



Guide for
Facial Esthetic Therapies
and Adjunctive Procedures

2016

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Introduction

The Guide for Facial Esthetic Therapies and Adjunctive Procedures is designed to ensure Alberta dentists are provided with the educational requirements and the core competency profiles for prescription and administration of Schedule 1 drugs such as neuromodulators (e.g. Botulinum Toxin Type A), dermal fillers, other agents (injected and/or topical) and adjunctive non-surgical and/or surgical therapies used to provide comprehensive therapeutic and esthetic oral and maxillofacial treatment for the restoration of a patient's appearance in form and function or to enhance their appearance, or both.

It is the dentist's responsibility to ensure that any education or training program undertaken in preparation for prescribing or administering any Schedule 1 drug (or to provide any related adjunctive esthetic or therapeutic procedures) must provide them with the knowledge and skills to administer these drugs or provide the therapies as indicated in the College of Dental Surgeons of Alberta Standard of Practice: Facial Esthetic Therapies and Adjunctive Procedures.

The College of Dental Surgeons of Alberta will issue a certificate for the competency level achieved for dentists providing the levels of treatment described in the Standard of Practice: Facial Esthetic Therapies and Adjunctive Procedures.

For the purposes of standardized education and treatment experience, the administration of neuromodulators, dermal fillers, and other esthetic agents, including esthetic and therapeutic procedures, has been divided into six structured and gated levels. The College of Dental Surgeons of Alberta will maintain a list of approved programs at each level.

Dentists are advised that the core competencies and treatment levels contained herein are not all encompassing. In particular, bruxism and myofascial pain and dysfunction are complex and distinctly different diagnoses that may require multiple treatment levels that include but are not limited to neuromodulators. Therefore, it is the dentist's responsibility to ensure that they possess the appropriate core competencies and training to establish a definitive diagnosis and recommend or provide appropriate and comprehensive care.

Dentists must also realize that facial esthetic therapies and adjunctive procedures are constantly changing and dynamic in their application. The dentist is cautioned that new and emerging therapies may not be described or contained within the Standard or Guide. Thus, dentists are required to consult with the College of Dental Surgeons of Alberta before administering any such new or emerging therapies or adjunctive procedure for both esthetic and non-esthetic therapies.

Dentists wishing to provide these services are required to apply to the College of Dental Surgeons of Alberta for each individual level of treatment.

Oral and Maxillofacial Surgeons may provide any procedures contained herein, so long as their training encompassed said procedures.

Regardless of certificates issued by educational program providers, dentists must be in possession of the appropriate College of Dental Surgeons of Alberta certificate before providing these levels of treatment to their patients.

Core Competencies by Training Level

Level 1: Applied Anatomy Review and Introduction to Neuromodulators

Level 1 educational programs do not permit a dentist to administer neuromodulators, dermal fillers, or other esthetic pharmaceutical agents or adjunctive therapies for patient treatment.

This mandatory review will refresh and strengthen the dentist's knowledge of head and neck anatomy, its relevancy to the administration and pharmacology of neuromodulators (e.g. Botulinum Toxin Type A) and to other esthetic and non-esthetic therapies and procedures.

The education format must include a minimum of a 4-hour anatomical and functional hands-on cadaver laboratory and an 8-hour didactic educational program. The didactic portion of this level may be met by either an online or lecture format outlining the functional anatomy of both the head and neck.

Successful completion of a Level 1 educational program requires the understanding and application of the following core competencies:

- Head, neck, and temporomandibular joint applied anatomy, masticatory, neck and facial muscles, nerves, skin, etc. including the neurophysiology, musculature and circulatory systems;
- Facial skeletal anatomical considerations and review of aging of the face;
- Patient assessment, consultation, documentation, and continuing care for use of neuromodulators;
- Patient evaluation for optimal esthetic and therapeutic outcomes;
- Integrating neuromodulators into dental and maxillofacial treatment plans;
- Indications and contraindications for extra-oral soft tissue esthetics;
- Safety and risk issues for neuromodulator therapy (such as Botulinum Toxin Type A);
- Management and treatment of possible complications; and
- Assessing patients for signs of body dysmorphic disorder or other relevant psychiatric conditions, recognizing when not to treat, and when to refer to an appropriate health care professional for counseling.

