

PRACTICAL CLINICAL COURSES

A Service of the Gordon J. Christensen
Career Development Program

C502A POURING AND TRIMMING CASTS

Gordon J. Christensen, DDS, MSD, PhD

Materials Included

C.E. Instruction Sheet
Products List
Clinician Responsible
Goals & Objectives
Overview
References
AGD Post Test

Gordon J. Christensen
PRACTICAL CLINICAL COURSES

PROCEDURE FOR RECEIVING
ACADEMY OF GENERAL DENTISTRY
AND STATE CREDIT
FOR CE VIDEOS

1. Complete the enclosed Post-Test. For each **CE Video Purchased**, one test is included. If additional tests are needed, the following fees will apply: \$25 per test per dentist (limit 1 additional dentist per video purchased); \$10 per test per auxiliary (dental assistants, hygienists, lab technicians - no limit on auxiliary tests). Fees can be paid either by check or credit card when tests are submitted to Practical Clinical Courses.
2. Complete the demographic information located at the end of the test.
Type of Credit:
 - a. If the applicant selects "AGD," PCC will send notification to both the applicant and the Academy of General Dentistry. (The AGD will also notify applicant of credits earned by printout information.)
 - b. If the applicant selects "State," PCC will send a certificate of verification to the applicant. The applicant must then submit this certificate to his/her state board to obtain credit.
 - c. If the applicant selects "Both," PCC will complete a. & b. above.
3. Return the **Post-Test portion** via mail, fax, or email. Our contact information is as follows:

Practical Clinical Courses
3707 N Canyon Road
Suite 3D
Provo, UT 84604
Fax: (801) 226-8637
info@pccdental.com

4. Practical Clinical Courses will correct the Post-Test. **Passing scores are 70% or higher.**

Gordon J. Christensen
PRACTICAL CLINICAL COURSES
Sources of Products Discussed in
C502A Pouring and Trimming Casts
Presented by: Gordon J. Christensen, DDS, MSD, PhD

- | | | |
|--|---|--|
| 1. ARTICULATORS
Waterpik Technologies
1730 East Prospect Road
Fort Collins, CO 80553-0001
(800)525-2020
(970)484-1352
www.waterpik.com

Whip Mix Corporation
361 Farmington Avenue
P.O. Box 17183
Louisville, KY 40217
(800)626-5651
(502)637-1451
www.whipmix.com | 4. DISPOSABLE MIXING BOWL
Disposa-Bowl
P.O. Box 50154
Irvine, CA 92619-0154
(888)368-8869
(714)803-9837 | 8. PRIMA-ROCK
Whip Mix Corporation
361 Farmington Avenue
P.O. Box 17183
Louisville, KY 40217
(800)626-5651
(502)637-1451
www.whipmix.com |
| 2. COMBINATION MIXER
Whip Mix Corporation
361 Farmington Avenue
P.O. Box 17183
Louisville, KY 40217
(800)626-5651
(502)637-1451
www.whipmix.com | 5. HARD ROCK
Whip Mix Corporation
361 Farmington Avenue
P.O. Box 17183
Louisville, KY 40217
(800)626-5651
(502)637-1451
www.whipmix.com | 9. RESINROCK
Whip Mix Corporation
361 Farmington Avenue
P.O. Box 17183
Louisville, KY 40217
(800)626-5651
(502)637-1451
www.whipmix.com |
| 3. DIE-KEEN
Adium Dental Products, Inc.
3301 Olive Avenue
Long Beach, CA 90807
(800)892-2144
(562)595-5693
www.adiumdental.com | 6. MICROSTONE
Whip Mix Corporation
361 Farmington Avenue
P.O. Box 17183
Louisville, KY 40217
(800)626-5651
(502)637-1451
www.whipmix.com | 10. SNAP-STONE
Whip Mix Corporation
361 Farmington Avenue
P.O. Box 17183
Louisville, KY 40217
(800)626-5651
(502)637-1451
www.whipmix.com |
| | 7. MOUNTING STONE
Whip Mix Corporation
361 Farmington Avenue
P.O. Box 17183
Louisville, KY 40217
(800)626-5651
(502)637-1451
www.whipmix.com | 11. SURFACTANT
Almore International, Inc.
P.O. Box 25214
Portland, OR 97298-0214
(800)547-1511
(503)643-6633
www.almore.com |

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

**Practical Clinical Courses • 3707 North Canyon Road, Suite 3D • Provo, UT 84604
(800)223-6569 OR (801)226-6569**

The techniques and procedures on this videotape are intended to be suggestions only. Any licensed practitioner viewing this presentation must make his or her own professional decisions about specific treatment for patients. PCC is not responsible for any damages or other liabilities (including attorneys' fees) resulting, or claimed to result in whole or in part, from actual or alleged problems arising out of the use of this videotape.

