

Advances In Prosthodontics™

New Findings & Best Practices for Cosmetic & Restorative Dentistry

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Do You Have a Patient with Esthetic Challenges?



Here's the story of a patient who was referred from another dental professional...

The emergence profile of a dental implant refers to the contour and position of the soft tissue that surrounds the implant abutment, which emerges from the gum line. Several factors can influence the emergence profile of an implant.

If you have a patient with several missing, broken or severely worn teeth — they may be a candidate for oral rehabilitation with the assistance of an advanced Prosthodontist.

Read more on the next page...

◆ Do you want another opinion on a complex case? Or to talk and share ideas?

There are many ways we can help each other by working together on complex cases and by sharing knowledge and experience. With your reputation for quality dental care, and our experience with restorative treatments, we can work together on advanced cases and both benefit! If you'd like to discuss a treatment, or talk on the phone about how we can help each other, please call or email our office with specific days and times when you're available.

Prostho Publication

Want to see recent issues?

Stay informed on new findings and best practices for cosmetic and restorative dentistry. See more examples of complex cases online at:

AdvancedProsthodontist.com / PleasantonPros



CASE SUMMARY: Maxillary Esthetic Treatment with a Review of Emergence Profile Characteristics

by Dr. Olivia Nguyen, Prosthodontist — *Pleasanton Prosthodontics*

Patient “Sarah” was 40 years old when she was referred to us by another dental professional. Her chief complaint was “I have a smell coming from my two front teeth.” Sarah’s diagnosis included:

- Open margins of #8 and 9 ... and secondary caries of #8 and 9
- Mobility of tooth/post/core/crown #8
- Grey discoloration of #7 ... Poor contouring of existing crowns #10 and 11 ... and uneven gingival zeniths

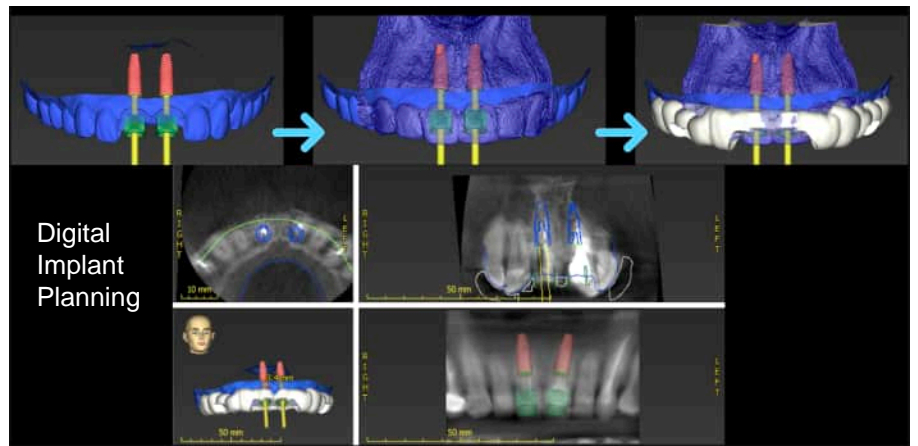


As a prosthodontist, I have experience with complex cases, and can plan multi-stage treatments that coordinate with a patient’s general dentist and other dental specialists. I also am comfortable treating patients with high esthetic demands because I often treat complicated dental issues and have developed protocols to ensure a high esthetic and functional outcome for the restorations.

Her treatment plan was:

- 7: Crown
- 8: Ext, Implant, Screw-retained Crown
- 9: Ext, Implant, Screw-retained Crown
- 10: Crown

As we highlight her treatment on the next few pages, I’ll share the areas that influence the emergence profile, including: implant, abutment, prosthetic, and other characteristics.



Implant Characteristics

- **Implant depth:** The placement of the implant in the bone affects the emergence profile. An implant that is placed too deep or too shallow can lead to an improper emergence profile.
 - Ideal depth 3-4mm from the predicted CEJ
- **Implant angulation:** The angulation of the implant can also affect the emergence profile. If the implant is placed at an angle, the emergence profile may be compromised, leading to a less esthetic outcome.
- **Implant diameter:** The diameter of the implant can also affect the emergence profile. A wider diameter implant may require more space in the soft tissue, leading to a larger emergence profile.

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◆ Do you have a patient in Sarah’s Situation? Or another complex case?

