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V1570
Botox and Dermal Fillers in Dentistry

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Gordon J. Christensen, DDS, MSD, PhD

Materials Included:

C.E. Instruction Sheet
Products List
Botulinum Toxin Informed Consent
Dermal Filler Informed Consent
Clinician Responsible
Goals & Objectives
Overview
Supplemental Materials
AGD Post-Test

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PRACTICAL CLINICAL COURSES
Sources of Products Discussed in
V1570 Botox and Dermal Fillers in Dentistry

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

1. **Bacteriostatic 0.9% Sodium Chloride Injection, USP**
Hospira, Inc.
275 North Field Drive
Lake Forest, IL 60045
(224)212-2000
www.hospira.com
2. **Belotero Balance**
Merz North America, Inc.
4133 Courtney Road
Suite 10
Franksville, WI 53126
(866)862-1211
(262)835-3300
www.belotero.com
3. **Botox Cosmetic**
Allergan, Inc.
P.O. Box 19534
Irvine, CA 92623
(800)433-8871
www.botoxcosmetic.com
4. **Dysport**
Galderma Laboratories, L.P.
14501 North Freeway
Fort Worth, TX 76177
(866)735-4137
www.galdermausa.com
5. **Eyebrow Pencil**
Local Stores of Your Choice
6. **Juvéderm Ultra Plus XC**
Allergan, Inc.
P.O. Box 19534
Irvine, CA 92623
(800)433-8871
www.juvederm.com
7. **Lidocaine HCl**
Hospira, Inc.
275 North Field Drive
Lake Forest, IL 60045
(224)212-2000
www.hospira.com
8. **Radiesse**
Merz North America, Inc.
4133 Courtney Road
Suite 10
Franksville, WI 53126
(866)862-1211
(262)835-3300
www.radiesse.com
9. **Restylane**
Galderma Laboratories, L.P.
14501 North Freeway
Fort Worth, TX 76177
(866)735-4137
www.galdermausa.com
10. **STATDDS Sleep and Bruxism Device**
STATDDS
2120 South Green Road
South Euclid, OH 44121
(800)693-9076
www.statdds.com
11. **Syringe (3ml/cc, 22 Gauge, 1")**
Comfortox
2120 South Green Road
South Euclid, OH 44121
(800)693-9076
www.statdds.com
12. **Syringe (0.5cc/ml, 31 Gauge X 8mm)**
Comfortox
2120 South Green Road
South Euclid, OH 44121
(800)693-9076
www.statdds.com
13. **Xeomin**
Merz North America, Inc.
4133 Courtney Road
Suite 10
Franksville, WI 53126
(866)862-1211
(262)835-3300
www.xeomin.com

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

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BOTULINUM TOXIN (BOTOX®/XEOMIN®/DYSPORE®) INFORMED CONSENT

We would like you to have the following information so that you can make an informed decision regarding botulinum toxin treatment and whether this procedure is right for you.

Botulinum toxin type A (BOTOX®/XEOMIN®/DYSPORE®) has been safely used for many years for facial esthetics and facial pain. Wrinkles that can be successfully treated are called *dynamic wrinkles* caused by muscles. These agents will not work to eliminate *static wrinkles* due mainly from loss of facial volume, loose or aging skin. Botulinum toxin can relax the muscles on areas of the face and neck which cause wrinkles associated with facial expressions or facial pain. Treatment with botulinum toxin can cause your facial expression lines or wrinkles to be less noticeable or essentially disappear. Areas most frequently treated are frown lines located between the eyes, crow's feet, forehead wrinkles, lip lines, and head and neck muscle pain. Both tension and migraine headaches have improved following botulinum toxin treatments. Treatment results typically last up to 3 months.

The most common side effects associated with botulinum toxin injections include but are not limited to redness, swelling, infection and bruising. These are all temporary and can be reduced by applying ice briefly to the area. Treatment may also cause an allergic reaction, rash, headache, or an almost imperceptible lowering of the skin above the eyelids. Botulinum toxin may also cause temporary ptosis (drooping) of the eyelid and eyebrows, dry eyes, double vision, or unevenness of an eyebrow. This is almost never permanent and usually resolves completely. In some patients, botulinum toxin may not work as well to relax the muscles quite as long as expected. An enhancement treatment may improve the results.

Botulinum toxin should not be given if you are pregnant, breast feeding, have certain neurological diseases, such as myasthenia gravis, or are allergic to botulinum toxin or human albumin. You should notify your medical practitioner before treatment if you have any of these allergies, conditions or are taking any medications.

