

Case Study

Gregori Kurtzman, DDS, MAGD, FPFA, FACD, FADI, DICOI, DADIA Maxillary Anterior Crowns



Dr. Gregori Kurtzman is in private general practice in Silver Spring, Maryland. A former Assistant Clinical Professor at the University of Maryland, Baltimore School of Dentistry, Department of Endodontics, Prosthetics and Operative Dentistry, he is also a former Assistant Clinical Director of the AAID Implant Maxi-Course at Howard University College of Dentistry. Dr. Kurtzman has lectured both nationally and internationally on the topics of Restorative dentistry, Endodontics and Implant surgery and prosthetics, removable and fixed prosthetics, Periodontics and has over 520 published articles. He is privileged to be on the editorial board of numerous dental publications, a consultant for multiple dental companies, a former Mastership Program Director for the Maryland AGD, he has earned Fellowship in the AGD, ACD, ICOI, Pierre Fauchard, Academy of Dentistry International, Mastership in the AGD and ICOI and Diplomat status in the ICOI and American Dental Implant Association (ADIA). Dr. Kurtzman has been honored to be included in the "Top Leaders in Continuing Education" by Dentistry Today annually since 2006.

He can be contacted at
dr_kurtzman@maryland-implants.com.

Overview

The maxillary incisors presented with severe lingual and incisal wear necessitating placement of full coverage crowns. Following crown preparation, NoCord VPS Wash material was expressed into the sulcus of the prepared teeth (Fig 1). Additional NoCord Wash material was added to completely cover the prepared teeth (Fig 2). A dual-arch tray was filled with NoCord MegaBody tray material (Fig 3) and inserted intraorally, with the patient occluding into the loaded tray (Fig 4). Following setting of the impression material intraorally (3.5 minutes), the tray was removed, demonstrating detailed crisp margins around the prepared teeth (Fig 5). The unique characteristics of NoCord VPS enable the clinician to skip the retraction (cord or paste) while achieving hemostasis with the NoCord wash impression material.



Fig. 1



Fig. 2

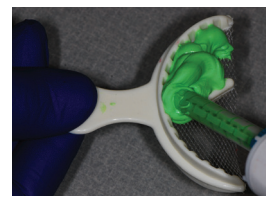


Fig. 3



Fig. 4

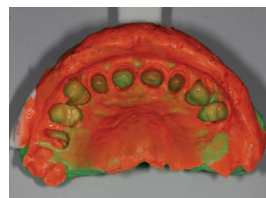


Fig. 5

Which features of NoCord VPS are most important to you?

Ease of use, simplicity, time savings compared to using more traditional products like cords and pastes.

How does NoCord VPS help you in your impression procedures compared to other products in the marketplace?

NoCord allows me to eliminate the extra step of retraction cords or pastes which shortens chairside time. This provides superior retraction without the potential of sulcular bleeding that may occur when removing retraction cords or flushing out a paste before using the impression material. The NoCord Megabody helps to physically force and retain the NoCord wash material in the sulcus, dilating the sulcus allowing better capture of the marginal details.

Does NoCord VPS provide the accuracy and dimensional stability that you expect to see?

Yes, marginal detail has been accurate, capturing better detail than observed with traditional impression materials. Additionally, tear strength is exceptional with the NoCord Wash material when the impression is removed intraorally, presenting sharp accurate edges from within the sulcus.

NoCord™ VPS
One-Step, Self-Retracting Impressioning System

CentrixNoCordVPS.com

“

NoCord™ VPS provides an easy, effective and accurate method to improve impression capture of preparation margins within the sulcus without the need for separate retraction materials and no learning curve.

– **Gregori Kurtzman, DDS, MAGD, FPFA, FACD, FADI, DICOI, DADIA**

How does NoCord VPS help you with the different techniques you use for tissue retraction?

Whether taking impressions of natural teeth or implants, NoCord has applications in my practice. I use a diode laser to trough when taking impressions of natural teeth and NoCord has been a great adjunct to that method for impressions. Supplementing the hemostatic properties, it assists in dilation of the sulcus especially when the margins are deeper subgingivally. But, in those clinical situations where the laser is not being used to trough the sulcus, NoCord allows me to avoid retraction cords and pastes shortening the time needed to capture the impression.

Does NoCord VPS simplify the impressions procedure?

Yes. There is virtually no learning curve to getting accurate impressions with NoCord. No complicated materials to use or techniques to master. NoCord is applied in a similar fashion to the impression materials we have been accustomed to for many years. The wash is applied into the sulcus and over the preparation like traditional impression materials, the tray is filled with the Megabody and inserted intraorally and allowed to set.

