

PRACTICAL CLINICAL COURSES
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Career Development Program

V2305
Proven Simple and Successful Use of Mini Implants

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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PRACTICAL CLINICAL COURSES
Sources of Products Discussed in
V2305 Proven Simple and Successful Use of Mini Implants
Presented by: Gordon J. Christensen, DDS, MSD, PhD

1. **AccuFilm II**
Parkell, Inc.
300 Executive Drive
Edgewood, NY 11717
(800)243-7446
(631)249-1134
www.parkell.com
2. **CBCT Company:**
Carestream Dental LLC
3625 Cumberland Blvd.
Suite 700
Atlanta, GA 30339
(800)944-6365
www.carestreamdental.com
3. **CBCT Company:**
Dentsply Sirona
13320-B Ballantyne Corporate Pl.
Charlotte, NC 28277
(844)848-0137
www.dentsplysirona.com
4. **CBCT Company:**
Planmeca USA Inc.
2600 Forbs Avenue
Hoffman Estates, IL 60192
(800)537-6070
(630)529-2300
www.planmeca.com
5. **CBCT Company:**
PreXion, Inc.
2077 Gateway Place
Suite 120
San Jose, CA 95110
(855)773-9466
(650)212-0314
www.prexion.com
6. **CBCT Company:**
Vatech America Inc.
2200 Fletcher Avenue
Suite 705A
Fort Lee, NJ 07024
(888)396-6872
(201)210-5028
www.vatechamerica.com
7. **CBCT Company (i-CAT):**
KaVo Dental
200 S Kraemer Blvd.
Bldg E2
Brea, CA 92821
(888)275-5286
www.kavo.com
8. **CHAIRSIDE Attachment Processing Material**
Zest Dental Solutions
2875 Loker Avenue East
Carlsbad, CA 92010
(800)262-2310
(442)244-4835
www.zestdent.com
9. **CHAIRSIDE Denture Prep and Polish Kit**
Zest Dental Solutions
2875 Loker Avenue East
Carlsbad, CA 92010
(800)262-2310
(442)244-4835
www.zestdent.com
10. **CHAIRSIDE Soft Reline Material**
Zest Dental Solutions
2875 Loker Avenue East
Carlsbad, CA 92010
(800)262-2310
(442)244-4835
www.zestdent.com
11. **Crisco Shortening**
Local Grocery Store
12. **Fit Checker**
GC America Inc.
3737 W 127th Street
Alsip, IL 60803
(800)323-7063
www.gcamerica.com
13. **Implantmed (W&H International)**
W&H Impex Inc.
6490 Hawthorne Drive
Windsor, ON N8T 1J9
Canada
(800)265-6277
(519)944-6739
www.wh.com

14. **Implant Surgical System (AEU-7000E-70V)**
 Aseptico, Inc.
 8333 216th Street SE
 Woodinville, WA 98072
 (866)244-2954
www.aseptico.com
15. **Inclusive Mini Implant System**
 Glidewell
 4141 MacArthur Blvd.
 Newport Beach, CA 92660
 (800)854-7256 (USA)
 (888)278-0414 (Canada)
www.glidewelldental.com
16. **LODI**
 Zest Dental Solutions
 2875 Loker Avenue East
 Carlsbad, CA 92010
 (800)262-2310
 (442)244-4835
www.zestdent.com
17. **Madame Butterfly Silk**
 Almore International, Inc.
 P.O. Box 25214
 Portland, OR 97298
 (800)547-1511
 (503)643-6633
www.almore.com
18. **MDL Small-Diameter Implants**
 Intra-Lock International
 2300 Riverchase Center
 Suite 815
 Birmingham, AL 35244
 (877)330-0338
 (561)447-8282
www.intra-lock.com
19. **MDL Small-Diameter Implants**
 Shatkin F.I.R.S.T., LLC
 2495 Kensington Avenue
 Amherst, NY 14226
 (888)474-2854
www.shatkinfirst.com
20. **Occlusal Indicator Wax**
 Kerr Corporation
 200 S. Kraemer Blvd.
 Bldg. E2
 Brea, CA 92821
 (800)537-7123
www.kerrdental.com
21. **Permadyne**
 3M Oral Care
 2510 Conway Avenue
 St. Paul, MN 55144-1000
 (800)237-1650
 (651)733-1110
www.3m.com
22. **PermaSoft**
 Dentsply Sirona Canada
 60 Courtney Park Dr W, Unit 1
 Mississauga, ON L5W 0B3
 Canada
 (800)263-1437
 (905)851-6060
www.dentsplysirona.com/en-ca
23. **Ridge Mapping Caliper**
 Salvin Dental Specialties, Inc.
 3450 Latrobe Drive
 Charlotte, NC 28211
 (800)535-6566
 (704)442-5400
www.salvin.com
24. **SafeWear Disposable Jackets**
 Medicom USA
 4049 Allen Station Road
 Augusta, GA 30906
 (800)361-2862
 (514)636-6131
www.medicom.com
25. **Suzuki Basic Periodontal Kit**
 Hu-Friedy Mfg. Co., LLC
 3232 North Rockwell Street
 Chicago, IL 60618-5935
 (800)483-7433
www.hu-friedy.com
26. **Triad Custom Tray Material**
 Dentsply Sirona Canada
 60 Courtney Park Dr W, Unit 1
 Mississauga, ON L5W 0B3
 Canada
 (800)263-1437
 (905)851-6060
www.dentsplysirona.com/en-ca
27. **Triad TruTray Custom Tray Material**
 Dentsply Sirona Canada
 60 Courtney Park Dr W, Unit 1
 Mississauga, ON L5W 0B3
 Canada
 (800)263-1437
 (905)851-6060
www.dentsplysirona.com/en-ca

