



College of Dental Surgeons of Alberta

Standard of Practice:

Facial Esthetic Therapies
and Adjunctive Procedures

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Introduction

The Standard of Practice: Facial Esthetic Therapies and Adjunctive Procedures applies to dentists who are administering 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. This document also applies to a regulated member authorized to perform any procedures described herein that is supervising an appropriately trained auxiliary performing procedures encompassed by the Standard of Practice.

A restricted activity performed by a dentist regulated by the College of Dental Surgeons of Alberta constitutes "the practice of dentistry", regardless of the premises in which the restricted activity is performed. As such, and per Alberta Personal Services Regulation (Section 2(b)(iii)), the Personal Services Regulation do not apply to "the premises in which a dentist carries on the practice of dentistry". This exemption from the Personal Services Regulation only applies to the administration of services by a regulated dentist or under the supervised delegation of services to an authorized provider by a regulated dentist. This exemption does not apply to any other providers of personal services that are otherwise subject to the Personal Services Regulation that are not under the supervision of the regulated dentist.

The College of Dental Surgeons of Alberta will issue a certificate based on the level of competency achieved for all dentists providing the levels of treatment described by this Standard. The College of Dental Surgeons of Alberta will maintain a list of approved programs at each level.

The College of Dental Surgeons of Alberta will review educational programs, teaching faculty, and/or training materials to determine if those educational and training programs and faculty satisfy the requirements of this Standard. All educational program faculty must be registered with the appropriate regulatory body in the province of Alberta to provide such level of training if such program is provided in the province of Alberta.

Dentists are advised that the core competencies and treatment levels 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.

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 this Standard. 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.

Any prescription or administration of the Schedule 1 drugs, esthetic procedures or therapies discussed herein without acquiring the appropriate level of training and without adhering to this Standard is not permitted; failure to comply with this Standard may constitute unprofessional conduct (per Health Professions Act 1(1)(pp)(ii)).

Dentists are advised that although neuromodulators have many off-label uses supported by research, the limitation of procedures to those encompassed by this Standard and the dentist's training remains paramount. Further, patients must be specifically advised when an off-label use is being suggested, and a discussion of all associated risks must occur.

Standards of Practice Facial Esthetic Therapies and Adjunctive Procedures

Dentists may only prescribe or administer the agents or provide the adjunctive therapeutic and esthetic procedures in this Standard under the following circumstances (which hold whether the dentist is the primary care provider or a treating dentist via referral):

- The patient has completed a full and current dental and medical health history and has been assessed to be a suitable candidate for the recommended treatment or prescription;
- The patient's emotional health has been assessed by the dentist and their motivation, goals, concerns and hopes for treatment have been established and documented;
- Informed consent has been obtained for all treatments, prescriptions and/or therapies including a discussion with the patient with respect to benefits, risks, post-operative care, sequelae, and potential complications;
- The dentist is familiar with all other potential treatment and adheres to their level of training and expertise when providing appropriate therapies/care;
- The dentist is responsible for continual reassessment and follow-up; and
- The dentist is familiar with the limitations and emergency situations that may occur with the administration of any agent administered or therapy provided.

Dentists cannot assign the administration of neuromodulators, 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:

- To any staff member or employee unless they are registered with a professional regulatory authority within the Province of Alberta that allows for this restricted activity.
 - the staff member or employee must meet the requirements of the regulatory authority to administer, formulate or dispense such agents, therapies, or procedures.
- To another registered Alberta healthcare provider unless the dentist delegating the procedure is also authorized by the College of Dental Surgeons of Alberta to provide the treatment/procedures assigned. A healthcare provider administering treatment assigned on a dentist's behalf in a clinical setting must at minimum conform in all aspects to this Standard of Practice and the College of Dental Surgeons of Alberta Standard of Practice for Infection Prevention and Control and are additionally bound by any relevant higher Standard of their regulatory authority.

