

## **PRACTICAL CLINICAL COURSES**

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Career Development Program

**S1570 or V1570**

**Botox and Dermal Fillers in Dentistry**

Louis Malcmacher, DDS  
Gordon J. Christensen, DDS, MSD, PhD

### **Materials Included:**

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

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**PRACTICAL CLINICAL COURSES**

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Gordon J. Christensen  
**PRACTICAL CLINICAL COURSES**  
*Sources of Products Discussed in*

**\$1570 or V1570 Botox and Dermal Fillers in Dentistry**

Presented by: Louis Malcmacher, DDS & Gordon J. Christensen, DDS, MSD, PhD

- |  |   |   |
|--|---|---|
| 1. <b>Bacteriostatic 0.9% Sodium Chloride Injection, USP</b><br>Pfizer Inc.<br>66 Hudson Blvd East<br>New York, NY 10001-2192<br>(800)879-3477<br><a href="http://www.pfizer.com">www.pfizer.com</a> | 5. <b>Comfortox Syringe (3ml/cc, 22 Gauge, 1")</b><br>STATDDS<br>2121 South Green Road<br>South Euclid, OH 44121<br>(800)693-9076<br><a href="http://www.statdds.com">www.statdds.com</a> | 10. <b>Radiesse</b><br>Merz North America, Inc.<br>6501 Six Forks Road<br>Raleigh, NC 27615<br>(888)972-4588<br>(919)582-8000<br><a href="http://www.radiesse.com">www.radiesse.com</a> |
| 2. <b>Belotero Balance</b><br>Merz North America, Inc.<br>6501 Six Forks Road<br>Raleigh, NC 27615<br>(888)972-4588<br>(919)582-8000<br><a href="http://www.belotero.com">www.belotero.com</a>       | 6. <b>Dysport</b><br>Galderma Laboratories, LP<br>2001 Ross Avenue<br>Suite 1600<br>Dallas, TX 75201<br>(866)735-4137<br><a href="http://www.galderma.com">www.galderma.com</a>           | 11. <b>Restylane</b><br>Galderma Laboratories, LP<br>2001 Ross Avenue<br>Suite 1600<br>Dallas, TX 75201<br>(866)735-4137<br><a href="http://www.galderma.com">www.galderma.com</a>      |
| 3. <b>Botox Cosmetic</b><br>AbbVie Inc.<br>1 North Waukegan Road<br>North Chicago, IL 60064<br>(800)255-5162<br><a href="http://www.botoxcosmetic.com">www.botoxcosmetic.com</a>                     | 7. <b>Eyebrow Pencil</b><br>Local Retailers   | 12. <b>STATDDS Sleep and Bruxism Device</b><br>STATDDS<br>2121 South Green Road<br>South Euclid, OH 44121<br>(800)693-9076<br><a href="http://www.statdds.com">www.statdds.com</a>      |
| 4. <b>Comfortox Syringe (0.5cc/ml, 31 Gauge X 8mm)</b><br>STATDDS<br>2121 South Green Road<br>South Euclid, OH 44121<br>(800)693-9076<br><a href="http://www.statdds.com">www.statdds.com</a>        | 8. <b>Juvéderm Ultra Plus XC</b><br>AbbVie Inc.<br>1 North Waukegan Road<br>North Chicago, IL 60064<br>(800)255-5162<br><a href="http://www.juvederm.com">www.juvederm.com</a>            | 13. <b>Xeomin</b><br>Merz Pharmaceuticals, LLC<br>6601 Six Forks Road<br>Suite 400<br>Raleigh, NC 27615<br>(919)582-8000<br><a href="http://www.xeomin.com">www.xeomin.com</a>          |
|  | 9. <b>Lidocaine Hydrochloride</b><br>Pfizer Inc.<br>66 Hudson Blvd East<br>New York, NY 10001-2192<br>(800)879-3477<br><a href="http://www.pfizer.com">www.pfizer.com</a>                 |   |

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

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## **PROGRAM**

### **S1570 or V1570 Botox and Dermal Fillers in Dentistry**

#### **CLINICIANS RESPONSIBLE:**

**Louis Malcmacher, DDS**

Expert in Botox and Dermal Fillers

Practicing General Dentist

Internationally Known Lecturer and Author

President of the American Academy of Facial Esthetics

**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, participants should be able to accomplish the following:

1. Discuss the importance of facial esthetic appearance to most patients.
2. Discuss how to determine potential patients for Botox and dermal fillers.
3. Describe the difference between Botox and dermal fillers.
4. Describe the most common uses of Botox.
5. Describe the most common uses of dermal fillers.
6. Discuss smoothing skin wrinkles with Botox.
7. Describe the method to reduce or eliminate “gummy smiles” with dermal fillers.
8. Describe the method to reduce bulging muscles, masseter, when the patient chews.
9. Discuss the ability to reduce bruxism with these materials.
10. Describe the methods to change contours of the face with dermal fillers.
11. Describe how to reduce or eliminate “black triangles” between teeth with dermal fillers.
12. Discuss changing lip contour with dermal fillers.
13. Describe the method to fill in areas of the face where muscles have diminished in size.
14. Discuss reducing or eliminating angular cheilitis with dermal fillers.
15. Discuss how dermal fillers work.
16. Discuss how Botox works.
17. Describe how long Botox treatments last.
18. Describe how long dermal filler treatments last.
19. List potential side effects of Botox and dermal fillers.
20. List contraindications for Botox and dermal fillers.

