Making Occlusal Records Consistent and Predictable

Joseph J. Massad, DDS
Continuing Education Units: 2 hours


Disclaimer: Participants must always be aware of the hazards of using limited knowledge in integrating new techniques or procedures into their practice. Only sound evidence-based dentistry should be used in patient therapy.

This video continuing education course will describe the principals of using a jaw recording device to obtain the patients vertical and centric relation position.

Conflict of Interest Disclosure Statement
• Dr. Massad has done consulting work for P&G.

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Overview

This presentation will describe the principals of using a jaw recording device to obtain the patients vertical and centric relation position. Further, the discussion will contain a method of utilizing this device on edentulous patients and immediate denture patients. Additionally, the jaw recording device can be utilized for fabrication of orthopedic splints and equilibration of final denture occlusion upon delivery.

Learning Objectives

Upon completion of this course, the dental professional should be able to:
• Understand an implement of making consistent jaw recordings.
• Utilize a gothic arch tracing device on edentulous patients, immediate denture patients, and/or on implant patients.
• Fabricate orthopedic splints.
• Equilibrate occlusion on prosthesis.

Course Contents
• Introduction
• What Has Changed in the Area of Removable Prosthetics?
• Advancements in Making Occlusal Recordings
• Gothic Arch Tracing (GAT) Recording Devices
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• Conclusion
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Course Test Preview
To receive Continuing Education credit for this course, you must complete the online test. Please go to: www.dentalcare.com/en-US/dental-education/continuing-education/ce443/ce443-test.aspx

1. **Dental success will be judged by ____________.**
   a. your fine work  
   b. the patient’s family members  
   c. your dental assistant  
   d. your patient

2. **Wax occlusal rims must occlude simultaneously in order to decrease the rotational movement of the base.**
   a. True  
   b. False

3. **One of the purposes of a Gothic arch tracing device is to prevent rotational movements of the acrylic bases against the edentulous ridges.**
   a. True  
   b. False

4. **The new Gothic arch tracing devices can be applied to ____________.**
   a. edentulous patients  
   b. dentate patients  
   c. denture patients to facilitate making orthopedic splints  
   d. All of the above.  
   e. A and C only.

5. **In order for the vertical pin to eliminate rotational movement of the bases it needs to be perpendicular to the striking plate.**
   a. True  
   b. False

6. **There are two components to vertical dimension of occlusion.**
   a. Vertical position  
   b. Horizontal position  
   c. Coughing position  
   d. All of the above.  
   e. A and B only.

7. **A Gothic arch tracing device permits the patient to move the mandible without resistance.**
   a. True  
   b. False

8. **Once the patient has moved the mandible forward and back then side to side with the Gothic Arch tracing assembled in the mouth and attached to base plates a tracing is scribed onto the striking plate.**
   a. True  
   b. False
9. Once the patient has scribed a tracing you should be able to see an intersection between three lines.
   a. True
   b. False

10. Once the patient has completed the tracing it is suggested that a PVS Bite registration material be utilized to lock the occlusal record.
    a. True
    b. False

11. When utilizing the Gothic Arch Tracing device on a given patient who will be having an immediate denture prosthesis it is suggested to allow sufficient space around any broken teeth to eliminate movement or tipping of the record base while the patient is sliding their jaws.
    a. True
    b. False

12. Patient’s with severe vertical over closure due to tooth wear should _____________.
    a. not be treated
    b. be informed that they will need to have surgery to correct this condition
    c. have an occlusal splint fabricated on their existing prosthesis to assist in accommodation of maintaining an optimal vertical dimension

13. Patients who have mobile teeth should have all of their teeth extracted before making a Gothic arch tracing.
    a. True
    b. False

14. When manipulating a patient’s jaw to a retruded position, the practitioner should be aware that the patient may give resistance during this manipulation procedure.
    a. True
    b. False

15. The preferred method of instructing a patient to slide their jaw is to _____________.
    a. yell at them
    b. give them written instructions
    c. be calm and show them what to do
References


64. Holden JE. Centric Relation treatment position concepts and related research. ACP publication.
About the Author

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Dr. Massad is the Director of Massad Center for Higher Learning, Tulsa, Oklahoma; and holds faculty appointments in multiple dental school across the United States. He is an internationally renowned clinician in the field of prosthodontics. He has lectured literally around the world. Named one of the top clinicians in CE for 2000-2014 by Dentistry Today, and recipient of the 2006 Chicago Dental Society “Gordon J. Christensen Recognition Lecturer Award." His publications include the 2009 Justin Hickey Award for best clinical article in the Journal of Prosthetic Dentistry. Dr. Massad regularly lectures at meetings of dental organizations such as the American Prosthodontic Society, the Chicago Dental Society, the India Prosthodontic Society, the American Dental Association, the Canadian Dental Association, the Federation Dentaire International, the Portuguese Dental Association and other prestigious organizations.

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