

PRACTICAL CLINICAL COURSES
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Career Development Program

V2452
Infection Control for Every Dental Practice

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
V2452 Infection Control for Every Dental Practice
Presented by: Gordon J. Christensen, DDS, MSD, PhD

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3M ESPE Dental Products
3M Center
Bldg. 275-2SE-03
St. Paul, MN 55144
(800)634-2249
(651)575-5144
www.3mespe.com
2. **Avagard Foam**
3M ESPE Dental Products
3M Center
Bldg. 275-2SE-03
St. Paul, MN 55144
(800)634-2249
(651)575-5144
www.3mespe.com
3. **Bio-Flex Blue Nitrile**
Bio-Flex
1955 Tyler Street
Hollywood, FL 33020
(800)755-4588
www.bio-flex.com
4. **Bio-Pure**
Bio-Pure Products Inc.
P.O. Box 2230
Minden, NV 89423
(888)596-6546
(775)309-4828
www.biopureproducts.com
5. **BioSURF**
Micrylium Professional
Disinfection
5000-M Dufferin
North York, ON M3H 5T5
CANADA
(800)489-8868
(416)667-7040
www.micrylium.com
6. **Cidex OPA**
Local Dealers
7. **Cidexplus**
Local Dealers
8. **Critical Cover PFL Masks**
Alpha Pro Tech
236 North 2200 West
Salt Lake City, UT 84116
(800)749-1363
(801)355-5816
www.alphaprotech.com
9. **Dazzle ps**
Whip Mix Corporation
361 Farmington Avenue
P.O. Box 17183
Louisville, KY 40217
(800)626-5651
(502)637-1451
www.whipmix.com
10. **Disposable O/R Gown**
Salvin Dental Specialties
3450 Latrobe Drive
Charlotte, NC 28211
(800)535-6566
(704)442-5400
www.salvin.com
11. **Elastex Nitrile Gloves**
Henry Schein, Inc.
135 Duryea Road
Melville, NY 11747
(800)582-2702
(631)843-5500
www.henryschein.com
12. **enMotion Towel Dispenser**
Georgia-Pacific Professional
133 Peachtree Street N.E.
Atlanta, GA 30303
(866)435-5647
www.gppro.com
13. **Flour of Pumice**
Local Dealers
14. **Googles Professional Eyeshields**
Kerr TotalCare
1717 West Collins
Orange, CA 92867
(800)841-1428
(714)516-7400
www.kerrtotalcare.com
15. **Hibiclens**
Molnlycke Health Care US, LLC
5550 Peachtree Parkway
Suite 500
Norcross, GA 30092
(800)882-4582
(678)250-7900
www.molnlycke.com

16. **HYDRIM**
SciCan Inc.
701 Technology Drive
Canonsburg, PA 15317
(800)572-1211
(724)820-1600
www.scican.com
17. **Indermil**
Covidien
15 Hampshire Street
Mansfield, MA 02048
(800)722-8772
www.ndermil.de
18. **Kimwipes**
Kimberly-Clark Professional
1400 Holcomb Bridge Road
Roswell, GA 30076
(800)241-3146
www.kcprofessional.com
19. **Landau Clinical Gown #7551**
Local Uniform Distributor
20. **LeSoothe Latex-Free Exam Gloves**
SmartPractice
3400 E. McDowell Road
Phoenix, AZ 85008
(800)522-0800
www.smartpractice.com
21. **Lilac Utility Gloves**
Hu-Friedy Mfg. Co., LLC
3232 North Rockwell Street
Chicago, IL 60618-5935
(800)483-7433
(773)975-6100
www.hu-friedy.com
22. **Loctite Super Glue**
Local Hardware Store
23. **Loupes**
Designs for Vision
760 Koehler Avenue
Ronkonkoma, NY 11779
(800)345-4009
(631)585-3300
www.designsforvision.com
24. **Loupes**
Orascoptic
3225 Deming Way
Suite 190
Middleton, WI 53562
(800)369-3698
(608)831-2555
www.orascoptic.com
25. **Loupes**
SurgiTel
77 Enterprise Drive
Ann Arbor, MI 48103
(800)959-0153
(734)996-9200
www.surgitel.com
26. **Lysol Brand III I.C. Disinfectant Spray**
Reckitt Benckiser Professional
Morris Corporate Center IV
399 Interpace Parkway
P.O. Box 225
Parsippany, NJ 07054
(800)333-3899
(973)404-2600
www.reckittprofessional.com
27. **M11 UltraClave Automatic Sterilizer**
Midmark Corporation
1700 S. Patterson Blvd.
Suite 400
Dayton, OH 45409
(800)643-6275
(937)526-3662
www.midmark.com
28. **M250 Soniclean Ultrasonic Cleaner**
Midmark Corporation
1700 S. Patterson Blvd.
Suite 400
Dayton, OH 45409
(800)643-6275
(937)526-3662
www.midmark.com
29. **Micro-Touch NextStep**
Ansell Healthcare LLC
111 Wood Avenue
Suite 210
Iselin, NJ 08830
(800)800-0444
(732)345-5400
www.ansellhealthcare.com
30. **Monarch Products**
Air Techniques
1295 Walt Whitman Road
Melville, NY 11747
(800)247-8324
(516)433-7676
www.airtechniques.com
31. **O-PAK**
AD Surgical
1296 Kifer Road
Suite 608
Sunnyvale, CA 94086
(888)841-8481
(408)541-1393
www.ad-surgical.com
32. **OsseoSet 100**
Nobel Biocare USA, LLC
22715 Savi Ranch Parkway
Yorba Linda, CA 92887
(800)322-5001
(714)282-4800
www.nobelbiocare.com