Successful completion of an approved Level 1 program is a prerequisite to take an approved Level 2 education program.

A dentist may take an approved Level 1 educational program with no application or notification required. Upon successful completion of the Level 1 educational program, a dentist must submit a letter of confirmation and/or certificate of completion to the College of Dental Surgeons of Alberta. Upon receipt of this documentation, the College of Dental Surgeons of Alberta will issue a Level 1 certificate authorizing the dentist to progress to an approved Level 2 educational program. In the event that a dentist wishes to take a Level 2 education program immediately following a Level 1 education program, the dentist may submit the application for a Level 2 Certificate along with the Level 1 and Level 2 educational credentials from the same approved educational provider simultaneously.

Level 2: Basic Neuromodulators: Upper Face and Bruxism Treatment

In the event that a dentist wishes to take a Level 2 program immediately following a Level 1 program, the dentist may submit the application for a Level 2 Certificate along with the Level 1 and Level 2 educational credentials from the same approved educational provider.

The curriculum for Level 2 education in neuromodulator clinical procedures for upper face and bruxism treatment includes specific instructions with demonstrated proficiency in didactic knowledge and live patient hands-on treatment. Live patient hands-on instruction includes demonstration and clinical treatment in the oral and maxillofacial areas on a model patient and must meet participation course guidelines. Practitioners must demonstrate competency in the safety aspects of facial esthetics pharmaceuticals use prior to using these pharmaceuticals on patients.

Level 2 education must include a minimum of at least 8 didactic hours and at least 8 hours involving direct participation in live treatment on a minimum of 6 patients. Clinical observation of treatment being rendered by others is insufficient for the requirements of this Standard.

In addition to all Level 1 core competencies, successful completion of a Level 2 educational program requires the understanding and application of the following enhanced core competencies:

- **Patient Assessment and Evaluation**
 - Diagnosis, documentation, treatment planning and proper dosing and delivery of neuromodulator treatment for both upper face and bruxism treatment;
 - Indications for other treatment;
 - Indications and contraindications for these techniques and pharmaceuticals;
 - Medical history taking as it relates to injected facial pharmaceuticals;
 - Practical patient evaluation for maxillofacial esthetic and therapeutic outcomes;
 - Pharmacology of injected oral and maxillofacial pharmaceutical treatment;
 - Etiology and types of bruxism, anatomic considerations in bruxism; and
 - Accepted treatment techniques including mapping of anatomical muscle sites, muscle depths, proper preparation and dilution for oral and maxillofacial esthetic and therapeutic outcomes.
- **Safety and Risk Issues**
 - Proper sterile technique as it relates to the use of injected pharmacologic agents and patient treatment;
 - Safety and risk issues for injected neuromodulator therapy;
 - Knowledge of adverse reactions and how to avoid adverse reactions; and
 - Management and treatment of adverse reactions including ptosis, vascular occlusion, and injection related complications.
- **Treatment Planning and Delivery**
 - Integrating neuromodulators into dental therapeutic and esthetic treatment plans;
 - Upper facial treatment procedures for therapeutic and esthetic maxillofacial outcomes;
 - Continued assessment of treatment and therapeutic outcomes and standardized patient photography;
 - Integrating neuromodulators with other treatments and therapies for the treatment of bruxism;
 - Precise delivery of injected facial pharmaceuticals; and
 - Limitations of Level 2 treatments and recognizing need for higher level treatments and

referral to qualified health care professionals.

