

1 **Policy on oral habits**

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3 **Originating Council**

4 Council on Clinical Affairs

5 **Review Council**

6 Council on Clinical Affairs

7 **Adopted**

8 2000

9 **Revised**

10 2003

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12 **Purpose**

13 The American Academy of Pediatric Dentistry (AAPD) recognizes that an infant's, The
14 child's, or adolescent's well-being can be affected by oral habits ~~that may be useful or~~
15 ~~harmful~~ and encourages health practitioners to take an individualized approach in the
16 management of these habits.

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18 **Methodology**

19 This policy was based on a MEDLINE search using the keywords "oral habits",
20 "bruxism", "tongue thrusting" and "self-injurious habits".

21

22 **Background/literature review**

23 Oral habit behaviors generally include, among others, digit-sucking, pacifier sucking, lip
24 sucking and biting, nail-biting, bruxism, self-injurious habits, mouth breathing and
25 tongue thrust. Non-nutritive sucking behaviors (eg, finger or pacifier sucking) are
26 considered normal in infants and young children and usually are associated with their
27 need to satisfy their the urge for contact and security.

28 In general, sucking habits in children to the age of 5 are unlikely to cause any long-term
29 problems. Because persistent non-nutritive sucking habits may result in long term
30 problems, professional evaluation has been recommended for children beyond the age
31 of 3 years, with subsequent intervention to cease the habit initiated if indicated.¹

32 Bruxism, defined as the habitual, nonfunctional forceful contact between occlusal tooth
33 surfaces, can occur while awake or asleep. The etiology is multifactorial and has been
34 reported to include central factors (eg, emotional stress², parasomnias³, traumatic brain

35 injury⁴, neurologic disabilities⁵) and morphologic factors (eg, malocclusion⁶, muscle
36 recruitment⁷). Reported complications include dental attrition, headaches,
37 temporomandibular joint dysfunction and soreness of the masticatory muscles³.
38 Preliminary evidence suggests that juvenile bruxism is a self-limiting condition that does
39 not progress to adult bruxism⁸. The spectrum of bruxism management ranges from
40 patient/parent education, occlusal splints and psychological techniques to
41 medications^{4,9,10}.

42 Tongue thrusting, an abnormal tongue position and deviation from the normal
43 swallowing pattern, and mouth breathing may be associated with anterior open bite,
44 abnormal speech and anterior protrusion of the maxillary incisors¹¹. Management may
45 consist of simple habit control, myofunctional therapy, habit appliances, orthodontics
46 and possible surgery^{12,13}.

47 Self-injurious or self-mutilation behavior, repetitive acts that result in physical damage
48 to the individual, is extremely rare in the normal child¹⁴. However, such behavior has
49 been associated with mental retardation, psychiatric disorders, developmental
50 disabilities and some syndromes¹⁵. The spectrum of treatment options for
51 developmentally disabled individuals include pharmacologic management, behavior
52 modification and physical restraint¹⁵. Reported dental treatment modalities include,
53 among others, lip-bumper and occlusal bite appliances, protective padding and possible
54 extractions¹⁴. Some habits, such as lip-licking and lip-pulling, are relatively benign
55 habits in relation to an effect on the dentition.¹⁴ More severe lip and tongue biting habits
56 may be associated with profound neurodisability due to severe brain damage¹⁶.
57 Management options include monitoring the lesion, odontoplasty, providing a bite-
58 opening appliance or extracting the teeth¹⁶.

59 However, prolonged oral habits may result in deformation of the dentition. Oral habits
60 are associated with dentoalveolar and/or skeletal deformation in some patients. The
61 amount of dentoalveolar-skeletal deformation is related to the frequency, duration,
62 direction and intensity of certain habits and should be assessed by the dentist. These
63 changes Changes that can occur to the dentoalveolar structures may include anterior or
64 posterior open bite, interference of normal tooth position and eruption, alteration of
65 bone growth and crossbites. The dentist can provide the patient and parent/guardian
66 with information regarding consequences of a habit. Treatment modalities to control
67 habits may include patient/ parent counseling, behavior modification techniques,
68 myofunctional therapy and appliance therapy.

69 **Policy statement**

- 70 1. The American Academy of Pediatric Dentistry (AAPD) AAPD supports the
71 individualized approach for each child in evaluating oral habits.
- 72 2. Where appropriate, the AAPD encourages treatment of oral habits to prevent or
73 intercept possible malocclusion or skeletal dysplasia from occurring.

74 3. The AAPD supports intervention for bruxism when the habit is of sufficient
75 persistence, duration or intensity to damage the permanent teeth or cause other
76 complications which affect the child's well being.

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