28. **TrollFoil Articulating Foil**
TrollDental - DIRECTA Inc.
64 Barnabas Road, Unit 3
Newtown, CT 06470
(203)491-2273
www.trolldental.com/us

29. **Zinc Oxide Powder**
Local Pharmacy

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
Toll Free (800) 223-6569 or Utah Residents (801) 226-6569**

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PROGRAM

V2305 Proven Simple and Successful Use of Mini Implants

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. Describe the current state of small-diameter implants (SDIs).
2. List the indications for SDIs.
3. List the rules for obtaining clinical success with SDIs.
4. List three brands of SDIs.
5. Discuss the supplies and instruments necessary for placing SDIs.
6. Discuss when a flap is needed when placing an implant.
7. List the clinical steps for placing an SDI.
8. Discuss the type of local anesthesia normally used for placement of SDIs.
9. Explain length of time required for initial soft-tissue healing.
10. Discuss the contents of a surgical kit for SDIs.
11. Discuss the number of SDIs to be placed in an edentulous mandible.
12. Discuss the number of SDIs to be placed in an edentulous maxilla.
13. Discuss what clinical conditions usually require making a soft-tissue flap.
14. Discuss what type of sutures to use when making a flap.
15. Describe the technique for placing soft denture reline material into “wells” in a denture allowing initial implant healing without a rigid abutment.
16. Discuss immediate loading of implant and when this is acceptable.
17. Discuss when immediate loading is contraindicated.
18. Describe a final impression procedure.
19. Describe the need or lack of it for a healing period and the time to wait.
20. Describe the denture seating appointment.

OVERVIEW

V2305 Proven Simple and Successful Use of Mini Implants

This video is on one of the most needed techniques in a typical general dentist's practice, small-diameter implants (SDIs) for edentulous and partially edentulous patients. The following and other topics are included:

- The current state of small-diameter implants (SDIs)
- Indications for SDIs
- Rules for obtaining clinical success with SDIs
- Three brands of SDIs
- Supplies and instruments necessary for placing SDIs
- When a flap is needed when placing an implant
- Clinical steps for placing an SDI
- Type of local anesthetic normally used for placement of SDIs
- Length of time required for initial soft-tissue healing
- Contents of a surgical kit for SDIs
- Number of SDIs to be placed in an edentulous mandible
- Number of SDIs to be placed in an edentulous maxilla
- Clinical conditions usually requiring making a soft-tissue flap
- Type of sutures to use when closing a flap
- Technique for placing soft denture reline material into "wells" in a denture allowing initial implant healing without a rigid abutment
- Immediate loading of implant and when this is acceptable
- When immediate loading is contraindicated
- Final impression procedure
- Need or lack of it for a healing period and the time to wait
- Denture seating appointment
- Many other topics