33. **PeriAcryl**
Salvin Dental Specialties
3450 Latrobe Drive
Charlotte, NC 28211
(800)535-6566
(704)442-5400
www.salvin.com
34. **Peridex Chlorhexidine Gluconate**
3M ESPE Dental Products
3M Center
Bldg. 275-2SE-03
St. Paul, MN 55144
(800)634-2249
(651)575-5144
www.3mespe.com
35. **Plak Smacker Vinyl Gloves**
Plak Smacker
755 Trademark Circle
Corona, CA 92879
(800)558-6684
(951)898-7600
www.plaksmacker.com
36. **QUATTROcare**
KaVo Dental
11729 Fruehauf Drive
Charlotte, NC 28273
(888)275-5286
(847)550-6800
www.kavousa.com
37. **Rollens**
Rollens Professional Products
16610 Amberstone Way
Parker, CO 80134
(800)898-7474
(303)840-2238
www.rollens.com
38. **STATIM 5000**
SciCan Inc.
701 Technology Drive
Canonsburg, PA 15317
(800)572-1211
(724)820-1600
www.scican.com
39. **Surgical Handpiece**
Many Distributors
40. **TOUCH LESS Liquid Soap Dispenser**
Sultan Healthcare
411 Hackensack Avenue
9th Floor
Hackensack, NJ 07601
(800)637-8582
(201)871-1232
www.sultanhealthcare.com
41. **Triple Layer Molded Face Masks**
3M ESPE Dental Products
3M Center
Bldg. 275-2SE-03
St. Paul, MN 55144
(800)634-2249
(651)575-5144
www.3mespe.com
42. **Vistaclear**
Vista Research Group
P.O. Box 321
Ashland, OH 44805
(419)281-3927
www.vistaresearchgroup.com

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

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PROGRAM

V2452 Infection Control for Every Dental Practice

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

On completion of this video, viewers should be able to:

1. Describe the state of infection control in dentistry.
2. Describe how to integrate CDC infection control requirements to a typical real-world practice.
3. List the vaccinations CDC has requested for dental health care workers.
4. Describe adequate clinical attire for dentists.
5. Describe adequate eye protection.
6. Discuss if dentists should treat obviously sick patients.
7. Discuss if dentists and staff should treat patients when they themselves are sick.
8. Describe cleaning an operatory after treating a patient.
9. Describe adequate disinfection for office countertops.
10. Discuss what to do with in-office waterlines to prevent contamination.
11. Describe the several methods for acceptable hand hygiene.
12. List how you can easily place a “dressing” on a minor cut.
13. Describe what to do with needle sticks.
14. List the four types of glove materials and their characteristics.
15. Describe how to overcome latex allergies related to gloves.
16. Describe the two major types of face masks and how to apply them.
17. Describe how to clean, disinfect, and/or sterilize instruments.
18. Describe how to use prosthodontic polishing lathes with minimal cross-contamination possibilities.
19. Differentiate between disinfection and sterilization.
20. Discuss techniques to make idealistic infection control suggestions most applicable to a real-world dental practice.

