

# Advances In Prosthodontics™

New Findings & Best Practices for Cosmetic & Restorative Dentistry

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## Do You Have Edentulous Patients With Dentures That Don't Fit Properly?



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

If you have a patient with several missing, broken or severely worn teeth— or an edentulous patient with dentures that do not fit properly — 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.

If you'd like to discuss a treatment, or talk on the phone about how we can help each other, please call or email my office with specific days and times when you're available.

### Prosthodontic 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**  
/ Maratta



## **CASE SUMMARY: Custom dentures that fit properly**

by Francesco P. Maratta, DMD, FACP, *Board Certified Prosthodontist*

Patient “Bob” was referred to me by another dental professional in the area who was busy with their practice, and Bob’s needs were more complex than they wanted to manage. I met with Bob at his initial consultation, then had a follow-up visit to review treatment recommendations.

**Bob had poorly fitting complete dentures** and came to see me because he wanted improved comfort. His diagnosis also included the following notes:

- worn teeth
- loose, poor occlusal balance
- poor occlusal configuration
- sore area in mandible due to resorbed mandibular ridge
- medical history of controlled type 2 diabetes

As a prosthodontist, I have experience planning treatments that coordinate with a patient’s general dentist to achieve the utmost in function, comfort, and esthetics of restorations, whether they are complete or partial dentures, dental implants, crowns, or bridges.

**The treatment to create a custom denture that would fit properly included the following:**

- static impression techniques
- accident impression system
- allowing for minimal displacement of the soft tissue

After treatment, Bob was happy to finally have a denture that fit without creating a sore area.



**When patients are referred**, I refer them back to their general dentist for regular hygiene, unless advised otherwise by the referring office, depending on the patient and treatment. I will be in contact with your office every step of the way. If you have questions about my prosthodontic protocols or want to discuss a case, please call my office or email me at: [nhpros@att.net](mailto:nhpros@att.net)

### ◆ **Do you have a patient in Bob's situation? Or another complex case?**

If you have a question about a case and want another opinion, give my 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.

My office and I will take great care of your patient and keep you informed. Dental professionals refer to me as **The Complex Case Specialist™** because I perform complex cases every day.

Quickly Get the Latest Research On Procedures & Materials For Better Outcomes...

## Root Fracture of Abutment Teeth for Partial Removable Dental Prostheses

Yoko Mizuno, DDS, PhD / Tomoya Gonda, DDS, PhD / Toshihito Takahashi, DDS, PhD / Akiko Tomita, DDS, PhD / Yoshinobu Maeda, DDS, PhD, Int J Prosthodont 2016;29:461-466. doi: 10.11607/ijp.4327

### Purpose

Root fracture is a common and serious cause of abutment tooth loss. No studies to date have comprehensively assessed the individual contributions of the factors that increase stress on abutment teeth. The purpose of this study was to analyze the stress distribution in abutment teeth based on a three-dimensional finite element model and to analyze the factors that affect stress distribution.

### Materials and Methods

Models were generated from the computed tomography data of a single patient, consisting of a mandibular second premolar abutment tooth, bone, residual mucous membrane, and a partial removable dental prosthesis (PRDP). Four models were prepared using different types of endodontic posts and cores. Akers clasps were used for the simulated PRDPs, and a vertical load was applied to the occlusal surface of the PRDPs. Debonding between the post and root was simulated. The Young modulus of the residual ridge was reduced to simulate a poor fit between the denture base and the residual ridge. Stress distribution in the abutment tooth root was observed, and the maximum principal stress was evaluated.

### Results

The nonmetal post model and the mesial rest model reduced stress concentration in the root. The stress increased in models simulating debonding and poor fit. The results of the multiple linear regression analysis confirmed that debonding and poor fit were significantly associated with root stress.