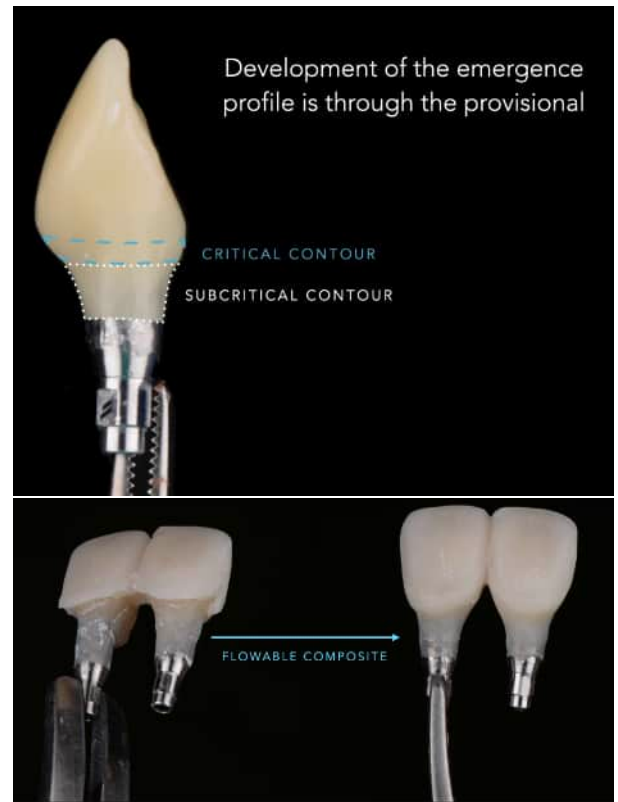
If you have a question about a case and want another opinion, give our office a call. Or, if there’s a case that you want to work together on, please fill out and send in the enclosed referral form.

We will take great care of your patient and keep you informed. Dental professionals refer to us as **The Complex Case Specialists™** because we perform complex cases every day.

Abutment Characteristics

Abutment shape: The shape of the abutment that connects to the implant can affect the emergence profile. The abutment should be shaped to support the soft tissue and promote proper emergence.

- Critical contour refers to the area of the implant abutment that is closest to the gingival margin, where the abutment emerges from the gum line. This area is critical because it can directly impact the esthetic outcome of the final restoration. If the critical contour of the abutment is not properly shaped, it can lead to an unsightly emergence profile and compromise the overall esthetics of the restoration.
- Subcritical contour, on the other hand, refers to the area of the implant abutment that is farther from the gingival margin, closer to the implant body. This area is subcritical because it does not have a direct impact on the esthetic outcome of the restoration. However, it can still influence the emergence profile by affecting the support and stability of the soft tissue around the implant.



Prosthetic Characteristics

Prosthetic design: The final restoration, whether it is a crown, bridge or denture, can also influence the emergence profile.

The restoration should be designed to support the soft tissue and promote proper emergence.

We duplicate the emergence profile on impression coping with flowable composite to relay to the lab for final prosthesis.



Continued on next page...

◆ How can a Prosthodontist assist you and your dental team?

Final Result + Summary Checklist

We specialize in the treatment of complex cases, usually involving several procedures over months of care. The next time you see a challenging case, please feel free to call us and we can discuss treatment planning or help you with any part of the treatment.

Our goal is to be a resource for your office by helping manage difficult and time-consuming procedures, restoring the function and esthetics that the patient desires, then referring them back to your office for

Other Characteristics

- **Soft tissue thickness:** The thickness of the soft tissue around the implant also affects the emergence profile. Thinner soft tissue may result in a more visible implant, while thicker soft tissue can help conceal the implant.
- **Healing time:** The amount of time allowed for the implant to heal before the abutment is placed can also affect the emergence profile. Adequate healing time allows for proper soft tissue formation around the implant and promotes a more natural emergence profile.



Summary Checklist for an Esthetic Emergence Profile

1. Implant Characteristics
 - Implant depth
 - Implant angulation
 - Implant diameter
2. Abutment Characteristics
 - Abutment shape (critical and subcritical)
3. Prosthetic Characteristics
 - Prosthetic design
4. Other Characteristics
 - Soft tissue thickness
 - Healing time



We give all referred patients a warranty and refer them back to the general dentist for regular hygiene unless advised otherwise by the referring office, depending on the patient and treatment. If you have questions about our prosthodontic protocols, please email us:

office@pleasantonpros.com

With 2 prosthodontists in the same specialty practice, we have increased capacity to work with you on challenging treatments, so your patients don't have to wait weeks to get a plan for comprehensive care and/or to address reconstructive emergencies. In addition, we have digital workflows that reduce the number of appointments even for comprehensive treatment, while still maximizing function and esthetic outcomes, so your patients can receive restorative care in fewer appointments.

◆ Why other dental professionals work with a Certified Prosthodontist

Certified Prosthodontists are specialists in implant, esthetic, and reconstructive dentistry.

1. You have a patient requiring treatment outside your typical scope of practice.
2. You have a patient with complex needs that may drain your time.
3. You have a demanding patient who wants perfect esthetics.
4. You have a question and want to discuss a case with a colleague to ease your mind.