## **OVERVIEW**

### **S1570 or V1570 Botox and Dermal Fillers in Dentistry**

This presentation is an introduction to the use of Botox and dermal fillers. It is intended to provide enough information to allow dentists to identify their interest in using Botox and dermal fillers. It is expected that interested dentists will obtain additional information and continuing education to allow them to gain competence in the indications, contraindications, techniques, materials, and side effects.

The following and other topics are included in the video:

- Introduction
- Patient desire for optimum facial esthetics and facial pain relief
- Identifying acceptable patient candidates for treatment
- Difference between Botox and dermal fillers
- Health practitioner involvement in facial esthetics, botulinum toxin, and dermal fillers
- Physiological effects of botulinum toxin (How does it work?)
- Physiological effects of dermal fillers (How do they work?)
- Most common uses of botulinum toxin
- TMJ/bruxism/facial pain/trigger points
- Smoothing skin
- Gummy smile
- Bruxism control
- Shaping the jawline
- Most common uses of dermal fillers in dentistry
- Improve perioral esthetics with nasolabial fold and lip treatment
- Establishing esthetic lip lines and smile lines as alternatives to Gingivectomy, crown lengthening, or veneers
- Eliminating “black triangles” between teeth
- Lip enhancement
- Volumizing midface for smile makeover
- Angular cheilitis
- Informed consent
- Potential side effects
- Contraindications
- Longevity of botulinum toxin treatments
- Longevity of dermal fillers
- Practice management and payment from benefit plans
- Additional educational resources
- Conclusions

## **SUPPLEMENTAL MATERIALS**

### **S1570 or V1570 Botox and Dermal Fillers in Dentistry**

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5. Carruthers JD, Carruthers JA: Treatment of glabellar frown lines with C. Botulinum A exotoxin, *J Dermatol Surg Oncol* 18:17-21, 1992.
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9. Greco TM, Antunes MB, Yellin SA: Injectable fillers for volume replacement in the aging face, *Facial Plast Surg* 28(1):8-20, 2012. Epub 2012 March 14.
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15. Malcmacher L: FOCUS ON: Myofascial Pain, *Dentistry Today* 32(12):16, December 2013.
16. Malcmacher L: Investing in Injectables, *AGD Impact* 42(9):10-11, September 2014.
17. Aschheim, KW. "Esthetics and Dermatologic Pharmaceuticals." *Esthetic Dentistry, 3<sup>rd</sup> Edition: A Clinical Approach to Techniques and Materials*. Zev Schulhof. Maryland Heights: Elsevier, Inc., 2015. 486-499. Print.

## **POST-TEST**

### **S1570 or V1570 Botox and Dermal Fillers in Dentistry**

1. Wrinkles in the facial skin are caused by:
  - a. shrinkage of the facial muscles.
  - b. over-use of the facial muscles.
  - c. active facial muscles causing the skin to fold.
  - d. none of the above.
2. Dermal fillers:
  - a. cause facial muscles to relax.
  - b. cause facial muscles to contract.
  - c. both a and b above.
  - d. fill areas where muscles have shrunk.
3. Botox, botulinum toxin, treatments last for:
  - a. one month.
  - b. several months.
  - c. one year.
  - d. indefinitely.
4. Dermal filler treatments last for:
  - a. one month.
  - b. a few months.
  - c. somewhat longer than Botox treatments.
  - d. none of the above.
5. Forehead wrinkles are usually treated with:
  - a. dermal fillers.
  - b. Botox.
  - c. both dermal fillers and Botox together.
  - d. exercise.
6. Nasolabial folds are usually treated with:
  - a. dermal fillers.
  - b. Botox.
  - c. both Botox and dermal fillers together.
  - d. exercise.
7. Gummy smile patients are treated with:
  - a. Botox.
  - b. dermal fillers.
  - c. exercise.
  - d. none of the above.

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

**S1570 or V1570 Botox and Dermal Fillers in Dentistry**

8. Botox works by:
- partially killing the muscle, which regenerates later.
  - filling the wrinkle with botulinum toxin.
  - preventing the release of acetylcholine at the motor end plates.
  - causing the muscle to contract filling the muscle.
9. A potential side effect of Botox is:
- shrinkage of the affected muscle.
  - long-term deactivation of the muscle.
  - temporary redness.
  - difficulty breathing.
10. Botox treatments should not be provided for:
- aged persons.
  - men.
  - pregnant women.
  - people taking aspirin.

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