

**PRACTICAL CLINICAL COURSES**  
*A Service of the Gordon J. Christensen  
Career Development Program*

**V1980**  
**Foolproof, Fast Single Crown Procedure**

Gordon J. Christensen, DDS, MSD, PhD

**Materials Included:**  
C.E. Instruction Sheet  
Products List  
Clinician Responsible  
Goals & Objectives  
Overview  
Supplemental Materials  
AGD Post-Test

**Gordon J. Christensen**  
**PRACTICAL CLINICAL COURSES**

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Gordon J. Christensen  
**PRACTICAL CLINICAL COURSES**  
*Sources of Products Discussed in*  
**V1980 Foolproof, Fast Single Crown Procedure**  
Presented by: Gordon J. Christensen, DDS, MSD, PhD

1. **3M Imprint 4**  
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7. **Aquasil**  
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8. **Argelite**  
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(800)255-5524  
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9. **Articadent**  
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10. **Blu-Mousse**  
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14. **Dental Laboratory:**  
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15. **Dental Laboratory:**  
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16. **Dyract eXtra**  
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Alsip, IL 60803  
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(708)597-0900  
[www.gcamerica.com](http://www.gcamerica.com)
18. **FILPIN Bender – No longer carried in the US**
19. **FILPINS by Filhol Dental**  
Engineered Endodontics  
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(262)501-0075  
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20. **G5 All-Purpose Desensitizer (Clinician's Choice)**  
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21. **GC Fuji PLUS**  
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22. **Gingi-Pak**  
Various Distributors
23. **GLUMA Desensitizer**  
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24. **Handpieces:**  
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11727 Fruehauf Drive  
Charlotte, NC 28273  
(888)528-6872  
[www.kavo.com](http://www.kavo.com)
25. **Handpieces:**  
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Hoffman Estates, IL 60192  
(888)675-1675  
[www.nskdental.com](http://www.nskdental.com)
26. **Handpieces (Midwest):**  
Dentsply Sirona  
13320-B Ballantyne Corporate Pl  
Charlotte, NC 28277  
(800)877-0020  
[www.dentsplysirona.com](http://www.dentsplysirona.com)
27. **Hemostat (Straight)**  
Various Distributors
28. **IPS e.max**  
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(716)691-0010  
[www.ivoclar.com](http://www.ivoclar.com)
29. **IPS e.max Press Ingots Multi**  
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30. **iTero Element**  
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Suite 1300  
Tempe, AZ 85281  
(800)577-8767  
[www.itero.com](http://www.itero.com)
31. **Madame Butterfly Silk**  
Almore International  
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[www.almore.com](http://www.almore.com)
32. **Micro-Fill Composite Finishing Kit**  
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(800)331-3548  
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33. **MicroPrime**  
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[www.zestdent.com](http://www.zestdent.com)
34. **Monobond Plus**  
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(716)691-0010  
[www.ivoclar.com](http://www.ivoclar.com)
35. **Multilink Automix**  
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(716)691-0010  
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| <p>37. <b>Occlusal Indicator Wax</b><br/>Kerr Corporation<br/>200 S. Kraemer Blvd.<br/>Building E2<br/>Brea, CA 92821<br/>(800)537-7123<br/><a href="http://www.kerrdental.com">www.kerrdental.com</a></p>               | <p>43. <b>ROEKO Stay-put Cord</b><br/>Coltene Inc.<br/>235 Ascot Parkway<br/>Cuyahoga Falls, OH 44223<br/>(330) 916-8800<br/><a href="http://www.coltene.com">www.coltene.com</a></p>                                           | <p>48. <b>TRIOS Intraoral Scanner</b><br/>3Shape, Inc.<br/>430 Mountain Avenue<br/>Suite 113<br/>New Providence, NJ 07974<br/>(888)374-2734<br/><a href="http://www.3shape.com">www.3shape.com</a></p>                               |
| <p>38. <b>OptraGate</b><br/>Ivoclar Vivadent<br/>175 Pineview Drive<br/>Amherst, NY 14228<br/>(800)533-6825<br/>(716)691-0010<br/><a href="http://www.ivoclar.com">www.ivoclar.com</a></p>                               | <p>44. <b>Septocaine (Articaine)<br/>By Septodont</b><br/>Dental Distributors</p>                                                                                                                                               | <p>49. <b>TS150e In-Office Mill</b><br/>Glidewell<br/>18551 Von Karman Avenue<br/>Irvine, CA 92612<br/>(866)861-7950<br/><a href="http://www.ts150e.com">www.ts150e.com</a></p>                                                      |
| <p>39. <b>Orabloc</b><br/>Various Distributors</p>                                                                                                                                                                       | <p>45. <b>Sideless Triple Tray</b><br/>Premier Dental Co.<br/>1710 Romano Drive<br/>Plymouth Meeting, PA 19462<br/>(888)670-6100<br/>(610)239-6000<br/><a href="http://www.premierdentalco.com">www.premierdentalco.com</a></p> | <p>50. <b>ViscoStat Clear</b><br/>Ultradent Products Inc.<br/>505 West Ultradent Drive<br/>South Jordan, UT 84095<br/>(888)230-1420<br/>(801)572-4200<br/><a href="http://www.ultradent.com">www.ultradent.com</a></p>               |
| <p>40. <b>Planmeca FIT</b><br/>Various Distributors</p>                                                                                                                                                                  | <p>46. <b>Solo Diamond</b><br/>Premier Dental Co.<br/>1710 Romano Drive<br/>Plymouth Meeting, PA 19462<br/>(888)670-6100<br/>(610)239-6000<br/><a href="http://www.premierdentalco.com">www.premierdentalco.com</a></p>         | <p>51. <b>VITA Toothguide 3D-Master</b><br/>VITA North America<br/>22705 Savi Ranch Parkway<br/>Suite 100<br/>Yorba Linda, CA 92887<br/>(800)828-3839<br/><a href="http://www.vitanorthamerica.com">www.vitanorthamerica.com</a></p> |
| <p>41. <b>Preppies</b><br/>Whip Mix Corporation<br/>361 Farmington Avenue<br/>Louisville, KY 40217<br/>(800)626-5651<br/>(502)637-1451<br/><a href="http://www.whipmix.com">www.whipmix.com</a></p>                      | <p>47. <b>Temp-Bond</b><br/>Kerr Corporation<br/>200 S. Kraemer Blvd.<br/>Building E2<br/>Brea, CA 92821<br/>(800)537-7123<br/><a href="http://www.kerrdental.com">www.kerrdental.com</a></p>                                   |                                                                                                                                                                                                                                      |
| <p>42. <b>Quad-Tray (Clinician's Choice)</b><br/>Henry Schein Dental<br/>135 Duryea Road<br/>Melville, NY 11747<br/>(800)372-4346<br/>(631)843-5500<br/><a href="http://www.henryschein.com">www.henryschein.com</a></p> |                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                      |

