaries and, if necessary, the final restorations.

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KEY CHARACTERISTICS

OCCLUSION

Occlusion should be developed both in the temporization stage and in the final restorations, and should be balanced in both vertical and anterior excursive movements. A vertical opening of 2 to 3 mm can be achieved with little or no problem if the joint is stable and pain-free. If the occlusion is locked in excursive movements, muscle activity (e.g., lateral pterygoids) may be stimulated and produce spasms and perhaps pain. Each practitioner must work out the occlusion based upon his or her own personal occlusal philosophy. The occlusion must be balanced for suc-
cess. One way to check the final restorations in all movements is with a computerized occlusal analysis system (e.g., T-ScanII [Tekscan; South Boston, MA]).

**Phonetics**

Phonetics should be checked in the temporaries for incisal edge position and length. This can also be checked in a trial mock-up on the patient’s original teeth using flowable composite; as well as in the mouth with an evaluation of the “F” sound, in which the maxillary incisal edges touch the border of the lower lip; and the “E” sound, in which the maxillary incisal edges should be approximately one-half the distance between the lips. These positions are helpful in determining incisal edge length. The correct position of the lingual incline of the upper teeth and labial of the lower teeth can be determined by the “S” sound.

**Shading**

Shading is extremely important in creating natural-looking restorations. We divide the tooth shade into thirds: Cervical color, body color, and incisal color (e.g., A1, OM3, B1). Today, patients desire whiter teeth. However, the trend with practitioners is toward a more natural smile. The eyes and the teeth are major components of the face. Therefore, we ask the patient to bring photographs of smiles they like; usually, they all have a brighter and wider smile in common. The color should be polychromatic (with the value being the most important aspect), with the highest value in the body or center of the tooth. Developing a definitive surface texture with lobing and incisal translucency approximating the age, gender, and personality of the patient all are important in achieving success.2

**Contours**

The contours of the teeth may be the most important feature for a beautiful esthetic result.

**Size and Length**

In developing the lateral incisor, proximal line angles again play an important role in creating a femi-
nine look, with narrow necks and rounded incisal edges, and centrals more dominant and longer. A masculine look, on the other hand, is created by widening the necks, flattening the incisal edges, and making centrals less dominant and almost the same length. The axial inclination should be more mesial and the gingival height should be .5 to 1 mm below a line drawn from the central to the cuspid (Figs 3 & 4).

The development of the cuspid is sometimes the hardest, but most important aspect of the smile—it is the cornerstone of the mouth. There should be two facial planes. The anterior part of the smile ends after the mesial plane, with a slight mesial axial inclination (Figs 5 & 6).5

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In creating the “model look,” which is desired by many people, the buccal corridor is widened. The bicuspids are utilized in widening the smile and taking away the negative space, which is so often present in a person’s smile. By widening the bicuspids area you can also help support a person’s smile and decrease attention to a gummy smile. They must have incisal edge embrasures for definition (Fig 7).

In the temporaries and final restorations you must remember to address the axial inclination, gingival zenith, gingival height, contact areas and incisal embrasures, and gradation from anterior to posterior. Ideally, the incisal edges of the teeth should follow the lower lip’s smile line curve. The facial anatomy should be developed in three planes: Gingival one-third, body, and incisal one-third. One of the most important aspects of tooth design is that the incisal one-third needs to be rolled in so that portion of the restoration
is not bulky (this can lead to the patient complaint that the tooth is prominent or too long). With a short upper lip, roll the incisal edges in so the lips can close around the teeth. The preparations should mimic the final results (Figs 7 & 8).

**SUMMARY**

Today’s esthetically oriented society has embraced the esthetic revolution in dentistry. Our profession is well prepared for today’s increasing esthetic needs. By using the concepts presented here, you should be able to achieve a successful outcome for your esthetic cases.

**References**


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