PROGRAM

C502A POURING AND TRIMMING CASTS

CLINICIAN RESPONSIBLE

Gordon J. Christensen, DDS, MSD, PhD
CEO, Practical Clinical Courses
CEO, CR Foundation
Practicing Prosthodontist, Provo, Utah

GOALS & OBJECTIVES

At the completion of this video presentation, participants should be able to accomplish the following:

1. List reasons for cast accuracy.
2. Describe the types of dental casts that are present.
3. List and describe the types of stones and plasters.
4. Describe methods to preserve accuracy in alginate impressions.
5. Discuss surfactants.
6. Describe trimming diagnostic casts, and draw the characteristics of properly trimmed maxillary and mandibular trimmed casts.
7. Describe trimming working casts.
8. Describe trimming opposing casts.
9. Describe trimming removable prosthodontic casts.
10. Describe the characteristics of an excellent cast.

OVERVIEW

C502A POURING AND TRIMMING CASTS

Casts, or as they are often inappropriately called, models, are very poorly accomplished in most dental practices. There are many reasons why this is the case. Usually, the task of making alginate impressions and pouring casts is delegated to staff personnel, some of whom have little education on how to accomplish the task. Additionally, the cast is usually made in haste as there are so many other activities that seem to be more important. Accurate casts are extremely important in many aspects of dentistry. If casts are inaccurate, prostheses are inaccurate.

There are several types of stones and plasters available on the current marketplace. Usually, dental stone is the most desirable because it has the greatest strength and is the most wear resistant. Some dentists and technicians are not aware that certain stones expand significantly on setting; thereby creating inaccuracies in subsequent prostheses.

Trimming different types of casts requires some education and experience. Diagnostic casts are usually trimmed with geometric cuts described in this presentation, while trimming working casts is directly related to the location of the mucal buccal fold. Trimming removable prosthodontic casts follows the mucal buccal fold and leaves 2-3 millimeters of land area.

Casts should have the following characteristics: lack of internal bubbles, lack of external bubbles, lack of debris incorporated, hard and shiny surface, properly trimmed, and total reproduction of surfaces that have been impressed.

Accurate and well made casts are not difficult if staff personnel are adequately educated to all characteristics of the technique.

REFERENCES

1. CHRISTENSEN, G.J. "Improving the Quality of Fixed Prosthodontic Services". JADA. Vol. 131, November 2000. Pp. 1631-1632.
2. CHRISTENSEN, G.J. "What Category of Impression Material is Best for Your Practice?". JADA. Vol. 128, July 1997. Pp. 1026-1028.
3. CHRISTENSEN, G.J. "Now is the Time to Change to Custom Impression Trays". JADA. Vol. 125, May 1994. Pp. 619-620.
4. CHRISTENSEN, G.J. "Complex Fixed and Implant Prosthodontics: Making Nearly Foolproof Impressions". JADA. Vol. 123, December 1992. Pp. 69-70.

POST TEST

C502A POURING AND TRIMMING CASTS

1. Dies should be poured in:
 - a. model stone.
 - b. densite.
 - c. laboratory plaster.
 - d. none of the above.

2. Diagnostic casts should be poured in:
 - a. model stone.
 - b. laboratory plaster.
 - c. quick-setting stone.
 - d. any of the above depending on the situation.

3. Typically, alginate impressions should be poured within:
 - a. one minute.
 - b. five minutes.
 - c. ten minutes.
 - d. doesn't matter.

4. Diagnostic casts should be trimmed:
 - a. in a characteristic geometric shape as described in this presentation.
 - b. in direct relation to the mucobuccal fold.
 - c. rectangular with longest surface on posterior of cast.
 - d. triangular.

5. Removable prosthodontic casts should be trimmed:
 - a. in a characteristic geometric shape as described in this presentation.
 - b. in direct relation to the mucobuccal fold.
 - c. doesn't matter.
 - d. none of the above.

PLEASE PRINT

Name _____

Name of video purchaser (if different from above) _____

Address _____

City/State/Zip _____

Phone No. _____

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

AGD No. _____

State License No. _____