- **Practice Management**

- Provide customizable office forms and informed consent needed to begin treating patients;
- Malpractice and jurisprudence issues;
- Ethics in oral and maxillofacial esthetic procedures;
- Understanding of team training in facial esthetics;
- Patient education in facial esthetics in dentistry;
- Record keeping and facial photographic documentation; and
- Informed consent procedures for facial esthetics treatment.

A Level 2 certificate can only be issued after successful completion of a documented examination process. The dentist must submit a letter of confirmation and/or certificate of completion to the College of Dental Surgeons of Alberta. Upon receipt of this documentation, the College of Dental Surgeons of Alberta will issue a Level 2 certificate authorizing the dentist to provide Level 2 treatment to their patients. A certificate must be granted by the College of Dental Surgeons of Alberta and in the dentist's possession before providing Level 2 treatment to the dentist's own patients.

The dentist will need to demonstrate proficiency in Level 2 treatment for a minimum of one-year before progressing to the next level.

The dentist may, after the minimum one-year period, submit an application to proceed to Level 3 training. The dentist must have at least 20 documented treatments on different patients, including pre- and post-treatment photographs, during the minimum one-year period of providing Level 2 treatments to demonstrate substantial experience and competency within the level. Multiple treatments on the same patient do not count towards the 20-patient minimum.

This application must be approved by the College of Dental Surgeons of Alberta **before** commencing Level 3 training.

Level 3: Advanced Neuromodulators: Mid-Face and Lower Face/Neck Regions and Myofascial Pain and Dysfunction Treatment

A dentist wishing to take an approved Level 3 educational program must submit an application to the College of Dental Surgeons of Alberta **before** commencing Level 3 training.

This level of education represents an advanced level of clinical competency in safety and clinical use of injected facial pharmaceuticals in oral and maxillofacial esthetics and therapeutics. The curriculum for Level 3 education in neuromodulator clinical procedures for mid-face and lower face and neck regions and for myofascial pain and dysfunction includes specific instructions with demonstrated proficiency in didactic knowledge and live patient hands-on treatment. Live patient hands-on instruction includes demonstration and clinical treatment in the oral and maxillofacial areas on a model patient and must meet participation course guidelines. Practitioners must demonstrate competency in the safety aspects of facial esthetics pharmaceuticals use prior to using these pharmaceuticals on patients. These are the core competencies that define the Standard of Practice.

Level 3 education must include a minimum of at least 8 didactic hours and at least 8 hours involving direct participation in live treatment on a minimum of 6 patients. Clinical observation of treatment being rendered by others is insufficient for the requirements of this Standard.

In addition to all Level 1 and 2 core competencies, successful completion of a Level 3 educational program requires the understanding and application of the following enhanced core competencies:

- **Patient Assessment and Evaluation**

- Diagnosis, documentation, treatment planning and proper dosing and delivery of neuromodulator treatment for mid-face and lower Face/Neck Regions and Myofascial Pain and Dysfunction Treatment;
- Indications for other treatment;
- Advanced applied anatomy of the oral and maxillofacial, lower face and anterior and posterior neck, including cranial base, and related structures;
- Advanced education in injected facial pharmaceuticals;
- Understanding of the latest neuromodulator pharmaceuticals and introduction to dermal fillers and how the two injected levels work in tandem (note: Level 4 is required to use dermal fillers);
- Comprehensive and definitive diagnosis of myofascial pain and dysfunction;
- Understanding of the precise skeletal and muscle anatomy involved in maxillary gingival excess;
- Treating maxillary gingival excess (gummy smiles) with neuromodulators as an alternative treatment to surgical dental procedures;
- Trigger point therapy for myofascial pain and dysfunction cases;
- Advanced upper and mid-face procedures for esthetic and therapeutic maxillofacial and neck treatment;
- Ability to test and treat hyperactive lower face muscles for dental/facial esthetics, orthodontic retention and removable prosthodontics retention with neuromodulators;
- Advanced indications and contraindications of facial esthetics and therapeutics use in dentistry;
- Neuromodulator therapeutic treatments for chronic migraine and facial pain; and Alternative methods of treatment through differential diagnosis and offering patients all available options for oral and maxillofacial esthetics and therapeutics, including

referrals to other qualified health care professionals.