Dentists providing any level of treatment in temporary clinical settings including, but not limited to spas, esthetic studios, hair salons, fairs or expositions, or private residences or similar must ensure that appropriate infection prevention and control measures are in place per the College of Dental Surgeons of Alberta Standard of Practice for Infection Prevention and Control. At minimum, an abbreviated chart must be completed containing the necessary health information for the safe administration of any services provided. Additionally, the dentist must provide means for any necessary emergency care or follow-up for patients treated in these settings. Dentists must adhere to all applicable Standards of Practice and are advised to be especially mindful of their obligations under the Standard of Practice: Sexual Abuse and Sexual Misconduct when interacting with patients in a temporary clinical setting.

Dentists treating patients in a temporary setting are required to provide their own kit of emergency drugs and products relevant to the procedures they are providing. In the case of dermal fillers, this must include hyaluronidase. The dentist must also ensure an Automated External

Defibrillator (AED) is on site, functional, and be familiar with its use. If one is not present, the dentist must have an AED in their emergency kit.

Dentists treating patients outside of their normal clinic environment must have copies of their registration and FETAP certificates at the site of treatment.

The dentist is responsible for referring cases whose complexity exceeds their training to appropriately trained healthcare professionals.

Dentists are obligated to maintain continuity of care for their patients outside of office hours and to provide emergency care for their patients. If this obligation cannot be met, it is the dentist's responsibility to arrange such care with a practitioner of equivalent or higher qualifications. This responsibility extends to patients treated in temporary clinical settings.

Dentists must be in possession of the appropriate College of Dental Surgeons of Alberta certificate before providing that level of treatment to their patients regardless of certificates issued by educational program providers.

Dentists are required to complete approved, structured, and gated levels of training before comprehensive use of neuromodulators, dermal fillers and esthetic therapies or procedures is permitted.

A dentist cannot move to a subsequent level of treatments/therapies without completing the requirements of the previous level.

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, is approved by the College of Dental Surgeons of Alberta.

Before a dentist can proceed to the next level of treatment they must have at least 20 documented treatments on patients, including pre- and post-treatment photographs, during a minimum six-month period of providing the current approved level of treatment to demonstrate substantial experience and competency within the level. Multiple treatments on the same patient only count towards the 20-patient minimum if they are separated by at least three months.

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

The dentist must maintain and have all records of patients treated available upon request if a review of these records is requested by the College of Dental Surgeons of Alberta.

Treatment Levels

Level 1: Applied Anatomy Review and Introduction to Neuromodulators

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.

Level 1 does not authorize the dentist to provide any patient treatment in administering neuromodulators, dermal fillers, or other esthetic pharmaceutical agents or adjunctive therapies.

Level 2: Basic Neuromodulators: Upper Face and Bruxism Treatment

Level 2 will allow the use of neuromodulators for the superficial muscles of the upper face and for bruxism treatment. This level is limited to the frontalis muscle, the glabellar complex, procerus, the corrugators supercilii, and orbicularis oculi. For the treatment of bruxism, this level is limited to injection of temporalis and masseter.

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

Level 3 will allow the dentist to provide advanced neuromodulator administration for mid and lower face and neck regions and for myofascial pain and dysfunction treatment. In addition to those muscles in Level 2, this level allows dentists to treat: levator labii superioris alaeque nasi, levator labii superioris, nasalis, zygomaticus major and minor, risorius, levator and depressor anguli oris, buccinator, orbicularis oris, levator and depressor labii superioris, mentalis and platysma. Treatment protocols for migraine and myofascial pain and dysfunction may be undertaken at this level if encompassed by the dentist's training.

Level 4: 4a - Dermal Fillers: Basic Facial Dermal Fillers

Level 4 will introduce the dentist to:

4a - Dermal fillers – the need for and use of dermal fillers for the treatment of the nasolabial fold, lip augmentation, and gingival augmentation.

4b - Dermal Fillers: Advanced Facial Dermal Fillers

4b - Dermal fillers – the need for and use of dermal fillers in other areas of the face, including but not limited to malar enhancement, treatment of the nasojugal groove, and the treatment of laugh and marionette lines.

