

# AvaDent™ Digital Dentures • It is a system by which impressions, interocclusal records, and tooth selection can be completed in one appointment and the dentures fabricated using CAD/CAM technology

# Disclosure • I do not have any financial interest in Global Dental Sciences, the company producing AvaDent™ digital dentures

# Summary of Advantages of CAD/CAM Complete Dentures

 It is possible to record all the clinical information for complete dentures in one appointment (1-2 hours)

### **Traditional**

Appt. #1 - #6

- Baseline & Preliminary Impressions
- Final Impressions
- JRR & Anterior Tooth Selection
- Anterior Tooth Try-in
- Posterior Tooth Try-in
- Delivery & Adjustment

### CAD/CAM

Appt. #1

- •Baseline & Preliminary Impressions
- Final Impressions
- JRR & Anterior Tooth Selection
- Anterior Tooth Try-in
- Posterior Tooth Try-in Appt. #2
- Delivery & Adjustment

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Research Laboratory, State University of New York at Buffalo

# Dimensional Change of Methyl Methacrylate Anthony, D. H., Peyton, F. A.: Dimensional Accuracy of Various base materials. JPD 12:67-81, 1962

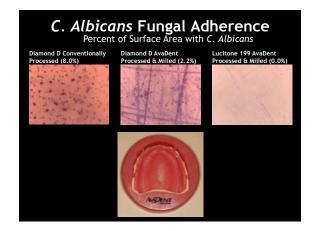


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- AvaDent™ denture base material has lower C. Albicans adherence

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### **CAD/CAM Denture Procedures**



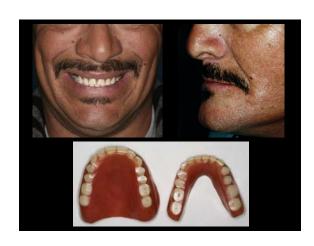
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- Duplicate Dentures
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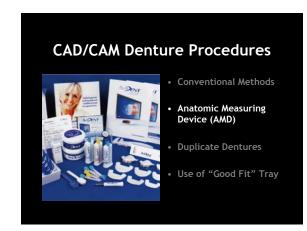




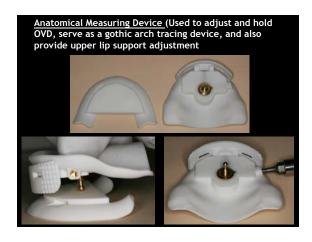




# Information Required for CD's • Horizontal Plane • Midline • Incisal Line • Lip Support • CR • VDO

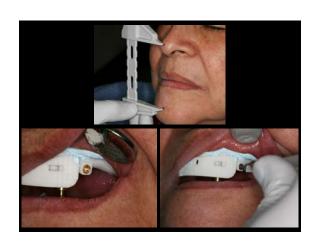








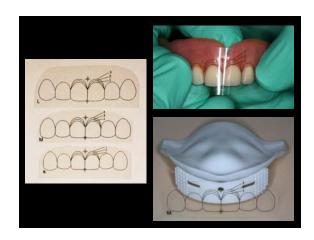












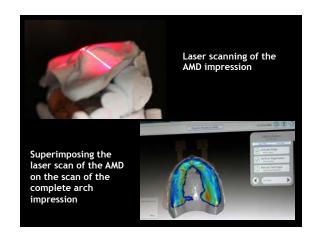


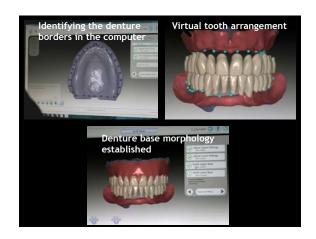


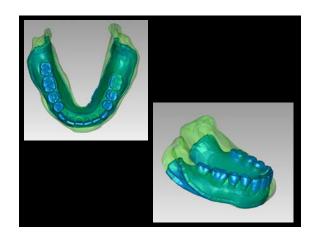


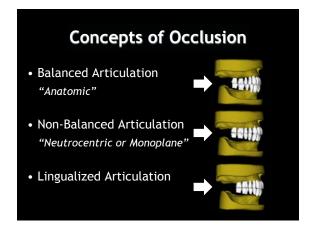


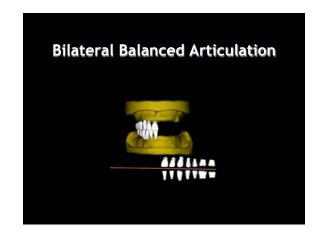


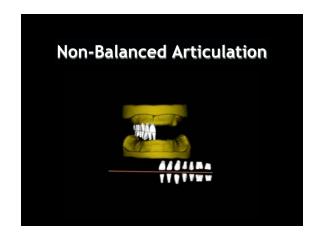


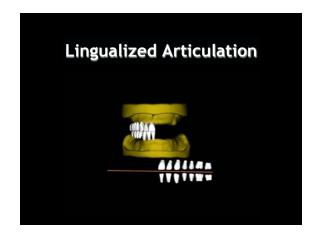


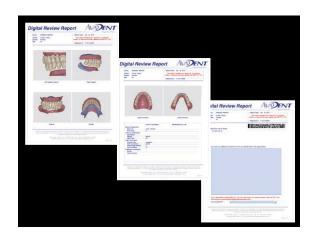




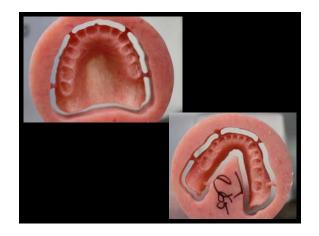
















### **Denture Tooth Bonding**

- Lucitone & Vivodent teeth
- Diamond D & Vivodent teeth
- Lucitone & Portrait teeth
- Lucitone & Ivostar teeth
- Diamond D & Ivostar teeth
- No adhesive failures
- Mostly cohesive fractures of the denture tooth and a smaller number of cohesive fractures of the base resin

Dental Biomaterials Research Laboratory, State University of New York at Buffalo