- **Treatment Planning and Delivery**

- Avoidance and management of complications;
- Neuromodulator therapeutic treatment of myofascial pain and dysfunction, facial pain, bruxism cases, hypertrophic masticatory musculature, etc.;
- Integrating neuromodulators into a comprehensive treatment plan for treating definitively diagnosed myofascial pain;
- Continued assessment of treatment and therapeutic outcomes and standardized patient photography; and
- Limitations of Level 3 treatments and recognizing need for higher level treatments and referral to qualified health care professionals.

- **Advanced Practice Management**

- Understanding of advanced team training in facial esthetics; and
- Enhanced informed consent procedures for facial esthetics treatment.

A Level 3 certificate can only be obtained with successful completion of a documented examination process. A dentist must submit a letter of confirmation and/or certificate of completion as well as maintaining, for their personal records, a listing of the patient identifiers of their 20 different patient treatments at Level 2 cases and start/end dates for the treatment. Upon receipt of this documentation, the College of Dental Surgeons of Alberta will issue a Level 3 certificate authorizing the dentist to provide Level 3 treatment to their patients. A certificate must be granted by the College of Dental Surgeons of Alberta and in the dentist's possession before providing Level 3 treatment to the dentist's own patients.

The dentist will need to demonstrate proficiency in Level 3 treatment for a minimum of one-year before progressing to the next level.

The dentist may, after the minimum one-year period, submit an application to proceed to the Level 4a and/or 4N training. The dentist must have at least 20 documented treatments on different patients, including pre- and post-treatment photographs, during the minimum one-year period of providing Level 3 treatment to demonstrate substantial experience and competency within the level. Multiple treatments on the same patient do not count towards the 20-patient minimum.

This application must be approved by the College of Dental Surgeons of Alberta **before** commencing Level 4a and/or 4N training.

Level 4:

- 4a - Dermal Fillers: Basic Facial Dermal Fillers**
- 4b - Dermal Fillers: Advanced Facial Dermal Fillers**
- 4N - Neuromodulators for Deep Muscles of Mastication**

A dentist wishing to take an approved Level 4 educational program must submit an application to the College of Dental Surgeons of Alberta **before** commencing Level 4a or 4N training. A dentist may choose to take a Level 4a or 4N course, or both.

The dentist may, after the minimum one-year period, submit an application to proceed to the Level 4b training. The dentist must have at least 20 documented treatments on different patients, including pre and post-treatment photographs, during the minimum one-year period of providing Level 4a treatment to demonstrate substantial experience and competency within the level. Multiple treatments on the same patient do not count towards the 20-patient minimum.

These education levels will introduce the dentist to:

- 4a - Basic Facial Dermal Fillers
- 4b - Advanced Facial Dermal Fillers
- 4N - Neuromodulator treatment for deep muscles of mastication

These levels of education represent an advanced level of clinical competency in safety and clinical use of injected facial pharmaceuticals in oral and maxillofacial esthetics and therapeutics. The curriculum for Level 4 education in facial dermal fillers and neuromodulators for deep muscles of mastication includes specific instructions with demonstrated proficiency in didactic knowledge and live patient hands-on treatment. Live patient hands-on instruction includes demonstration and clinical treatment in the oral and maxillofacial areas on a model patient and must meet participation course guidelines. Practitioners must demonstrate competency in the safety aspects of facial esthetics pharmaceuticals use prior to using these pharmaceuticals on patients. These are the core competencies that define the Standard of Practice.

