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V2337

Restoring Small Diameter (Mini) Implants

Gordon J. Christensen, DDS, MSD, PhD

Materials Included

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PRACTICAL CLINICAL COURSES
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V2337 Restoring Small Diameter (Mini) Implants

Presented by: Gordon J. Christensen, DDS, MSD, PhD

1. **Atlas Narrow-Body Implants**
Dentatus USA Ltd.
192 Lexington Avenue
New York, NY 10016
(800)323-3136
(212)481-1010
www.dentatus.com
2. **ERA Attachment**
Sterngold Dental, LLC
23 Frank Mossberg Drive
Attleboro, MA 02703
(800)243-9942
(508)226-5660
www.sterngold.com
3. **ERA PickUp Material**
Sterngold Dental, LLC
23 Frank Mossberg Drive
Attleboro, MA 02703
(800)243-9942
(508)226-5660
www.sterngold.com
4. **Implant System (ERA)**
Sterngold Dental, LLC
23 Frank Mossberg Drive
Attleboro, MA 02703
(800)243-9942
(508)226-5660
www.sterngold.com
5. **Male-Female Abutment**
Sterngold Dental, LLC
23 Frank Mossberg Drive
Attleboro, MA 02703
(800)243-9942
(508)226-5660
www.sterngold.com
6. **SMALL DIAMETER (MINI) IMPLANT COMPANY: Dentatus USA Ltd.**
192 Lexington Avenue
New York, NY 10016
(800)323-3136
(212)481-1010
www.dentatus.com
7. **SMALL DIAMETER (MINI) IMPLANT COMPANY: Dental Implant Technologies**
8776 East Shea Blvd.
Suite B3A/144
Scottsdale, AZ 85260
(800)452-0582
(480)451-9470
www.dentalimplanttech.com
8. **SMALL DIAMETER (MINI) IMPLANT COMPANY: Implant Direct LLC**
27030 Malibu Hills Road
Calabasas Hills, CA 91301
(818)444-3333
www.implantdirect.com
9. **SMALL DIAMETER (MINI) IMPLANT COMPANY: IMTEC a 3M Company**
2401 North Commerce
Ardmore, OK 73401
(800)879-9799
(580)223-4456
www.imtec.com
10. **SMALL DIAMETER (MINI) IMPLANT COMPANY: Intra-Lock International, Inc.**
6560 West Rogers Circle
Suite 24
Boca Raton, FL 33487
(877)330-0338
(561)353-4335
www.intra-lock.com
11. **SMALL DIAMETER (MINI) IMPLANT COMPANY: Sterngold Dental, LLC**
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Attleboro, MA 02703
(800)243-9942
(508)226-5660
www.sterngold.com
12. **Spherical Abutment**
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PROGRAM

V2337 Restoring Small Diameter (Mini) Implants

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. Describe the characteristics of a small diameter (mini) implant.
2. List the major indications for small diameter (mini) implants.
3. Discuss the clinical success to date for small diameter (mini) implants.
4. Discuss the six characteristics required for adequate informed consent.
5. Describe the types of abutments for small diameter (mini) implants.
6. Discuss when spherical abutments may be more appropriate for clinical use than ERA or Locator abutments.
7. Describe when custom abutments may be indicated.
8. List the steps in the clinical procedure using small diameter (mini) implants as retention and support for mandibular complete dentures.
9. Describe the amount of bone necessary for placement of small diameter (mini) implants.
10. List the popular diameters of small diameter (mini) implants.
11. List the steps in the procedure using small diameter (mini) implants as retention and support for removable partial dentures.
12. Describe the number of small diameter (mini) implants usually used for mandibular complete dentures.
13. Describe the number of small diameter (mini) implants usually used for maxillary complete dentures.
14. Describe the category of bone most appropriate for use of small diameter (mini) implants.
15. Discuss and compare fees for small diameter (mini) implants vs. conventional diameter implants.
16. Describe the three general techniques providing retention and support of complete dentures using small diameter (mini) implants.
17. List several cautions when using small diameter (mini) implants.
18. List several alternative therapies for complete dentures other than using small diameter (mini) implants.
19. Describe the relative success of conventional complete mandibular dentures not using small diameter (mini) implants and complete mandibular dentures using small diameter (mini) implants for retention and support.
20. Describe how you could integrate small diameter (mini) implants into your practice.