***Product names, the products themselves, and company names change rapidly. Please contact the companies shown to confirm current information.***

Gordon J. Christensen Practical Clinical Courses, 3707 North Canyon Road, Suite 3D, Provo, UT 84604  
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## **PROGRAM**

### **V1980 Foolproof, Fast Single Crown Procedure**

#### **CLINICIAN RESPONSIBLE:**

**Gordon J. Christensen, DDS, MSD, PhD**

*Founder and CEO, Practical Clinical Courses*

*Senior Consultant & Previous CEO, CR Foundation*

*Practicing Prosthodontist, Provo, Utah*

#### **GOALS & OBJECTIVES**

At the completion of this video presentation, viewers should be able to:

1. Discuss the importance of fixed prosthodontics to dental practice service and revenue.
2. Describe “real-world” fixed prosthodontics.
3. List three ways to make a crown.
4. List the dentist tasks in each of the three ways.
5. List the assistant tasks in each of the three ways.
6. Compare the characteristics of the five most commonly used types of crowns.
7. Describe the timing of shade selection for crowns and how to best transfer color to technicians.
8. Describe making a provisional restoration as shown in this video.
9. Describe when the first cord is placed in the two-cord technique.
10. Describe when the second cord is placed.
11. Discuss the difference between fillers and build-ups.
12. Discuss the use of pure titanium retentive pins.
13. Draw the differences in a tooth preparation design for a zirconia crown and a lithium disilicate crown.
14. List the steps in a scanned impression.
15. List the steps in a conventional impression with vinyl polysiloxane or polyether.
16. Discuss tooth disinfection and tooth desensitization.
17. List the three main types of cements discussed in this video.
18. Describe the advantages of full-zirconia crowns.
19. Describe the advantages of lithium disilicate crowns.
20. Describe postoperative follow-up for crowns.

## **OVERVIEW**

### **V1980 Foolproof, Fast Single Crown Procedure**

Fixed prosthodontics is a major part of general dentistry and the prosthodontic specialty. There is enormous change taking place in this clinical area, since the incorporation of scanning and milling into both dental laboratories and clinical offices.

In spite of the significant changes taking place in dental laboratories, conventional clinical procedures still dominate actual clinical treatment by an overwhelming amount.

Most general dentists treat patients with crowns or fixed bridges on almost every clinical day, with an estimated average of more than 20 to 30 units per month. The clinical procedures must be relatively simple, fast, and predictable. Those characteristics are the purpose of this video. The following subjects are included in the presentation:

- The importance of fixed prosthodontics (crowns and bridges) in your practice
- Making fixed prosthodontic procedures fast, easy, better, less expensive, and predictable
- Dentist tasks in the procedure
- Assistant tasks in the procedure
- Crown fabrication in-lab or in-clinical office
- A comparison of current crown types
- Shade selection
- Impression for provisional restoration
- Anesthetic
- Initial tooth preparation
- Final tooth preparation
- Fillers, build-ups, or nothing
- Tissue management
- Digital impressions
- In-office CAD/CAM
- Conventional impressions
- Provisional restorations
- Laboratory
- Anesthetic
- Tooth disinfection and desensitization
- Cements
- Cementing fixed prostheses
- Postoperative follow-up and recare

Following the information presented in this video will greatly simplify a typical dentist's procedure for crowns!