4N - Neuromodulators for Deep Muscles of Mastication

4N - Neuromodulator treatment for deep muscles of mastication – review of deep muscle injections for temporomandibular joint dysfunction/ Myofascial Pain Dysfunction which includes deep muscles of mastication (e.g., medial, and lateral pterygoid muscles).

The 4a/b and 4N streams are distinct and complex entities; 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. Dentists must complete Level 4a before undertaking Level 4b training.

Level 5: Advanced Non-Surgical Esthetic Procedures

This level covers advanced non-surgical esthetic procedures for dentists with additional training and qualified Oral and Maxillofacial Surgeons.

This level may include but is not limited to: thread lift procedures, extraoral lasers, intense pulsed light (IPL) or radio frequency (RF) dermal therapies, dermabrasion, chemical peels, hair removal, injectable fat dissolving agents (e.g., Deoxycholic acid) and eyelash growth stimulating agents. All such procedures by regulated members are restricted to the head and neck area.

Dentists holding a Level 4b Certificate may undertake approved training to be certified in the following modules:

- 5t - Thread lifts – the need for and use of thread lifting procedures for comprehensive facial rejuvenation;
- 5e - Eyelash growth stimulating agents – the prescription for and application of agents that stimulate growth of the eyelashes;
- 5f - Facial esthetic treatments confined to superficial and medium chemical peels and dermabrasion – the need for and use of chemical peel agents or mechanical means to rejuvenate the skin and treat acne scars, wrinkles, and uneven skin color;
- 5m - Microneedling – the need for and use of microneedling procedures to rejuvenate the skin; and
- 5p - Phototherapies, Radio Frequency therapies and laser therapies – the need for and use of phototherapy (Intense Pulsed Light (IPL)) radiofrequency (RF) therapy or lasers for skin resurfacing, skin tightening and hair removal.

All Level 5 streams are distinct and complex entities. Dentists must only provide treatments specific to their training and expertise, and specific to their College of Dental Surgeons of Alberta certification.

Only qualified Oral and Maxillofacial Surgeons may use injectable fat-dissolving agents (e.g., Deoxycholic acid).

Dentists seeking certification in these modalities must submit the course syllabus for review of sufficiency prior to taking the course.

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.

Core Competencies by Training Level

These core competencies by training level reflect the key concepts and techniques that all dentists must be trained in to receive a CDSA FETAP certificate. As such, they are prescriptive for course content. Courses providing didactic and practical experiences that do not meet the core competencies of each level will not be approved and while dentists may receive continuing education credit for such a program, they will not be considered for a FETAP certificate at that level.

This section also details the administrative processes dentists must follow to advance through the training levels.

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 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 and must include a hands-on cadaver session, comprehensive cadaver videos, or an online interactive cadaver format detailing the functional anatomy of the head and neck relating to treatments under this Standard.

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 patient 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.

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

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. Two dentists providing team-treatment on one model patient is permitted provided both dentists render care for the model patient.

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;
- Accepted treatment techniques including mapping of anatomical muscle sites, muscle depths, proper preparation and dilution for oral and maxillofacial esthetic and therapeutic outcomes; 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.

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

- Detail 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 six months before progressing to the next level. The dentist must have at least 20 documented treatments on patients, including pre- and post-treatment photographs, during the minimum six-month period of providing Level 2 treatments to demonstrate substantial experience and competency within the level. Multiple treatments on the same patient count towards the 20-patient minimum so long as they are separated by a minimum of three months.

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

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. Two dentists providing team-treatment on one model patient is permitted provided both dentists render care for the model patient.

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;
- 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; and
- Assessing patient 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.

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 patient treatments of 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 six months before progressing to the next level.

The dentist must have at least 20 documented treatments on patients, including pre- and post-treatment photographs, during the minimum six-month period of providing Level 3 treatment to demonstrate substantial experience and competency within the level. Multiple treatments on the same patient count towards the 20-patient minimum so long as they are separated by a minimum of three months.