OVERVIEW

V2452 Infection Control for Every Dental Practice

Some aspects of infection control have had difficulty being accepted by typical practicing dentists.

Although many idealistic recommendations have been made by federal and independent groups, dentists have had difficulty easily adapting to some of these suggestions.

This video has been made to candidly look at Centers for Disease Control recommendations, adapt them to typical practice needs and desires, and make suggestions about how to practice adequate infection control, and meet the CDC standards, without spending so much time that it distracts from practice productivity.

The following and other topics are included:

- State of infection control in U.S. practices
- Importance of infection control
- Adapting infection control to real-world practice
- Personal disease prevention concepts
- Personal cleanliness
- Working when sick
- Treating sick patients
- Protective clothing
- Eye protection
- Condition of operatory at beginning of treatment
- Environmental surfaces
- Dental unit waterlines
- Vacuum systems
- Ensuring patient of infection control procedures
- Infection control during a procedure
- Reducing patient contamination
- Cleaning operatories after a procedure
- Handling contaminated instruments
- Cleaning instruments
- Preparation and packaging instruments
- CDC definitions of need for instrument disinfection and sterilization
- Instrument disinfection
- Instrument sterilization
- Instrument storage
- Handpiece sterilization
- Laboratory infection control
- Staff continuing education
- Cost of infection control

SUPPLEMENTAL MATERIALS

V2452 Infection Control for Every Dental Practice

1. Yamalik N, Van Dijk W. Analysis of the attitudes and needs/demands of dental practitioners in the field of patient safety and risk management. *Int Dent J.* 2013 Dec;63(6):291-7.
2. Hovliaras CA. Preprocedural rinsing in the dental office: a consideration for improved infection control among the dental team and patients. *J N J Dent Assoc.* 2013 Fall;84(4):27-31.
3. Smith AJ, Wilson SL, Read S, Welsh J, Gammie E, Szuster J, Davidson J, Binnie V. Patients' perception of infection prevention in dental practice. *Am J Infect Control.* 2014 Mar;42(3):337-9. doi: 10.1016/j.ajic.2013.09.017.
4. No authors listed. OSHA-required and CDC-recommended workplace training. *Dent Assist.* 2013 Nov-Dec;82(6):14.
5. Dallolio L, Scuderi A, Rini MS, Valente S, Farruggia P, Sabattini MA, Pasquinelli G, Acacci A, Roncarati G, Leoni E. Effect of different disinfection protocols on microbial and biofilm contamination of dental unit waterlines in community dental practices. *Int J Environ Res Public Health.* 2014 Feb 18;11(2):2064-76. doi: 10.3390/ijerph110202064.
6. Tada A, Watanabe M, Senpuku H. Factors influencing compliance with infection control practice in Japanese dentists. *Int J Occup Environ Med.* 2014 Jan;5(1):24-31.
7. Raju TB, Garapati S, Agrawal R, Reddy S, Razdan A, Kumar SK. Sterilizing Endodontic Files by four different sterilization methods to prevent cross-infection - An In-vitro Study. *J Int Oral Health.* 2013 Dec;5(6):108-12. Epub 2013 Dec 26.
8. Serban D, Banu A, Serban C, Tută-Sas I, Vlaicu B. Predictors of quantitative microbiological analysis of spatter and aerosolization during scaling. *Rev Med Chir Soc Med Nat Iasi.* 2013 Apr-Jun;117(2):503-8.
9. Klevens RM, Moorman AC. Hepatitis C virus: an overview for dental health care providers. *J Am Dent Assoc.* 2013 Dec;144(12):1340-7.
10. Schmidt E. Infection control education integral to dental assistant training. *LDA J.* 2013 Fall;72(3):30.
11. Salvia AC, Matilde Fdos S, Rosa FC, Kimpara ET, Jorge AO, Balducci I, Koga-Ito CY. Disinfection protocols to prevent cross-contamination between dental offices and prosthetic laboratories. *J Infect Public Health.* 2013 Oct;6(5):377-82. doi: 10.1016/j.jiph.2013.04.011. Epub 2013 Jun19.
12. Garland KV. A survey of United States dental hygienists' knowledge, attitudes, and practices with infection control guidelines. *J Dent Hyg.* 2013 Jun;87(3):140-51.