Each Level 4 educational level must include a minimum of at least 8 didactic hours and at least 8 hours involving direct participation in live treatment on a minimum of 6 patients. Clinical observation of treatment being rendered by others is insufficient for the requirements of this Standard.

In addition to all Level 1, 2 and 3 core competencies, successful completion of a Level 4 educational program requires the understanding and application of the following enhanced core competencies:

Level 4a core competencies:

- **Patient Assessment and Evaluation**
 - Diagnosis, documentation, treatment planning and proper dosing and delivery of dermal fillers;
 - Indications for other treatment;
 - Advanced oral and maxillofacial anatomy and injected facial pharmaceuticals (hands-on review of peri-oral facial anatomy and skin is recommended);
 - Advanced facial skeletal anatomical considerations, review of aging of the face; and
 - Comprehensive patient assessment for more advanced combination treatment with neuromodulators and dermal filler pharmaceuticals for oral and maxillofacial esthetic and therapeutic cases.

- **Advanced Facial Esthetics Treatment Planning and Delivery**
 - Facial esthetic procedures in the oral and maxillofacial areas with injected facial pharmaceuticals in association with dental, prosthodontic, orthodontic, periodontal and maxillofacial reconstructive treatment;
 - Conservative lip enhancement procedures and avoidance of potential complications, enhancing the natural lip anatomy to create esthetic lip structures and proper smile lines;
 - Treating the nasolabial fold;
 - Adding volume to the interdental papilla and residual dental ridges using dermal fillers;
 - Limitations of Level 4a treatments and recognizing need for Level 5/6 treatments and referral to qualified health care professional;
 - Understanding facial functional anatomy, aging and skin care to enhance treatment procedures;
 - Advanced dermal filler injection techniques including cross-hatching, scaffolding and bulk-filling;
 - Treating the nasolabial fold, the lips, and the interdental papillae for dental and maxillofacial esthetics and therapeutics;
 - Continued assessment of treatment and therapeutic outcomes and standardized patient photography; and
 - Understanding advanced facial esthetic skin treatments.
- **Comprehensive Treatment Objective and Non-surgical Techniques**
 - Advanced indications and contraindications of facial esthetics and therapeutics use in oral and maxillofacial areas and their related structures;
 - Alternative methods of treatment through differential diagnosis and offering patients all available options for oral and maxillofacial esthetics and therapeutics;
 - Treatment sequence, patient management, post-operative instructions; and
 - Avoidance and management of complications.
- **Advanced Practice Management**
 - Enhanced office forms and/or documentation with appropriate informed consent needed to begin treating patients;
 - Understanding of advanced team training in facial esthetics; and
 - Enhanced patient education in facial esthetics in dentistry.

Level 4b core competencies

- **Patient Assessment and Evaluation**
 - Diagnosis, documentation, treatment planning and proper dosing and delivery of dermal fillers;
 - Indications for other treatment;
 - Advanced oral and maxillofacial anatomy and injected facial pharmaceuticals (hands-on review of peri-oral facial anatomy and skin is recommended);
 - Advanced facial skeletal anatomical considerations, review of aging of the face; and
 - Comprehensive patient assessment for more advanced combination treatment with neuromodulators and dermal filler pharmaceuticals for oral and maxillofacial esthetic and therapeutic cases.
- **Advanced Facial Esthetics Treatment Planning and Delivery**
 - Facial esthetic procedures in the oral and maxillofacial areas with injected facial pharmaceuticals in association with dental, prosthodontic, orthodontic, periodontal and

