

# Postgraduate Certificate

## Advanced Techniques

### Botulinum Toxin Injection





## Postgraduate Certificate Advanced Techniques Botulinum Toxin Injection

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/in/medicine/postgraduate-certificate/advanced-techniques-botulinum-toxin-injection](http://www.techtute.com/in/medicine/postgraduate-certificate/advanced-techniques-botulinum-toxin-injection)

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# 01

# Introduction

Aesthetic Medicine is one of the areas of health that has grown the most in consultations and popularity worldwide. Thus, the demand for non-invasive aesthetic treatments, particularly those related to the application of Botulinum Toxin, is increasing, so professionals require a constant and quality update. Therefore, this program is designed to provide cutting-edge knowledge in the use of this substance, with emphasis on the most frequent indications in Aesthetic Medicine, such as the treatment of expression wrinkles or bruxism. The course is developed in a 100% online format, which allows greater flexibility for the physician, and uses the Relearning methodology, which guarantees a more efficient up-to-date update.





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*Thanks to this program, you will get an updated and rigorous training in the use of Botulinum Toxin, to offer quality treatments and obtain a higher satisfaction of your patients"*



Aesthetic Medicine is in constant evolution and Botulinum Toxin treatments are no exception. Increasingly, more and more people are seeking aesthetic treatments to improve their image and self-esteem, and this has generated a greater demand for highly trained and updated professionals in this field. Updating and specialization in this field is vital to offer patients the best results in non-invasive aesthetic treatments, such as the treatment of hyperhidrosis and the gummy smile, among others.

Aware that a physician updated in the advanced techniques of Botulinum Toxin injection will be able to offer his patients a more specialized care, with more precise and safer treatments, TECH has designed this degree. Therefore, the Postgraduate Certificate in Advanced Botulinum Toxin Injection Techniques is the perfect solution for those professionals who are looking to update their knowledge in this expanding field. Throughout the program, the specialist will have access to a rigorous and updated training in the advanced techniques of Botulinum Toxin injection, with a focus on the most frequent indications in Aesthetic Medicine.

The program is taught in a 100% online format, which allows the graduate to access the contents and classes from any place and at any time, ensuring greater flexibility for learning and making it possible for them to reconcile work and family life. To facilitate even more the process of integration of concepts, the methodology used, Relearning, focuses on learning based on problem solving and on the student's autonomous work, which guarantees a more effective and lasting training for greater patient satisfaction and a stronger reputation.

This **Postgraduate Certificate in Advanced Techniques Botulinum Toxin Injection** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ◆ The development of practical cases presented by experts in Advanced Aesthetic Medicine
- ◆ The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- ◆ Practical exercises where self-assessment can be used to improve learning
- ◆ Its special emphasis on innovative methodologies
- ◆ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- ◆ Content that is accessible from any fixed or portable device with an Internet connection



*Discover the flexibility of this 100% online format and combine your up-to-date training with the rest of your personal and professional aspects, without giving up anything"*

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*Update your knowledge in the most advanced techniques of botulinum toxin injection and become an expert in the field of aesthetic medicine"*

The program's teaching staff includes professionals from sector who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

Its multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide an immersive education programmed to learn in real situations.

The design of this program focuses on Problem-Based Learning, by means of which the professional must try to solve the different professional practice situations that are presented throughout the academic course. For this purpose, the student will be assisted by an innovative interactive video system created by renowned experts.

*All the audiovisual resources will be available in the virtual campus, which you will be able to access without time restrictions.*

*With access to a library full of first-rate content that can be downloaded and consulted whenever and wherever you need it.*



# 02

## Objectives

The main objective of the Postgraduate Certificate in Advanced Botulinum Toxin Injection Techniques is to provide physicians with updated and rigorous training in the use of Botulinum Toxin. Through this course, specialists will be able to deepen in the most frequent indications of Botulinum Toxin in Aesthetic Medicine and develop advanced skills in the injection technique of this solution. Thus, they will be able to perfect their knowledge in reconstitution and conservation of injectables, as well as to recommendations after its application.