SUPPLEMENTAL MATERIALS

V2305 Proven Simple and Successful Use of Mini Implants

1. Christensen GJ and Christensen RP. [Small Diameter “Mini” Implants – User Status Report](#). CRA Foundation Newsletter. 2007 Nov;31(11):1-2.
2. Shatkin TE, Shatkin S, Oppenheimer BD, and Oppenheimer AJ. [Mini dental implants for long-term fixed and removable prosthetics: a retrospective analysis of 2514 implants placed over a five-year period](#). Compend Contin Educ Dent. 2007 Feb;28(2):92-9; quiz 100-1.
3. Bulard RA and Vance JB. [Multi-clinic evaluation using mini-dental implants for long-term denture stabilization: a preliminary biometric evaluation](#). Compend Contin Educ Dent. 2005 Dec;26(12):892-7.
4. Griffiths TM, Collins CP and Collins PC. [Mini dental implants: an adjunct for retention, stability, and comfort for the edentulous patient](#). Oral Surg Oral Med Oral Pathol Oral Radiol Endod. 2005 Nov;100(5):e81-4. doi: 10.1016/j.tripleo.2005.06.018.
5. Vigolo P and Givani A. [Clinical Evaluation of single-tooth mini-implant restorations: A five-year retrospective study](#). The Journal of Prosthetic Dentistry. 2000 Jul;84(1):50-4.
6. Morneburg TR and Pröschel PA. [Success rates of microimplants in edentulous patients with residual ridge resorption](#). Int J Oral Maxillofac Implants. 2008 Mar-Apr;23(2):270-6.
7. Shatkin TE and Petrotto CA. [Mini dental implants: a retrospective analysis of 5640 implants placed over a 12-year period](#). Compend Contin Educ Dent. 2012;33 Spec 3:2-9.
8. Choi KS, Yoon HC, and Cho YS. [Immediate provisionalization of mini-implants with friction-engaging abutments in the mandibular anterior region: a 1-year retrospective study](#). Int J Periodontics Restorative Dent. Mar-Apr 2013;33(2):201-6. doi: 10.11607/prd.0505.
9. Geckili O, Mumcu E, and Bilhan H. [Radiographic Evaluation of Narrow-Diameter Implants After 5 Years of Clinical Function: A Retrospective Study](#). Journal of Oral Implantology. 2013;39(special issue):273-9.
10. Elsyad MA, Gebreel AA, Fouad MM, and Elshoukouki AH. [The clinical and radiographic outcome of immediately loaded mini implants supporting a mandibular overdenture. A 3-year prospective study](#). J Oral Rehabil. 2011 Nov;38(11):827-34. doi: 10.1111/j.1365-2842.2011.02213.x. Epub 2011 Mar 24.
11. Gleiznys A, Skirbutis G, Harb A, Barzdzikaite I, and Grinyte I. [New approach towards mini dental implants and small-diameter implants: an option for long-term prostheses](#). Stomatologija. 2012;14(2):39-45.
12. Sohrabi K, Mushantat A, Esfandiari S, and Feine J. [How successful are small-diameter implants? A literature review](#). Clin Oral Implants Res. 2012 May;23(5):515-25. doi: 10.1111/j.1600-0501.2011.02410.x. Epub 2012 Feb 7.

SUPPLEMENTAL MATERIALS (CONT'D)

V2305 Proven Simple and Successful Use of Mini Implants

13. Christensen GJ. [Ask Dr. Christensen: What Makes Small Diameter Implants Fail?](#) Dental Economics. 2014 Mar;104(3):32-6.
14. Christensen GJ. (ICOI). (2013). *How Well Are Small Diameter Implants Working?* [Webinar]. <https://www.dental-users.com/en/363/icoiwebinars.html>
15. Christensen GJ. [Mini Implants: Insight from Dr. Gordon Christensen](#). Inclusive Magazine. 2013 Nov; 4(2):20-3.
16. Christensen GJ. [The increased use of small-diameter implants](#). J Am Dent Assoc. 2009 Jun;140(6): 709-12. doi: 10.14219/jada.archive.2009.0258.
17. Christensen GJ and Swift Jr EJ. [Mini Implants: Good or Bad for Long-Term Service?](#) J Esthet Restor Dent. 2008 Oct;20(5):343-8.

POST-TEST

V2305 Proven Simple and Successful Use of Mini Implants

1. Small-diameter implants (SDIs) are _____ in diameter.
 - a. 1.0 to 2.0 mm
 - b. 1.8 to 2.9 mm
 - c. 2.0 to 2.2 mm
 - d. 2.0 to 2.5 mm

2. Standard-diameter implants are _____ in diameter.
 - a. 3.0 to 4.0 mm
 - b. 3.0 to 5.0 mm
 - c. 3.0 to 6.0 mm
 - d. 3.0 to ~7.0 mm

3. Surgical motor and surgical handpieces:
 - a. are not needed for SDIs.
 - b. are used only for difficult SDI cases.
 - c. should always be used for SDIs.
 - d. none of the above.

4. Making a soft-tissue flap:
 - a. is always indicated for SDIs.
 - b. is a difficult procedure.
 - c. is slow to heal.
 - d. is indicated some of the time for SDIs.

5. The typical number of SDIs for an edentulous mandible is _____ SDIs.
 - a. 2
 - b. 4
 - c. 6
 - d. 8

6. The typical number of SDIs for an edentulous maxilla is _____ SDIs.
 - a. 2
 - b. 4
 - c. 6
 - d. 8

7. Several SDIs placed in an edentulous mandible without a flap:
 - a. can usually be loaded immediately after placement.
 - b. require up to 4 months before loading.
 - c. can seldom be loaded immediately.
 - d. can always be loaded immediately.

POST-TEST (CONT'D)

V2305 Proven Simple and Successful Use of Mini Implants

- 8. Final impressions for edentulous mandibles having 4 implants:
 - a. should be made in alginate.
 - b. should be made in polyether.
 - c. should be made in vinyl polysiloxane.
 - d. should be made in either polyether or polysiloxane.

- 9. Suturing material was suggested to be:
 - a. polyester.
 - b. polyglycolic acid (PGA).
 - c. black silk.
 - d. polypropylene.

- 10. A suggested staff-made denture pressure spot detecting media is composed of:
 - a. 30% zinc oxide and 70% Crisco.
 - b. 40% zinc oxide and 60% Crisco.
 - c. 50% zinc oxide and 50% Crisco.
 - d. 60% zinc oxide and 40% Crisco.

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