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 may choose to take a Level 4a or 4N course, or both.

The dentist may, after the minimum six-month period of providing Level 4a treatment, proceed to Level 4b training. The dentist must have at least 20 documented treatments on patients, including pre- and post-treatment photographs, during the minimum six-month period of providing Level 4a treatment to demonstrate substantial experience and competency within the level. Multiple treatments on the same patient count towards the 20-patient minimum so long as they are separated by a minimum of three months.

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. The 8 didactic hours must include functional anatomy instruction on cadavers or pre-dissected cadaver specimens. Clinical observation of treatment being rendered by others is insufficient for the requirements of this Standard. Two dentists providing team-treatment on one model patient is permitted provided both dentists render care for the model patient.

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 - Basic Facial Dermal Fillers

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;

- Comprehensive patient assessment for more advanced combination treatment with neuromodulators and dermal filler pharmaceuticals for oral and maxillofacial esthetic and therapeutic cases, and
- Assessing patient 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.

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 - Dermal Fillers: Advanced Facial Dermal Fillers

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; and

- Assessing patient 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.

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 enhancement;
- 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 - Neuromodulators for Deep Muscles of Mastication

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 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 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 specifically 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 dentists holding Level 4b certificates with additional training and qualified Oral and Maxillofacial Surgeons.

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

As Level 5 treatments represent an advanced and diverse level of facial esthetic procedures, dentists holding Level 4b certificates can seek advanced modular training in the following areas only. These education levels will introduce the dentist to:

- 5t - Thread lifts
- 5e - Eyelash growth stimulating agents
- 5f - Facial esthetic treatments confined to superficial and medium chemical peels and dermabrasion
- 5m - Microneedling
- 5p - Phototherapies, Radio Frequency therapies and laser therapies

These levels of education represent an advanced level of clinical competency in safety and clinical use of a wide variety of facial pharmaceuticals and procedures in oral and maxillofacial esthetics and therapeutics. The curriculum for Level 5 education in facial esthetic procedures 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 5 educational module must include didactic hours and direct participation in live treatment on model patients. Clinical observation of treatment being rendered by others is insufficient for the requirements of this Standard. Two dentists providing team-treatment on one model patient is permitted provided both dentists render care for the model patient.

Prior to enrolling in any Level 5 modular education, dentists must submit the syllabus for the program they wish to take for review of sufficiency of the educational program under this standard. This submission must occur a minimum of 60 days before the desired program. Unless this submission is made and approved, there is a risk to the dentist that the certificate may not be issued if the program is deemed insufficient. The CDSA will maintain a register of approved programs as they are submitted and reviewed.

Oral and Maxillofacial Surgeons must have suitable training and experience for any Level 5 procedure they seek to provide. Only Oral and Maxillofacial Surgeons may provide treatment using injectable fat-dissolving agents, so long as it was part of their training.

In addition to all Level 1, 2, 3 and 4 core competencies, successful completion of a Level 5 modular program requires the understanding and application of the following enhanced core competencies. Each individual Level 5 module must meet these core competencies as they relate to that specific modality.

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;
- Advanced head and neck applied anatomical considerations; and
- Assessing patient 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.

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.

A Level 5 module 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 5 module educational program. Upon receipt of this documentation, the College of Dental Surgeons of Alberta will issue the appropriate Level 4 module certificate authorizing the dentist to provide that specific Level 5 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 5 treatment to the dentist's own patients.

The Level 5 modules are distinct and complex entities. Thus, dentists must only provide treatments specific to their training and expertise in each individual module and specific to their College of Dental Surgeons of Alberta certification.

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.

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(Links assessed October 20, 2022)



402-7609 109 ST NW

Edmonton, AB T6G 1C3

Phone: (780) 432 1012

Fax: (780) 433 4864

Email: reception@cdsab.ca

www.cdsab.ca