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Prosthetic Joint Guidelines



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TOP 100 new products

16th Annual

Based on Reader Response

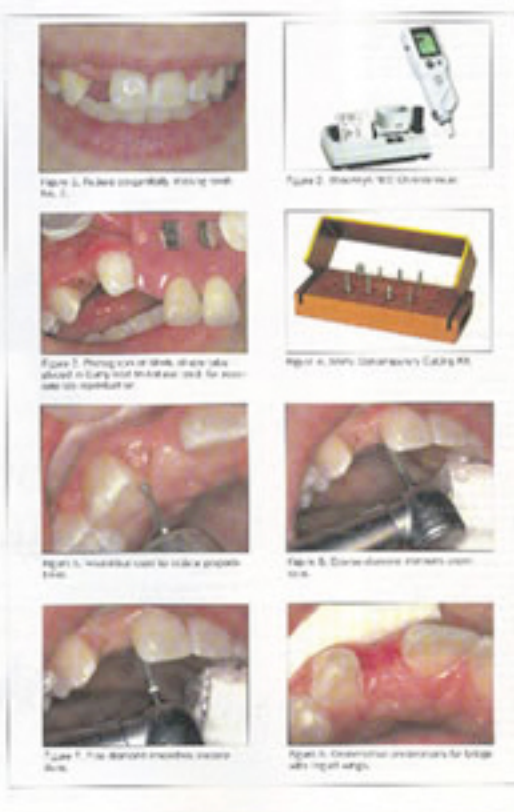
A Missing Front Tooth

Today's standards for restoring anterior dental prostheses that are stable and aesthetic are high. Modern dentistry demands mastery of the best techniques, equipment, and materials to recreate nature with durable restorations. Replacing a maxillary anterior tooth poses a challenge for even the most adept cosmetic dentist. In this article, we'll cover your most common tooth restorations and function to a high degree, while working around limitations such as preservation of tooth structure, the periodontal architecture, and exact tooth match including shade, line, texture, and value.

There are a variety of restorative systems from which to choose, including nonvital restorations, 0-60-year types of fixed bridges, and implants. Whatever you choose, a high degree of skill and knowledge of technique and materials must be employed to ensure a successful outcome with a good prognosis, because this area is highly visible and under constant scrutiny with every smile.

Replacing a maxillary anterior tooth poses a challenge for even the most adept cosmetic dentist.

This task presents even more of a challenge for a younger patient needing a front tooth replaced. I have seen many such cases, including a 12-year-old girl who was congenitally missing teeth No. 7 (Figure 1). This patient was too young to consider an implant, the last best completed orthodontic treatment, and her parents were concerned about transmitting the adjacent right tooth in preparation for a traditional three-unit bridge. The large pulp horns associated with young teeth, and a major concern when planning preparation design. It means that such a young patient shows no signs of wearing a prosthesis, the best fit restorative materials must be used to ensure the most natural results with minimal stability of any restorations. Even with these limitations, the coloration, function, and retention must be optimal. For this patient, my choice of treatment was the previously bonded fixed bridge with restorative vinyl.



Figures 1-8: The bridge procedure, from preparation to final result.

Color Match and the ShadeEye NCC

COLOUR MATCH AND THE SHADEEYE NCC

It is a fact that color matching a missing front tooth is one of the most difficult dental challenges. Color vision is extremely sensitive to subtle differences in color. The ShadeEye NCC Colorimeter (Shade) is designed to detect the exact hue, value, and chroma of the tooth being restored by means of a digital colorimeter. Figure 1 shows the ShadeEye NCC Colorimeter (Shade) in use. The ShadeEye NCC Colorimeter (Shade) is a highly sensitive electronic color-matching device, and is designed to assist with the operator in choosing the most accurate shade for the restoration. The ShadeEye NCC Colorimeter (Shade) is a highly sensitive electronic color-matching device, and is designed to assist with the operator in choosing the most accurate shade for the restoration.

STEP-BY-STEP USE OF THE SHADEEYE NCC

Look at the tooth to be restored to observe the color and characteristics of the tooth.

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As the ShadeEye NCC, into the ShadeEye NCC with "ON" and "OFF" buttons according to instructions.

Color Measurement
With the ShadeEye NCC in the "ON" position, the ShadeEye NCC will display the color measurement on the LCD screen. The ShadeEye NCC will display the color measurement on the LCD screen. The ShadeEye NCC will display the color measurement on the LCD screen.

Second Observation and Verification

To verify appearance of the shade measurement and a second observation of characteristics of the tooth, when the ShadeEye NCC Colorimeter (Shade) is in "ON" position, the ShadeEye NCC will display the color measurement on the LCD screen. The ShadeEye NCC will display the color measurement on the LCD screen.

Preparation

Next, the adjacent teeth were prepared for restorative vinyl on the respective sides, and dental surfaces using the ShadeEye NCC Colorimeter (Shade). Figure 2 shows the ShadeEye NCC Colorimeter (Shade) in use.

used to restore the margins of the preparation (Figure 12). Resinoid (resin) was used to restore the margins, and a resin composite was used to restore the margins. The ShadeEye NCC Colorimeter (Shade) was used to restore the margins. The ShadeEye NCC Colorimeter (Shade) was used to restore the margins.

TEMPERATURE

Temperature for the preparation was maintained at 23°C. The ShadeEye NCC Colorimeter (Shade) was used to restore the margins. The ShadeEye NCC Colorimeter (Shade) was used to restore the margins.

CONCLUSION

In this case, the fixed bridge with restorative vinyl was provided an aesthetic and durable result to replace a missing tooth. The ShadeEye NCC Colorimeter (Shade) was used to restore the margins. The ShadeEye NCC Colorimeter (Shade) was used to restore the margins.

A Missing Front Tooth
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As the ShadeEye NCC, into the ShadeEye NCC with "ON" and "OFF" buttons according to instructions.

Color Measurement

LABORATORY

The laboratory prepared the restorative vinyl on the respective sides, and dental surfaces using the ShadeEye NCC Colorimeter (Shade). Figure 2 shows the ShadeEye NCC Colorimeter (Shade) in use.

AESTHETICS

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References

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