- maxillofacial reconstructive treatment;
 - Smoothing lip lines and eliminating radial lip lines;
 - Enhancing the upper, mid and lower face using anatomical landmarks;
 - Limitations of Level 4b treatments and recognizing need for Level 5/6 treatments and referral to qualified health care professional;
 - Understanding facial functional anatomy, aging and skin care to enhance treatment procedures;
 - Advanced dermal filler injection techniques including cross-hatching, scaffolding and bulk-filling;
 - Comprehensively treating the upper, mid, lower face and related structures for dental and maxillofacial esthetics and therapeutics;
 - Creating proper oral and maxillofacial contours with advanced lip sculpting, malar and sub-malar enhancements and glabellar treatment;
 - Continued assessment of treatment and therapeutic outcomes and standardized patient photography; and
 - Understanding advanced facial esthetic skin treatments.
- **Comprehensive Treatment Objective and Non-surgical Techniques**
 - Advanced indications and contraindications of facial esthetics and therapeutics use in oral and maxillofacial areas and their related structures;
 - Alternative methods of treatment through differential diagnosis and offering patients all available options for oral and maxillofacial esthetics and therapeutics;
 - Treatment sequence, patient management, post-operative instructions; and
 - Avoidance and management of complications.
 - **Advanced Practice Management**
 - Enhanced office forms and/or documentation with appropriate informed consent needed to begin treating patients;
 - Understanding of advanced team training in facial esthetics; and
 - Enhanced patient education in facial esthetics in dentistry.

Level 4N core competencies:

- **Patient Assessment and Evaluation**
 - Diagnosis, documentation, treatment planning and proper dosing and advanced neuromodulator treatment;
 - Indications for other treatment;
 - Advanced oral and maxillofacial anatomy and injected facial pharmaceuticals (hands-on review of peri-oral facial anatomy and skin is recommended);
 - Advanced facial skeletal anatomical considerations, review of aging of the face; and
 - Comprehensive patient assessment for more advanced combination treatment with neuromodulators and dermal filler pharmaceuticals for oral and maxillofacial esthetic and therapeutic cases.
- **Advanced Therapeutic Neuromodulator Treatment Planning and Delivery**
 - Avoidance and management of complications;
 - Neuromodulator therapeutic treatment of myofascial pain and dysfunction, facial pain, bruxism cases, hypertrophic masticatory musculature, etc., with specific focus on the deep muscles of mastication;
 - Integrating neuromodulators into a comprehensive treatment plan for treating definitively diagnosed myofascial pain;

- Continued assessment of treatment and therapeutic outcomes and standardized patient photography; and
 - Limitations of Level 4b treatments and recognizing need for higher level treatments and referral to qualified health care professionals.
- **Comprehensive Treatment Objective and Non-surgical Techniques**
 - Advanced indications and contraindications of facial esthetics and therapeutics use in oral and maxillofacial areas and their related structures;
 - Alternative methods of treatment through differential diagnosis and offering patients all available options for oral and maxillofacial esthetics and therapeutics;
 - Treatment sequence, patient management, post-operative instructions; and
 - Avoidance and management of complications.
- **Advanced Practice Management**
 - Enhanced office forms and/or documentation with appropriate informed consent needed to begin treating patients;
 - Understanding of advanced team training in facial esthetics; and
 - Enhanced patient education in facial esthetics in dentistry.

A Level 4a and/or 4N certificate can only be obtained with successful completion of a documented examination process. A dentist must submit a letter of confirmation and/or certificate of completion of the Level 4a and/or 4N education program as well as maintaining, for their personal records, a listing of the patient identifiers of their 20 treatments on different Level 3 case patients and start/end dates for the treatment. Upon receipt of this documentation, the College of Dental Surgeons of Alberta will issue a Level 4a and/or 4N certificate authorizing the dentist to provide Level 4a and/or 4N treatment to their patients. A certificate must be granted by the College of Dental Surgeons of Alberta and in the dentist's possession before providing Level 4a and/or 4N treatment to the dentist's own patients.