As an alternative to botulinum toxin injections, you may consider other temporary or more permanent treatments that are available, such as having facial plastic surgery, facial filler injections, facial implants, or having no treatment at all. No specific promises or guarantees of results can be made for any degree of improvement of your particular condition.

I understand this treatment, like the practice of medicine itself, is not an exact science. Therefore, there can be no refunds given for any treatment rendered, regardless of results.

I CERTIFY THAT I HAVE READ AND UNDERSTAND THIS ENTIRE DOCUMENT AND IT HAS BEEN FULLY EXPLAINED TO ME. I HAVE BEEN GIVEN AN OPPORTUNITY TO ASK QUESTIONS AND THEY HAVE BEEN ANSWERED TO MY SATISFACTION.

Patient Signature: _____ Date: _____

Witness: _____

DERMAL FILLER INFORMED CONSENT

We would like you to have the following information so that you can make an informed decision regarding dermal filler treatment and whether this procedure is right for you.

Dermal fillers such as Juvederm Ultra®, Juvederm Ultra Plus®, Radiesse®, Voluma®, Restylane®, and Perlane® are used for injection into the skin to correct facial lines, wrinkles and folds, lip enhancement and for shaping facial and jaw contours. Depending on the dermal filler used, treatment results may last up to 6 months for Juvederm® and Restylane® products and up to 18 months for Voluma® and Radiesse®. Dermal fillers will not help loose or sagging skin. Depending on my lifestyle and habits, the duration of the dermal fillers effect can be shorter or longer. Enhancement and follow-up treatment helps sustain the desired degree of correction.

The most common side effects associated with dermal fillers include but are not limited to injection related reactions such as bleeding, bruising, infection, swelling, redness, pain, discoloration, acne-like formations and tenderness at the injection site and surrounding tissues. These side effects typically resolve spontaneously within a few days to a week after treatment. These reactions may start immediately, a few days after injection or after two weeks and have been described as mild to moderate and self-limiting.

Dermal fillers should not be given if you are pregnant, breast feeding, or have certain neurological diseases, such as myasthenia gravis. You should notify your medical practitioner before treatment if you have any of these conditions or taking any medications.

As an alternative to dermal filler injections, you may consider other temporary or more permanent treatments that are available, such as having facial plastic surgery, facial filler injections, facial implants, or having no treatment at all. No specific promises or guarantees of results can be made for any degree of improvement of your particular condition.

I understand this treatment, like the practice of medicine itself, is not an exact science. Therefore, there can be no refunds given for any treatment rendered, regardless of results.

I consent to taking pictures before or after the procedure to help document my progress. I authorize the Anew Medspa healthcare professionals to provide my dermal filler treatment.

I CERTIFY THAT I HAVE READ AND UNDERSTAND THIS ENTIRE DOCUMENT AND IT HAS BEEN FULLY EXPLAINED TO ME. I HAVE BEEN GIVEN AN OPPORTUNITY TO ASK QUESTIONS AND THEY HAVE BEEN ANSWERED TO MY SATISFACTION.

Patient Signature: _____

DATE: _____

Witness: _____

PROGRAM

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

V1570 Botox and Dermal Fillers in Dentistry

This presentation is an introduction to 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

V1570 Botox and Dermal Fillers in Dentistry

1. ADA definition of dentistry, Adopted, American Dental Association House of Delegates, 1997.
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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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7. Kontis TC, Rivkin A: The history of injectable facial fillers, *Facial Plast Surg* 25(2):67-72, 2009. Epub 2009 May.
8. Eppley BL, Dadvand B: Injectable soft-tissue fillers: clinical overview, *Plast Reconstr Surg* 118(4):98e- 106e, 2006.
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.
10. Park TH, Seo SW, Kim JK, Chang CH: Clinical experience with hyaluronic acid-filler complications. *J Plast Reconstr Aesthet Surg* 64(7):892-896, 2011. Epub February 9, 2011.
11. Malcmacher L: A Cure-all? The Therapeutic Benefits of Botulinum Toxin Injections, *AGD Impact* 41(1):12-13, January 2013.
12. Malcmacher L: Total Dental Aesthetics, *Dentistry Today* 32(11):134-137, November 2013.
13. Malcmacher L: Why Are You Prescribing Bruxism Appliances? *Dentistry Today* 33(9):126-129, September 2014.
14. Malcmacher L: Feeling Good and Looking Great, *AGD Impact* 41(6):14-15, June 2013.
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, 3rd Edition: A Clinical Approach to Techniques and Materials*. Zev Schulhof. Maryland Heights: Elsevier, Inc., 2015. 486-499. Print.

POST-TEST

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 shrunken.

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)

V1570 Botox and Dermal Fillers in Dentistry

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

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