

Orthodontic Procedures Policy

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Public Interest Statement

The Orthodontic Procedures Policy ensures that dental hygienists have the necessary education and skills to perform this additional authorized practice, thereby enhancing public safety and confidence in the profession.

Purpose

Pursuant to section 23 5(c) of the *Dental Disciplines Act*, dental hygienists can perform orthodontic procedures consistent with an approved education program in dental hygiene.

Pursuant to the provincial dental hygiene competencies a dental hygienist may perform orthodontic procedures including fabricating and/or placing orthodontic appliances (in collaboration with dentists, orthodontists, etc. and consistent with approved orthodontic training)

Scope of this Policy

This policy is to provide clarity on the (1) interpretation of legislative requirements in performing orthodontic procedures, (2) authorization to perform orthodontic procedures, (3) approved orthodontic education programs.

Policy

1. Interpretations of Legislative Requirements
 - a. Supervision of performing orthodontic procedures is not required however, as noted above, the procedures must be provided in collaboration with a dentist or orthodontist. A dentist or orthodontist may determine the degree of supervision for performing orthodontic procedures, if any.
 - b. Permitted clinical orthodontic procedures include:
 - placement and exposure for extra-oral radiographs (hand/wrist, cephalometric, panoramic)
 - placement and removal of separators
 - preliminary placement of fixed appliances prior to adjustment by a dentist or orthodontist
 - preliminary placement of removable appliances prior to adjustment by a dentist or orthodontist
 - preliminary fitting of bands
 - direct bonding of attachments following prescription of the dentist and prior to final check by the dentist or orthodontist
 - direct or indirect bonding of brackets following the prescription of the dentist and prior to final check by the dentist orthodontist
 - cementation of bands prior to final check by the dentist or orthodontist
 - placement and removal of archwires which have been formed by a dentist or orthodontist
 - placement and removal of archwire accessories and ligatures
 - removal of bands and bonded metal attachments
 - application of non-medical materials
 - c. Sufficient documentation must demonstrate that the dentist or orthodontist has delegated the performance of permitted orthodontic procedures and the dental hygienist is following the treatment plan determined by the dentist or orthodontist.
2. Authorization to Perform Orthodontic Procedures is based on a combination of:
 - a. Appropriate education related to the performance of this authorized practice;

- i. Appropriate education is the acquisition of the competencies (knowledge, skills, and judgment) required to perform orthodontic procedures at an entry-level standard of competence.
 - ii. Appropriate education provides sufficient theoretical foundation and clinical experience for the practitioner to practice in a competent, legal, ethical and professional manner.
 - b. The length of time that has lapsed since an applicant has successfully completed their education related to orthodontic procedures; and
 - c. The length of time passed since the applicant last performed orthodontic procedures on a regular basis.
3. Approved Orthodontic Programs
Course Competencies in the performance of orthodontic procedures must meet the criteria outlined in Appendix A in order for the CDHS to determine if it can be deemed appropriate education.

Registrant Responsibilities & Compliance

- Registrants must apply to the CDHS to have the orthodontic authorized practice added to their licensure.
- Registrants must not perform orthodontic procedures of a permanent nature until they have been notified in writing that they have been authorized by the CDHS.
- Registrants must remain current in their competence of performing orthodontic procedures.

Non-Compliance

- Performing orthodontic procedures without obtaining authorization from the CDHS is considered unlawful and may result in disciplinary or legal action.