A Level 4b certificate can only be obtained with successful completion of a documented examination process. A dentist must submit a letter of confirmation and/or certificate of completion of the Level 4b education program as well as maintaining, for their personal records, a listing of the patient identifiers of their 20 treatments on different Level 4a case patients and start/end dates for the treatment. Upon receipt of this documentation, the College of Dental Surgeons of Alberta will issue a Level 4b certificate authorizing the dentist to provide Level 4b treatment to their patients. A certificate must be granted by the College of Dental Surgeons of Alberta and in the dentist's possession before providing Level 4b treatment to the dentist's own patients.

The 4a/b and 4N streams are distinct and complex entities. Thus, dentists must only provide treatments specific to their training and expertise, in either 4a/b or 4N or both, and specific to their College of Dental Surgeons of Alberta certification.

Level 5: Advanced Non-Surgical Esthetic Procedures

This level covers advanced non-surgical esthetic procedures for qualified Oral and Maxillofacial Surgeons only.

This level may include but is not limited to: lasers, intense pulsed light (IPL) dermal therapies, dermabrasion, chemical peels, hair removal, injectable fat dissolving agents (e.g. Deoxycholic acid) and eyelash growth stimulating agents.

Oral and Maxillofacial Surgeons must have suitable training and experience for any such Level 5 procedure they seek to provide.

In addition to all Level 1, 2, 3 and 4 core competencies, successful completion of a Level 5 educational program requires the understanding and application of the following enhanced core competencies:

- **Patient Assessment and Evaluation**
 - Diagnosis, documentation, treatment planning and proper dosing and delivery of Advanced Non-Surgical Esthetic Procedures;
 - Indications for other treatment;
 - Comprehensive patient assessment for Advanced Non-Surgical Esthetic Procedures; and
 - Advanced head and neck applied anatomical considerations.
- **Advanced Facial Esthetics Treatment Planning and Delivery**
 - Facial esthetic procedures in the oral and maxillofacial areas and related structures;
 - Limitations of Level 5 treatments and recognizing need for Level 6 treatments and referral to qualified health care professionals;
 - Understanding advanced facial functional anatomy, aging and skin care to enhance treatment procedures; and
 - Continued assessment of treatment and therapeutic outcomes and standardized patient photography.
- **Comprehensive Treatment Objective and Non-surgical Techniques**
 - Advanced indications and contraindications of facial esthetics and therapeutics use in oral and maxillofacial areas and their related structures;
 - Alternate methods of treatment through differential diagnosis and offering patients all available options for oral and maxillofacial esthetics and therapeutics;
 - Treatment sequence, patient management and postoperative instructions;
 - Avoidance and management of complications; and
 - Continued assessment of treatment and therapeutic outcomes and standardized patient photography.
- **Advanced Practice Management**
 - Enhanced office forms and/or documentation with appropriate informed consent needed to begin treating patients;
 - Understanding of advanced team training in facial esthetics; and
 - Enhanced patient education in facial esthetics.

Level 6: Advanced Surgical Esthetic Procedures

This level covers advanced surgical esthetic procedures for qualified Oral and Maxillofacial Surgeons only.

This level may include but is not limited to: soft tissue/hard tissue esthetic procedures for the head and neck region, hair transplants, rhinoplasty, blepharoplasty, face lifts, liposuction, and fat and blood product transfers.

Oral and Maxillofacial Surgeons must have suitable training and experience for any such Level 6 procedure they seek to provide. Successful completion of a Level 6 educational program requires the understanding and application of specific procedural core competencies relative to each applying dentist.

The core competencies at this level will be evaluated on an individual basis. This level includes but is not limited to: soft tissue/hard tissue esthetic procedures for the head and neck region, hair transplants, rhinoplasty, blepharoplasty, face lifts, liposuction and fat and blood product transfers.