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*TECH is all about you: give your career the boost it needs and specialize in the urban water sector"*



## General Objectives

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- ◆ Update the professional's knowledge in order to be a Aesthetic Medicine expert on the best and newest treatments and to know how to apply them in an adequate and individualized way for each patient
- ◆ Influence the establishment of the most innovative guidelines for an exquisite doctor-patient relationship
- ◆ Get updated on the most important advices regarding risk prevention, complications and emergency situations
- ◆ Learn about the latest developments in Aesthetic Medicine, its treatments and techniques in a way that is not purely theoretical, but through dynamic and practical material



*You will achieve your goals thanks to our tools, and you will be accompanied along the way by leading professionals"*





## Specific Objectives

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- ◆ Update the physician's knowledge in relation to Botulinum Toxin
- ◆ Update in the treatment of the upper third, that is to say, the most demanded treatment in the Aesthetic Medicine office: wrinkles
- ◆ Deepen in other advanced techniques: gummy smile correction and treatment of bruxism
- ◆ Keep in mind the most frequent adverse effects and know how to deal with them
- ◆ Be updated on the trade names of botulinum toxins type A
- ◆ Learn how to reconstitute the toxin and how to preserve it based on current methods
- ◆ Know in depth the most innovative post-treatment recommendations to indicate them to each patient



# 03

# Course Management

The teaching team that has designed this exclusive TECH degree is made up of experts in Esthetic Medicine and has extensive experience in the use of Botulinum Toxin and other advanced facial rejuvenation techniques. Thus, they bring to this first-class training years of experience for the benefit of the graduate. For this purpose, these professionals have designed the program's syllabus with an avant-garde theoretical-practical approach, which allows the physician to update and apply the knowledge acquired immediately in his daily practice.



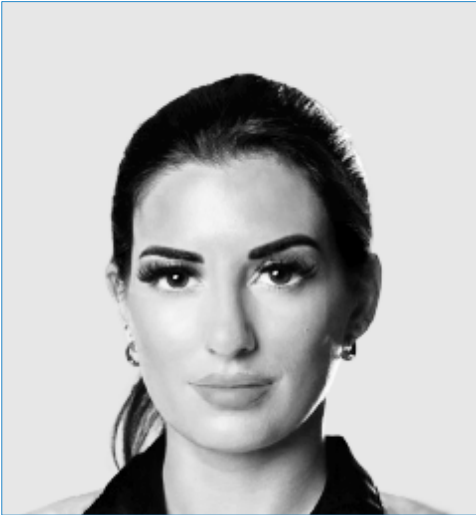


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*Achieve optimal results and improve your performance thanks to a curriculum developed by industry experts”*



## Management



### Dr. Ruiz Allende, Alba María

- ♦ Medical Director of Aesthetic Medicine of the Clínica Londres Group
- ♦ Director of the Department of Aesthetic Medicine in the IMEMA Clinic
- ♦ Aesthetic medicine workshops trainer
- ♦ University professor at the CEU and UCAM
- ♦ Professor of MIR preparation at CTO
- ♦ Clinical researcher and editor of the magazine Emergency Live
- ♦ Residency in the specialty of Family, Community and Emergency Medicine at the Hospital Clínico San Carlos
- ♦ Master in Aesthetic Medicine and Nutrition at the Catholic University San Antonio of Murcia
- ♦ Master's Degree in Business Management from the Catholic University San Antonio of Murcia
- ♦ Master's Degree in Clinical Bioethics from UIMP