Do you see a difference using NoCord VPS to control bleeding?

Many patients are taking anticoagulants, whether physician prescribed or a daily aspirin, which even when periodontal tissue is healthy, can lead to sulcular oozing that can hamper impressions of the margins. Combine this with patients with less than ideal periodontal health that may require crowns while or before periodontal health can be improved and the associated bleeding, NoCord allows me to capture better impressions without sulcular bleeding hampering my efforts.

Do you get adequate retraction depth?

Yes, NoCord has been able to capture great marginal detail in margins both shallow and deeper in the sulcus, which was a struggle at times with traditional retraction and impression materials.

NoCord Megabody with its high viscosity hydraulically forces the NoCord Wash into the sulcus apical to the prepared margins allowing complete capture of the necessary details. The high marginal tear strength ensures that when in thin segments within the sulcus, when removed intraorally, the material comes out intact and casts produced from my impressions will be accurate clinical representations.

If a dentist is concerned with adequate retraction depth, what would be your recommendations?

Ideally, margins placed deeper than 3mm within the sulcus are difficult for the patient to maintain with home care and the practitioner should in those clinical situations consider modification of the marginal soft tissue to bring the preparation margin to within 3mm of the gingival margin. Lasers are becoming used with greater frequency related to crown and bridge treatment, both for modification of the gingival height and sulcular troughing. NoCord works well with these methods to allow immediate capture of the preparation margins while controlling any tissue hemorrhage and dilating the sulcus following laser use.

Are the margins easy to read with NoCord VPS?

The orange color of the NoCord Wash and the contrast with the green color of the NoCord Megabody makes it easy to read the margins to verify capture of the preparations details.



“

- No learning curve
- No separate steps
- Shorter chairside time
- Eliminates the associated costs of separate retraction cords and pastes
- Highly accurate detailed impressions with a one-step impression technique that has hemostatic and sulcular dilation properties

– **Gregori Kurtzman, DDS, MAGD, FPFA, FACD, FADI, DICOI, DADIA**

Does NoCord VPS eliminate steps that you usually perform when doing the procedure?

When using retraction cords and pastes, these materials require time to place them into the sulcus and then additional time for them to remain in place and exert their hemostatic actions. This adds 10-15 minutes or more depending on how many preparations are being captured in the arch to chairside time. NoCord helps shorten treatment time, and the benefits are amplified when multiple preparations are being captured in the arch.

Does NoCord VPS provide accurate final impressions?

Yes, NoCord has demonstrated capture of accurate impressions with visibly detailed margins without noted distortion. The restorations derived from these impressions required no internal modifications to seat and lute them, and marginal fit accurately replicated the tooth preparations.

What did you use before NoCord™ VPS and why was it your preferred product?

In my 30 years of clinical practice, I have used every retraction product that's been available in that time, from cords to pastes. I have found these tended to be time consuming and at times, when removed to place the impression material caused sulcular oozing to restart, complicating impression capture. The continuing evolution of impression taking demonstrates practitioners are seeking better more efficient ways to capture great impressions.

How does NoCord VPS compare to other impression products?

With NoCord, rarely do I have these issues. Even when some sulcular blood is on the impression upon removal intraorally, I am still able to see the marginal detail fully. So from an ease of use, time required and accuracy it is my preferred product for crown and bridge impressions.

If you were presenting NoCord VPS to another dentist, what would resonate the most in your opinion?

Chairside time savings without any decrease in impression accuracy, and no learning curve necessary to achieve great detailed, accurate impressions.

Have you seen any staff/office benefits from using this system?

When using a separate retraction method (cords or pastes) these will add an additional 10-15 minutes per prepared arch to the chairside time for capturing a crown and bridge impression. If the average office is taking 10 crown and bridge arch impressions weekly, that amounts to a time savings of 1.5-2.5, hours allowing more patients to be treated, increasing production in the office and profitability in the practice.

If you were to promote the NoCord VPS system, what would be your main message?

- No learning curve
- No separate steps
- Shorter chairside time
- Eliminates the associated costs with separate retraction cords and pastes
- Highly accurate detailed impressions with a one-step impression technique that has hemostatic and sulcular dilation properties



CentrixNoCordVPS.com

Centrix Incorporated | 770 River Road, Shelton, CT 06484 USA
800.235.5862 | 203.929.5582 | FAX 203.929.6804 | www.centrixdental.com