OVERVIEW

V2337 Restoring Small Diameter (Mini) Implants

Conventional diameter root form implants 3mm in diameter were cleared by the US FDA in 1976, and they have become commonplace in dental practices worldwide. However, many patients cannot afford the complex treatment plans using conventional diameter implants often offered to them. Additionally, some patients are too physically debilitated to endure the surgical procedures sometimes accompanying placement and restoration of conventional diameter implants.

The most simple and significant answer to the preceding dilemmas is use of small diameter (mini) implants, which are under 3mm in diameter. These small implants are essentially the same metal composition as larger implants. They are just smaller in diameter. They integrate into bone in the same manner as conventional implants and time period as implants 3mm in diameter and larger. Placement of small diameter (mini) implants is usually relatively atraumatic and often does not require analgesics for pain after placement. Many can be placed without making a surgical flap.

Small diameter (mini) implants have been cleared by the FDA since 1997. Millions of small diameter (mini) implants have been placed and 91 to 97 percent have been shown to serve successfully for prosthodontic purposes. Reasons for failure, when it occurs, are the same as for conventional diameter implants. The major uses for small diameter (mini) implants are for mandibular and maxillary removable complete dentures, with secondary uses for removable partial dentures, augmentation or complete support for fixed partial dentures, and with growing optimism for support of some single tooth replacements.

This video shows the use of small diameter (mini) implants in all of the above techniques, considering each of the following characteristics for each category of prosthesis:

1. Location of the implants
2. Types of abutments
3. Clinical procedure
4. Laboratory procedure

Many clinical suggestions are made in the presentation to ensure optimum chances for success.

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POST TEST

V2337 Restoring Small Diameter (Mini) Implants

1. A "mini" or small diameter implant is _____ in diameter.
 - a. 1.0-1.5 mm
 - b. 1.6-2.0 mm
 - c. up to 1.9 mm
 - d. up to 2.9 mm

2. The most flexibility between denture and implant is afforded by which small diameter (mini) implant abutment?
 - a. custom
 - b. spherical
 - c. ERA
 - d. locator

3. When comparing the strength of small diameter (mini) implants to conventional diameter implants, about _____ small diameter (mini) implants are the equivalent for one average conventional diameter implant.
 - a. one
 - b. two
 - c. three
 - d. four

4. Informed consent for patients should include:
 - a. alternatives for care.
 - b. advantages of each alternative.
 - c. disadvantages of each alternative.
 - d. risks of each alternative.
 - e. costs of each alternative.
 - f. what happens if you do no treatment at all.
 - g. all of the above.

5. To date, the major use for small diameter (mini) implants has been:
 - a. maxillary complete dentures.
 - b. fixed prostheses.
 - c. mandibular complete dentures.
 - d. single tooth replacements.
 - e. the above needs have about equal use.

6. Using small diameter (mini) implants, most techniques, assuming adequate bone quality and quantity, suggest using ____ small diameter (mini) implants for retention and support of mandibular complete dentures.
 - a. two
 - b. four
 - c. six
 - d. eight

POST TEST (CONT'D)

V2337 Restoring Small Diameter (Mini) Implants

7. Using small diameter (mini) implants, most techniques, assuming adequate bone quality and quantity suggest using _____ small diameter (mini) implants for maxillary complete dentures using spherical abutments.
 - a. two
 - b. four
 - c. six
 - d. eight

8. In fee surveys on small diameter (mini) implants, the average fee for small diameter (mini) implants is about _____ the cost for placement of a conventional diameter implant.
 - a. the same as
 - b. two-thirds of
 - c. three-quarters of
 - d. one-half of

9. A frequent error in placement of small diameter (mini) implants is:
 - a. implant not screwed into bone deeply enough.
 - b. implant not parallel with other implants.
 - c. implant in wrong location.
 - d. all of the above.

10. Which abutments allow slight or moderate flexibility between the denture and the abutment?
 - a. custom and sphere
 - b. sphere and ERA
 - c. locator and sphere
 - d. custom and ERA

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