## Professors

### Dr. Leone, Antonio

- ◆ Aesthetic Physician and Capillary Surgeon
- ◆ Specialist in Clinical Pharmacology at the Clinical Hospital San Carlos. Madrid
- ◆ Specialist in Advanced Aesthetic Medicine and Hair Surgery
- ◆ Teacher in the Master's Degree in Ethics at the Complutense University of Madrid
- ◆ Practical teacher in the Department of Pharmacology of the Faculty of Medicine at the Complutense University of Madrid
- ◆ Tutor in the International Master's Degree in Hair Transplant with FUE technique at the Universidad Católica San Antonio de Murcia (UCAM)
- ◆ Rotation at the Spanish Agency of Medicines and Health Products
- ◆ Master's Degree in Clinical Medicine from the Camilo José Cela University
- ◆ Master's Degree in Aesthetic Medicine, Universidad Rey Juan Carlos, Madrid
- ◆ International Master's Degree in Hair Transplant with FUE technique at the Universidad Católica San Antonio de Murcia (UCAM)
- ◆ Expert in Clinical Toxicology from the University of Barcelona

### Dr. Valenzuela Luque, Alejandro

- ◆ Specialist in Family and Community Medicine
- ◆ Degree in Medicine from the Faculty of Medicine and Nursing of Cordoba
- ◆ Specialist in Family and Community Medicine at the Ramón y Cajal Hospital
- ◆ Master's Degree in Esthetic Medicine human nutrition and AntiAging

# 04

## Structure and Content

This program has an updated and rigorous curriculum designed to provide physicians with advanced and effective training in the use of Botulinum Toxin. Through the exhaustive syllabus, they will be able to get up-to-date from the most frequent indications for its use in Esthetic Medicine, to the most advanced and effective techniques to obtain optimal results. In addition, the program includes the treatment of pathologies such as bruxism, hyperhidrosis and gummy smile, which broadens the specialists' field of action. All of this in an online format and with the most effective methodology, Relearning.





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*Deepen your knowledge of the most innovative and effective techniques in the use of Botulinum Toxin and expand your professional field of action with this complete syllabus"*



## Module 1. Advanced Techniques of Botulinum Toxin Injection

- 1.1. Botulinum Toxins Authorized for Esthetic Use
  - 1.1.1. What is Botulinum Toxin
  - 1.1.2. Mechanism of Action
  - 1.1.3. Trade Names of Botulinum Toxins Type A
  - 1.1.4. Toxins Authorized for Esthetic Use
  - 1.1.5. Toxins authorized for other medical conditions
- 1.2. Most frequent indications of Botulinum Toxin in Aesthetic Medicine: treatment of expression wrinkles
  - 1.2.1. Indications for Treatment on Forehead Wrinkles
  - 1.2.2. Indications for wrinkles treatment of the frown line/glabella
  - 1.2.3. Indications for treatment of periocular wrinkles
- 1.3. Others Indications for Botulinum Toxin in Esthetic Medicine
  - 1.3.1. Indications for treatment of eyebrows/eyebrow lifting
  - 1.3.2. Indications for treatment of the suborbital region and nose (bunny lines)
  - 1.3.3. Indications Treatment of Vertical Upper Lip Wrinkles code of)
  - 1.3.4. Indications for treatment of the corners of the mouth/marionette lines
  - 1.3.5. Indications for the treatment of chin wrinkles
  - 1.3.6. Indications for treatment of neck wrinkles (platysma muscle)
- 1.4. Bruxism: masseter hypertrophy
  - 1.4.1. What is Bruxism
  - 1.4.2. Treatment of Bruxism with Botulinum Toxin. Technique
  - 1.4.3. Results and Duration
- 1.5. Treatment of Hyperhidrosis with Botulinum Toxin
  - 1.5.1. What is Hyperhidrosis
  - 1.5.2. Types of hyperhidrosis: axillary, palmar and plantar
  - 1.5.3. Treatments currently available for Hyperhidrosis
  - 1.5.4. Botulinum Toxin in Hyperhidrosis. Infiltrative Technique
  - 1.5.5. Results and Duration of Botulinum Toxin in Hyperhidrosis