Bibliography

1. Vigliante, C.E.: Anatomy and Functions of the Muscles of Facial Expression; Oral Maxillofac Surg Clin N Am 17 (2005)
2. Majid, O. W.: Clinical use of botulinum toxins in oral and maxillofacial surgery. Int. J. Oral Maxillofac. Surg. 2010; 39: 197–207.
3. Jaspers, G., Pijpe, J., Jansma, J.: The use of botulinum toxin type A in esthetic facial procedures. Int. J. Oral Maxillofac. Surg. 2011; 40: 127–133.
4. Jost, Wolfgang et al: Pictorial Atlas of Botulinum Toxin Injection, Dosage/Localization/Application; Quintessence Publishing 2008
5. American Psychiatric Association: Diagnostic and Statistical Manual of Mental Disorders, Fourth Edition, Text Revision: Body Dysmorphic Disorder, American Psychiatric Association 2000; DSM-IV-TR #300.7
6. Hwang, W., et al.: Surface Anatomy of the Lip Elevator Muscles for the Treatment of Gummy Smile Using Botulinum Toxin, Angle Ortho 2009; 79: 70-77
7. Niamtu, J.: Complications in Fillers and Botox; Oral Maxillofacial Surg Clin N Am, 21 (2009) 13-21
8. Niamtu, J: The use of Restylane in esthetic facial surgery. J Oral Maxillofac Surg 64:317, 2006
9. Obagi, S.: Correction of surface deformities: Botox, soft-tissue fillers, lasers and intense pulsed light, and radiofrequency; Atlas Oral Maxillofacial Surg Clin N Am 12 (2004) 271–297
10. Ali, K., Sittampalam, G., Malik, M. : Bilateral temporalis hypertrophy. Int. J. Oral Maxillofac. Surg. 2010; 39: 292–307. # 2009 International Association of Oral and Maxillofacial Surgeons.
11. Reynolds, P. et al: 3D Head & Neck Anatomy for Dentistry; DVD ROM Primal Pictures, 2008 (www.primalpictures.com)
12. Robinson, June K. et. al.: Surgery of the Skin: Procedural Dermatology, Mosby Elsevier, 2010
13. Guttenberg, S. A.; Editor: Cosmesis of the Mouth, Face and Jaws; Wiley Blackwell, 2012
14. Roberts, Warren; Pacific Training Institute for Facial Aesthetics; teaching material, personal consultation.
15. Malcmacher, Louis; American Academy of Facial Esthetics; teaching syllabus
16. Moore AP, Wood GD. The medical management of masseteric hypertrophy with botulinum toxin types A. Br J Oral Maxillofac Surg. 1994;32:26–28
17. Maestre-Ferrín L, Burguera JA, Peñarrocha-Diago M, Peñarrocha Diago M. Oromandibular dystonia: a dental approach. Med Oral Patol Oral Cir Bucal. 2009;15:e25–e27
18. Al-Muharraqi MA, Fedorowicz Z, Al Bareeq J, Al Bareeq R, Nasser M. Botulinum toxin for masseter hypertrophy. Cochrane Database Syst Rev. 2009;1:CD007510

Regulatory References

1. Province of Alberta: Health Professions Act – Revised Statutes of Alberta 2000 – Chapter H-7; Alberta Queen's Printer, Current as of August 1, 2012
2. Province of Alberta: Health Professions Act, Dentists Profession Regulation – Alberta Regulation 254/2001; Alberta Queen's Printer, With amendments up to and including Alberta Regulation 170/2012
3. Province of Alberta: Pharmacy and Drug Act – Revised Statues of Alberta 2000 – Chapter P-13; Alberta Queen's Printer, Current as of July 1, 2011
4. Province of Alberta: Pharmacy and Drug Act – Scheduled Drugs Regulation – Alberta Regulation 66/2007; Alberta Queen's Printer, With amendments up to and including Alberta Regulation 34/2012
5. Government of Canada: Food and Drug Regulations – C.R.C., c.870; Minister of Justice, Current to April 16, 2013, Last amended March 21, 2013
6. Government of Canada: Controlled Drugs and Substances Act – S.C. 1996, c. 19; Minister of Justice, Current to April 16, 2013, Last Amended November 6, 2012



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