## **SUPPLEMENTAL MATERIALS**

### **V1980 Foolproof, Fast Single Crown Procedure**

1. Luo XP, Yuan Y, Shi YJ, Qian DD. A ten-year clinical study of cracked teeth restored with glass ceramic crowns. *Zhonghua Kou Qiang Yi Xue Za Zhi*. 2016 Oct 9;51(10):583-586. doi: 10.3760/cma.j.issn.1002-0098.2016.10.002.
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4. Fardin VP, de Paula VG, Bonfante EA, Coelho PG, Bonfante G. Lifetime prediction of zirconia and metal ceramic crowns loaded on marginal ridges. *Dent Mater*. 2016 Sep 30. pii: S0109-5641(16)30386-4. doi: 10.1016/j.dental.2016.09.004. [Epub ahead of print]
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8. Garner JR, Wajdowicz MN, DuVall NB, Roberts HW. Selected physical properties of new resin-modified glass ionomer luting cements. *J Prosthet Dent*. 2016 Sep 22. pii: S0022-3913(16)30339-0. doi: 10.1016/j.prosdent.2016.07.011. [Epub ahead of print]
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10. Bömicke W, Rues S, Hlavacek V, Rammelsberg P, Schmitter M. Fracture Behavior of Minimally Invasive, Posterior, and Fixed Dental Prostheses Manufactured from Monolithic Zirconia. *J Esthet Restor Dent*. 2016 Aug 26. doi: 10.1111/jerd.12242. [Epub ahead of print]
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## **SUPPLEMENTAL MATERIALS (CONT'D)**

### **V1980 Foolproof, Fast Single Crown Procedure**

13. Alkhudhairy FI, Bin-Shuwaish MS. The effect of sodium hypochlorite and resin cement systems on push-out bond strength of cemented fiber posts. *Pak J Med Sci.* 2016 Jul-Aug;32(4):905-10. doi: 10.12669/pjms.324.10235.
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24. Alikhasi M, Siadat H, Beyabanaki E, Kharazifard MJ. Accuracy of Implant Position Transfer and Surface Detail Reproduction with Different Impression Materials and Techniques. *J Dent (Tehran).* 2015 Oct;12(10):774-83.

## POST-TEST

### **V1980 Foolproof, Fast Single Crown Procedure**

1. About \_\_\_\_\_ percent of the fixed prosthodontic procedure can be legally delegated to educated, motivated staff persons.
  - a. 20
  - b. 30
  - c. 40
  - d. 50
2. \_\_\_\_\_ crowns are currently used the most in the USA.
  - a. Full-zirconia
  - b. Lithium disilicate
  - c. Zirconia-based
  - d. PFM
  - e. Metal
3. Shade selection for crowns should be done:
  - a. after delivering anesthetic.
  - b. before delivering anesthetic.
  - c. after tooth preparation.
  - d. doesn't matter when.
4. Fillers are used to:
  - a. increase retention.
  - b. fill a hole.
  - c. both a and b.
  - d. none of the above.
5. When using the suggested two-cord technique, the first cord is placed:
  - a. just before making the impression.
  - b. after placing the fillers and build-ups.
  - c. it doesn't matter when.
  - d. after the initial tooth preparation.
6. Digital impressions:
  - a. can be sent to the lab by email.
  - b. are usually more accurate than conventional impressions.
  - c. have no problems with infection control.
  - d. all of the above.
7. It was suggested in this presentation to use \_\_\_\_\_ viscosity in the syringe to avoid blowing it off.
  - a. light
  - b. medium
  - c. heavy
  - d. a special intermediate viscosity material

**POST-TEST (CONT'D)**

**V1980 Foolproof, Fast Single Crown Procedure**

8. \_\_\_\_\_ is the most popular type of cement in dentistry in North America.
- Resin
  - Resin-modified glass ionomer
  - Glass ionomer
  - Self-adhesive resin
9. When using glutaraldehyde disinfectant and desensitizer, a light coat of the material is placed on the tooth for two \_\_\_\_\_ applications.
- 30 second
  - 90 second
  - 60 second
  - 120 second
10. Some brands of resin-modified glass ionomer cement:
- are cariogenic.
  - have glutaraldehyde in them.
  - have a slight light-cure characteristic.
  - are stronger than resin cement.

**PLEASE PRINT**

Name \_\_\_\_\_

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Indicate which type of credit you wish to obtain: ☐ AGD ☐ State ☐ Both

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For each **CE Video Purchased**, one complimentary test is included. If you require CE tests for *staff members or additional doctors to receive credit*, the fee is \$35/person per test.

*If more than 10 CE tests are required per video, please contact PCC at 800-223-6569.*