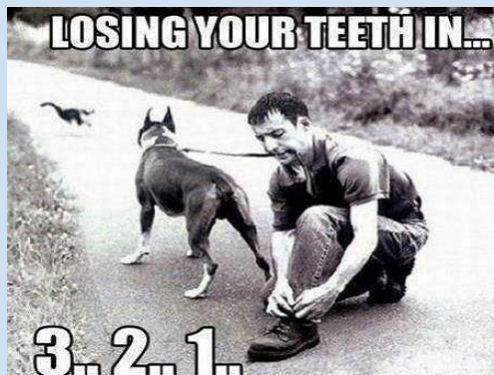
### Conclusion

Within the limitations of this study, it is suggested that the bonding integrity of posts and adequate fit of the denture base are important factors affecting the longevity of abutment teeth for PRDPs.

### ◆ Have A Laugh: Dogs & Teeth...

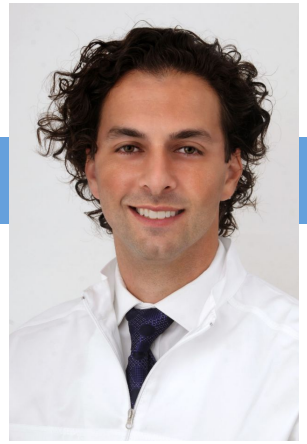
I hope I made you smile during your busy day! I take the care of patients referred to me very seriously, including knowing how to educate them so they feel comfortable.

It's my goal to help every patient understand even the most difficult procedures, so they can regain the function and esthetics they desire.



# Dr. Frank Maratta

DMD, FACP, Prosthodontist ♦ The Complex Case Specialist™



*Dr. Frank Maratta is a Board Certified Prosthodontist and works with dental professionals from all areas of New Haven County to restore the smiles and confidence of patients facing a difficult diagnosis.*

## About New Haven Prosthodontics:

New Haven Prosthodontics is Dr. Maratta's specialty practice limited to fixed and removable prosthodontics, implant prosthodontics, and all phases of esthetic dentistry. Dr. Maratta is Board Certified by the American Board of Prosthodontics, and a Fellow of the American College of Prosthodontists. Dr. Maratta's board-certified prosthodontic training and private practice experience make treatments of complex cases more successful, including:

- Patients with ill-fitting dentures, severely worn or damaged teeth can receive a single dental implant or a full arch of natural-looking teeth in a day. Dr. Maratta's skill allows him to do this, along with digital imaging for accurate placement of implants and his in-house lab to quickly make beautiful crowns.
- Patients who have suffered from traumatic injury, congenitally missing teeth, or a chronic condition can receive oral prostheses, which may be a combination of dental implants, crowns, bridges, or veneers.
- Patients with severe neglect of their oral health can receive a full mouth rehabilitation to restore function & esthetics.

## Personal Message To Fellow Dental Practitioners:

"As the referring dentist, you know your patient's mouth and have key insight into your patient's needs. I want to work with you to provide your patients with the best possible treatment outcomes. I will treat your patient in a manner that will reflect well on you and strengthen your relationship with your patient. I am here to make you look good! When your patient's care is completed, they are referred back to your office for their ongoing dental care. I am grateful for your collegueship and trust with your patients!"

## Protho Pledge

When your patient is referred:

- ✓ I will only treat what your patient needs.
- ✓ I will send you updates.
- ✓ I will be part of your team, not take over your patients.

## ◆ Why other dental professionals work with a Board Certified Prosthodontist

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

### 1. You have a patient requiring treatment outside your typical scope of practice.

Examples include patients with vertical dimension discrepancies, severely resorbed ridges, inadequate interarch space, severe bruxism, traumatic tooth loss, or congenital abnormalities.

### 2. You have a patient with complex needs that may drain your time.

If your patient may require treatment from several specialists, Board Certified Prosthodontists can appropriately stage and manage complex treatment plans.

### 3. You have a demanding patient who wants perfect esthetics.

Examples include patients with a high smile line or needing a single tooth replacement in the esthetic zone. Board Certified Prosthodontists are trained in selecting the best solutions for high-demand patients.

### 4. You have a question and want to discuss a case with a colleague to ease your mind.

Board Certified Prosthodontists can be an excellent resource for you to ask questions because they are trained in many types of complicated treatments. For example, you may want to consult a Board Certified Prosthodontist for complex implant-supported restorations. They can work with you or complete the treatment for you to achieve the best in both function and esthetics.