- 1.6. Treatment of Gingival Smile with Botulinum Toxin
  - 1.6.1. What is the Gingival Smile
  - 1.6.2. Treatments currently available for Gingival Smile
  - 1.6.3. Botulinum Toxin in Gingival Smile. Infiltrative Technique
  - 1.6.4. Results and Duration of Botulinum Toxin in Gingival Smile
- 1.7. Complications from Botulinum Toxin Application
  - 1.7.1. What are the most frequent unwanted effects of Botulinum Toxin?
  - 1.7.2. Most frequent side effects when Botulinum Toxin is applied in the upper third (eyelid ptosis, Mephisto eyebrows, smile affectation)
  - 1.7.3. What solutions are available to reverse the undesired effect (electrostimulation)?
  - 1.7.4. How to try to prevent these undesired effects
- 1.8. Toxin reconstitution (preparation) and preservation of toxin
  - 1.8.1. Do all toxins require refrigeration?
  - 1.8.2. Do all toxins need to be reconstituted?
  - 1.8.3. Toxin dilution according to the treatment to be performed
- 1.9. Post-Treatment Recommendations
  - 1.9.1. General recommendations to our patients after Botulinum Toxin treatment
  - 1.9.2. Botulinum toxin and heat
  - 1.9.3. Botulinum Toxin and Physical Exercise
- 1.10. Durability of Botulinum Toxin
  - 1.10.1. All toxins (brands) have the same effect and duration
  - 1.10.2. Factors Influencing the duration of Botulinum Toxin
  - 1.10.3. Patients resistant to toxin treatment. Antibody theory



*Enhance your medical practice with the most updated syllabus on the market"*

05

# Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning**.

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.



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*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*



## At TECH we use the Case Method

What should a professional do in a given situation? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

*With TECH you will experience a way of learning that is shaking the foundations of traditional universities around the world.*



According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, trying to recreate the real conditions in the physician's professional practice.

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*Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method”*

The effectiveness of the method is justified by four fundamental achievements:

1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that evaluate real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.





## Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

This university is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, a real revolution with respect to the mere study and analysis of cases.

*Professionals will learn through real cases and by resolving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.*



At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology, more than 250,000 physicians have been trained with unprecedented success in all clinical specialties regardless of surgical load. Our pedagogical methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

*Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.*

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by TECH's learning system is 8.01, according to the highest international standards.



This program offers the best educational material, prepared with professionals in mind:



#### Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



#### Surgical Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many times as you like.



#### Interactive Summaries

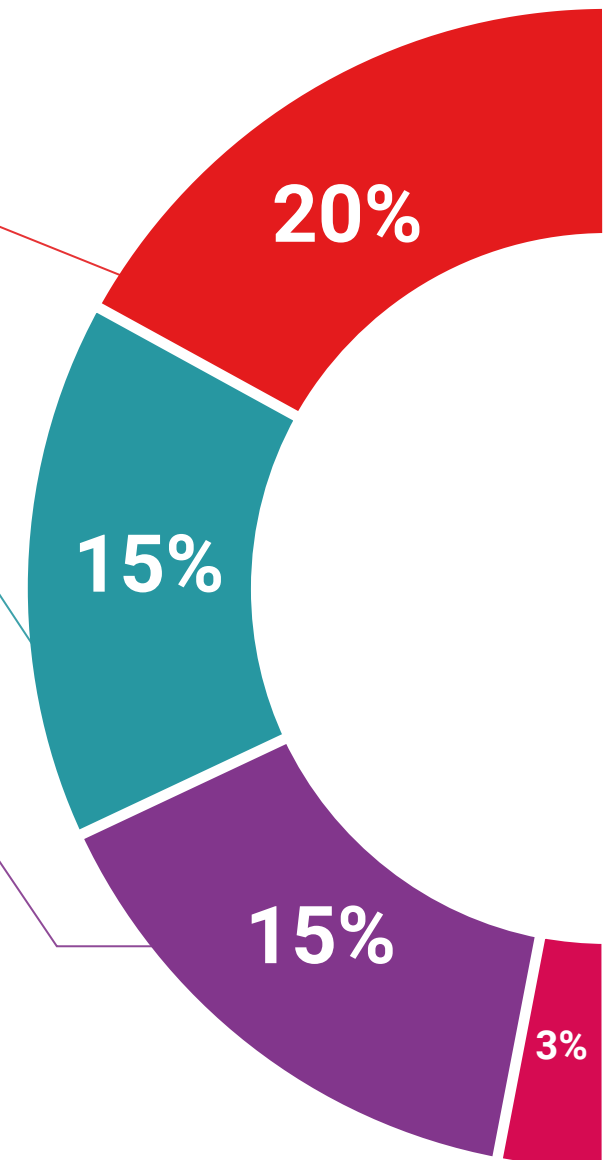
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

