OBJECTIVES:

- Understand the pharmacology and pharmacokinetics of neuromodulators (Clostridium Botulinum Toxin)
- Review craniofacial anatomy, danger zones and application of this knowledge to facial aesthetics and treatments
- Learn about facial aesthetics and dynamic assessment of the face
- Photography of the face
- Forms for documentation, informed consent, post-operative care
- Learn about drug handling and reconstitution
- Learn injection armamentarium, protocols and technique
- Learn about complications, adverse reactions and their management
- Clostridium Botulinum Toxin in the management of chronic bruxism
- Learn about other uses of Clostridium Botulinum Toxin in the craniofacial complex
- Perform patient assessment and injections on 5-6 patients
- Learn about post-operative care and follow up documentation

ADDITIONAL NOTES:

1. Camera – SLR type of camera is preferable, but compact cameras and cell-phone cameras can be used. **Cell-phone users are advised to ensure the phone is secure and photo-sharing services are turned off to comply with HIPAA regulations.**
2. Please inform UNLV in advance if you need UNLV to provide patients.
3. Include at least one patient with chronic bruxism to perform masseter muscle injections.
4. Patients must be available for post-operative follow-up.
5. **Be aware of contraindications so as not to bring a patient that is not a candidate for neuromodulator treatment. The contraindications are found on the next page.**
**SCHEDULE**

**Day 1:**

8:00-9:30 am  Introduction, Regulatory, Forms, Pharmacology, Contraindications, Drug Interactions

9:30-9:45 am  **Coffee Break**

9:45-11:15 am  Photography, Facial Assessment

11:15-12:15 pm  Craniofacial Anatomy

12:15-1:00 pm  **Lunch**

1:00-2:30 pm  Clostridium Botulinum Toxin in the Management of Bruxism

2:30-2:45 pm  **Coffee Break**

2:45-3:45 pm  Clostridium Botulinum Toxin in Other Craniofacial Applications

3:45-5:00 pm  Anatomy Workshop and Applied Anatomy, Injection Technique

**Day 2:**

8:00-9:00 am  Drug Handling and Reconstitution (Class Room)

9:00-10:00 am  Facial Marking on each other (Clinic)

10:00-10:15 am  **Coffee Break (Class Room)**

10:15-Noon  Patient Treatment, 1 or 2 patients (Clinic)

**Noon- 1:00 pm**  **Lunch (Class Room)**

1:00-1:30 pm  Examination

1:30-5:00 pm  Patient Treatment, 3-4 patients (Clinic)

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**The contraindications are as follows:**

- **MEDICAL:** History of prior allergic reaction, areas of infection or inflammation, diseases of the neuromuscular junction (e.g., myasthenia gravis), Lou Gehrig's Disease, Disorder of the Peripheral Nerves that Cause Movement, Myasthenia Gravis, Progressive Muscle Weakness with Carcinoma, Condition Where One Object Appears as Two or More Object, Double Vision, Blurred Vision, Food Poisoning due to improperly canned or preserved food, Drooping of the Upper Eyelid, Infection of Lung from Inhaling Stomach Contents, Significant Decrease in Lung Function, Voice Disorder, Hoarseness, Difficulty Speaking, Trouble Breathing, Difficulty Swallowing

- **DRUG INTERACTION WITH:** aminoglycosides, penicillamine, quinine, and calcium channel blockers

- **PREGNANCY AND LACTATION:** Delay of injections is recommended until pregnancy is complete and breastfeeding has ended

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All participants must provide proof of valid NV license and current malpractice insurance prior to course start. Email or fax to UNLVdentalCE@unlv.edu or 702-774-2820.

**REFUND/CANCELLATION POLICY** – You may register up to the date of the course if there is space available. We reserve the right to cancel courses 30 days or more in advance of the scheduled course date. We recommend that you delay reserving air flights and hotel rooms until this deadline passes, as expenditures for this purpose are not reimbursed. Any course cancelled by the school will result in a return of course registration fees or fees may be credited to future courses. If you cancel at least 30 days prior to the course date, your total course fees will be returned. If you cancel within 30 days, but more than 2 weeks prior to the course date, a 20% administrative fee will be assessed. Any fees paid by check will be reimbursed by check and may require four to six weeks. Credit card payments will be credited to the card used for course registration. If you cancel within 2 weeks of the course date you will not receive a refund, but you will receive a credit for a future course. All credits must be used within one year from original program date.

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