APPENDIX A: Criteria for Orthodontic Procedures Courses

Theoretical course content must include:	Pre-clinical and clinical course content must include:
<ol style="list-style-type: none"> 1. Classifications of malocclusion 2. Common etiologies of malocclusion 3. Goals of orthodontics and indications for treatment 4. The four stages of comprehensive treatment 5. Treatment mechanics: <ol style="list-style-type: none"> a. Mechanics of orthodontic/ orthopaedic/ surgical movement b. General mechanics of appliance action c. Fixed appliances and their mechanics of action d. Band and bond structure e. Properties of archwires f. Fixed and removable appliances and their mechanics of action 6. Diagnostic records: <ol style="list-style-type: none"> a. Orthodontic evaluation b. Photographs c. Radiographs d. Orthodontic impression taking e. Centric occlusion wax bite f. Model trimming g. Bitefork and facebow registration h. Mounting articulated models 7. Clinical procedures: <ol style="list-style-type: none"> a. Separation b. Banding and debanding c. Bonding and debonding d. Archwires e. Ligatures f. Self-ligating brackets g. Power products and accessories h. Checking appliance integrity and initial try-in of appliances including: <ol style="list-style-type: none"> i. Determining the preliminary fit of removable appliances prior to final fitting and/or adjustment by a dentist ii. Determining the preliminary fit of bands prior to final fitting and/or cementation by a dentist or RDH iii. Determining the preliminary fit of fixed appliances prior to adjustment and cementation by a dentist 8. Patient/ Client instruction: <ol style="list-style-type: none"> a. The care and use of orthodontic appliances b. Oral hygiene and disease control c. Elastic placement 	<ol style="list-style-type: none"> 1. Taking intra-oral and extra-oral photographs 2. Patient/ Client placement for exposure of extra-oral radiographs (hand/wrist, cephalometric, panoramic) 3. Placement and removal of separators 4. Placement and removal of oral isolation devices in preparation for direct bonding procedures 5. Manipulation and application of materials for bonding and banding procedures 6. Cement bands prior to final check by the dentist 7. Removal of banding cement and bonding adhesive with hand or power instruments 8. Preparation of the teeth for banding and direct bonding procedures 9. Placement and indirect or direct bonding of ortho brackets and bondable attachments. Checking integrity of bands, bonds, attachments, etc. 10. Placement and removal of archwires which have been formed by a dentist 11. Trim and/or bend distal ends of archwires 12. Placement and removal of archwire accessories and ligatures: individual or chain elastomeric ligatures, wire ligatures (separate and continuous) and self-ligation mechanisms 13. Application of non-medicinal material such as wax or lip bumper to reduce ortho component irritation 14. Removal of bands and bonded metal attachments, utilizing hand instruments 15. Provide patient/ client instruction regarding: <ol style="list-style-type: none"> a. the care and use of orthodontic appliances b. oral hygiene and disease control c. elastic placement d. proper eating habits and patient/ client cooperation e. orthodontic emergencies 16. Determining the preliminary fit of removable appliances prior to final fitting and/or adjustment by a dentist 17. Determining the preliminary fit of bands prior to final fitting by a dentist and cementation by a dentist or RDH 18. Determining the preliminary fit of fixed appliances prior to adjustment and cementation by a dentist

<ul style="list-style-type: none"> d. Proper eating habits and patient/ client cooperation e. Orthodontic emergencies <p>9. Infection prevention and control in orthodontics</p>	
Additional requirements:	
<ul style="list-style-type: none"> 1. There must be evidence that course participants receive sufficient experience in both the pre-clinical and clinical settings to attain competence. The clinical session must be a minimum of 24 hours including instruction, practice, and evaluation. 2. The orthodontic course must be delivered as a component of an accredited dental hygiene program or as a continuing education course delivered by: <ul style="list-style-type: none"> a. An accredited faculty of dentistry, b. An accredited dental hygiene program, or c. An accredited dental assisting program. 3. The orthodontic program must be taught by oral health practitioners who are registered/licensed in good standing and authorized to provide orthodontic procedures in the jurisdiction where they hold registration/licensure. In accordance with the Dental Disciplines Act, persons teaching clinical courses in Saskatchewan must be registered with the appropriate regulatory authority (e.g., CDHS, CDSS, CDAS). 4. The orthodontic program must be held in a properly equipped dental environment which will permit the course participants to use the techniques being taught to achieve an acceptable entry-level of competence for the performance of orthodontic procedures. 5. There must be evidence of appropriate evaluation in both the theory (written examination) and clinical components. 	