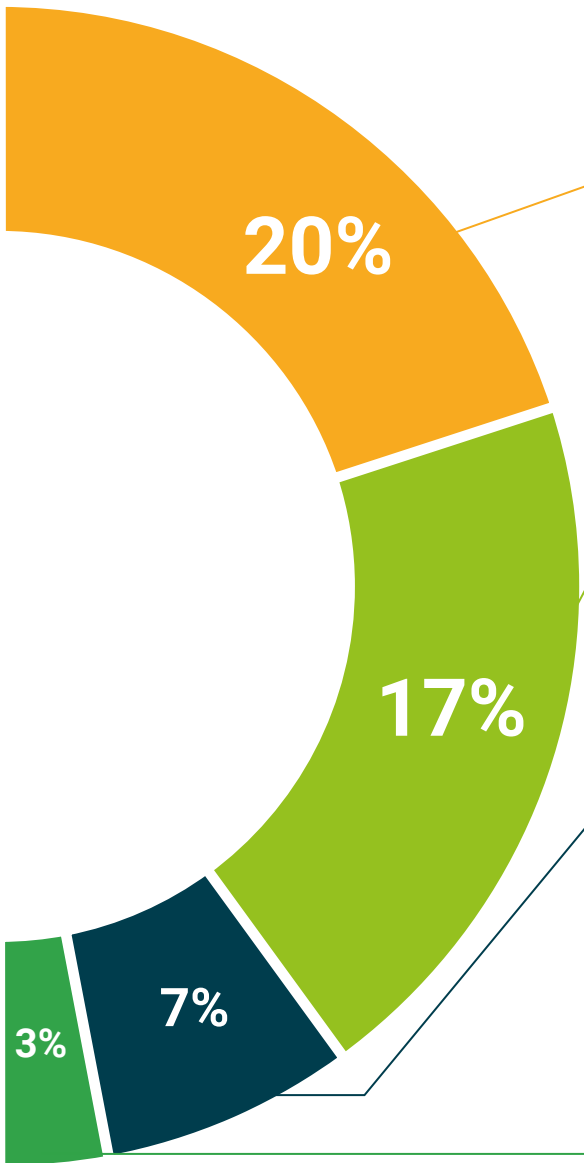
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



#### Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





#### Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



#### Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



#### Classes

There is scientific evidence on the usefulness of learning by observing experts. The system known as Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



#### Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.





# 06 Certificate

The Postgraduate Certificate in Advanced Techniques Botulinum Toxin Injection guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.





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*Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork”*

This **Postgraduate Certificate in Advanced Techniques Bolutium Toxin Injection** contains the most complete and up-to-date scientific program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Certificate** issued by **TECH Technological University** via tracked delivery\*.

The certificate issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Certificate ,and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Certificate in Advanced Techniques Botulinum Toxin Injection**  
Official N° of Hours: **150 h.**



\*Apostille Convention. In the event that the student wishes to have their paper certificate issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.



## Postgraduate Certificate

Advanced Techniques

Botulinum Toxin Injection

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## Advanced Techniques

### Botulinum Toxin Injection