SUPPLEMENTAL MATERIALS (CONT'D)

V2452 Infection Control for Every Dental Practice

13. Ahmad IA, Rehan EA, Pani SC. Compliance of Saudi dental students with infection control guidelines. *Int Dent J*. 2013 Aug;63(4):196-201. doi: 10.1111/idj.12030. Epub 2013 Apr 15.
14. Kohn WG, Collins AS, Cleveland JL, Harte JA, Eklund KJ, Malvitz DM. Guidelines for Infection Control in Dental Health–Care Settings --- 2003. Retrieved from <http://www.cdc.gov/mmwr/preview/mmwrhtml/rr5217a1.htm>. MMWR. December 19, 2003;52(RR17):1-61. *Plus updates*.
15. Sehulster L, Chinn RYW. Guidelines for Environmental Infection Control in Health-Care Facilities. Retrieved from <http://www.cdc.gov/mmwr/preview/mmwrhtml/rr5210a1.htm>. MMWR. June 6, 2003;52(RR10):1-42. *Plus updates*.
16. Boyce JM, Pittet D. Guideline for Hand Hygiene in Health-Care Settings. Retrieved from <http://www.cdc.gov/mmwr/preview/mmwrhtml/rr5116a1.htm>. MMWR. October 25, 2002;51(RR16):1-44. *Plus updates*.

POST-TEST

V2452 Infection Control for Every Dental Practice

1. The Centers for Disease Control has made the following suggestions relative to vaccinations for dental health care workers:
 - a. vaccinations are not needed for dental health care workers.
 - b. only flu and hepatitis B vaccinations are needed once per year.
 - c. hepatitis B, flu, MMR (measles, mumps, and rubella), Tdap (tetanus, diphtheria, pertussis) are needed.
 - d. only hepatitis B, MMR (measles, mumps, and rubella), Tdap (tetanus, diphtheria, pertussis) are needed.

2. Which is NOT a CDC recommendation?
 - a. Needles for local anesthetic should be used only once.
 - b. "Scrubs" are the recommended clinical attire.
 - c. Rag wheels for denture polishing should be sterilized.
 - d. Long sleeves are recommended on clinical gowns.

3. Vacuum systems should be cleaned:
 - a. monthly.
 - b. weekly.
 - c. daily.
 - d. as needed.

4. The most commonly used source of water in dental offices is:
 - a. chemical treatment.
 - b. independent reservoirs.
 - c. filtration.
 - d. combinations of above.
 - e. sterile water delivery systems.

5. Which is NOT recommended?
 - a. Purge each handpiece before starting practice.
 - b. Change gloves for each patient.
 - c. Spray disinfectants onto countertops.
 - d. Place barriers on all surfaces likely to be contaminated with blood.

6. Which is correct?
 - a. Change gloves after each anesthetic injection.
 - b. You do not need to wash hands after removing gloves.
 - c. Wash hands after removing gloves.
 - d. A small perforation in a glove does not require new gloves.

7. Latex allergies are present in about ___% of the general public.
 - a. 3
 - b. 6
 - c. 1
 - d. 10

POST-TEST (CONT'D)

V2452 Infection Control for Every Dental Practice

- 8. Laboratory pumice polishing lathe pans:
 - a. should receive a replenishment of fresh pumice after each polishing task.
 - b. should receive new pumice or other abrasive after each use.
 - c. do not require an aluminum foil barrier in the bottom of the pan.
 - d. are not a major potential infection control problem.

- 9. When cleaning contaminated instruments:
 - a. place new examination gloves on before starting.
 - b. wear gowns covering your arms.
 - c. ultrasonic cleaning should always be used.
 - d. you do not need to wear a face mask.

- 10. The cost of infection control per patient was indicated to be about:
 - a. \$5
 - b. \$10
 - c. \$15
 - d. \$20

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