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LINGUAL FRENULUM PROTOCOL FOR INFANTS
Martinelli, 2015

HISTORY

Name: _____
Examination Date: ___/___/___ Birth: ___/___/___ Age: ___ Gender: M () F ()
Mother's name: _____
Father's name: _____
Address: _____
City: _____ State: _____ ZIP: _____
Phone: home () _____ office () _____ cell () _____
email: _____

Family history (any lingual frenulum alteration)
() no (0) () yes (1) Who: _____ What: _____

Other health problems
() no () yes What: _____

Breastfeeding:

- Interval between feedings: () 2hours or more (0) () 1hour or less (2)
- fatigue during feeding? () no (0) () yes (1)
- sucks a little and sleeps? () no (0) () yes (1)
- slips off nipple? () no (0) () yes (1)
- chews nipple? () no (0) () yes (2)

History total scores: Best result= 0 Worst result= 8

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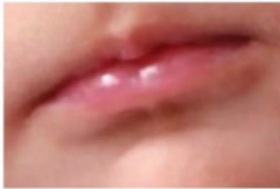
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CLINICAL EXAMINATION (video for future analysis suggested)

PART I – ANATOMO-FUNCTIONAL EVALUATION

1. Lip posture at rest



() closed (0)



() half-open (1)



() open (1)

2. Tongue posture during crying



() midline (0)



() elevated (0)



() midline with lateral elevation (2)



() apex of the tongue down with tongue lateral elevation (2)

3. Shape of the apex of the tongue when elevated during crying or during elevation maneuver



() round (0)



() V-shaped (2)



() heart-shaped (3)

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4. Lingual Frenulum



() visible



() not visible



() visible with maneuver*

*Maneuver: elevate and push back the tongue.

If the frenulum is not visible, go to PART II (Non-nutritive sucking and nutritive sucking evaluations)

4.1. Frenulum thickness



() thin (0)



() thick (2)

4.2. Frenulum attachment to the tongue



() midline (0)



() between midline and apex (2)

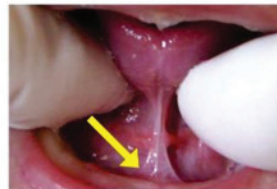


() apex (3)

4.3. Frenulum attachment to the floor of the mouth



() visible from the sublingual caruncles (0)



() visible from the inferior alveolar crest (1)

Anatomo-functional evaluation total score (items 1, 2, 3 and 4): Best result=0 Worst result=12

When the score of items 1, 2, 3 and 4 of the anatomo-functional evaluation is equal or greater than 7, the interference of the frenulum with the movements of the tongue may be considered. Release of lingual frenulum is indicated.

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PART II – EVALUATION OF NON-NUTRITIVE SUCKING AND NUTRITIVE SUCKING

1. Non-nutritive sucking (little finger sucking wearing gloves)

1.1. Tongue movement

- adequate: coordinated movement (0)
- inadequate: restricted tongue anteriorization, uncoordinated movements and sucking delay (1)

2. Nutritive sucking during breastfeeding

(when breastfeeding starts, observe infant sucking during five minutes)

2.1. Sucking Rhythm (observe groups of sucking and pauses)

- several suckings in a row followed by short pauses (0)
- a few suckings followed by long pauses (1)

2.2. Coordination among sucking/ swallowing/ breathing

- adequate (0) (balance between feeding efficiency and sucking, swallowing and breathing functions without stress)
- inadequate (1) (cough, choking, dyspnea, regurgitation, hiccup, swallowing noises)

2.3. Nipple chewing

- no (0)
- yes (1)

2.4. Clicking during sucking

- no (0)
- yes (1)

Non-nutritive sucking and nutritive sucking total score: Best result= 0 worst= 5

HISTORY AND CLINICAL EXAMINATION TOTAL SCORES: Best result= 0 Worst result= 25

Sum of the CLINICAL EXAMINATION scores (anatomy-functional evaluation and non-nutritive sucking and nutritive sucking):

Scores 0 - 8: there is no interference of lingual frenulum with tongue movements ()

Scores 9 or more: there is interference of the lingual frenulum with tongue movements. ()

Release of lingual frenulum is indicated.

Sum of HISTORY and CLINICAL EXAMINATION scores

Scores 0 -12: there is no interference of lingual frenulum with tongue movements ()

Scores 13 or more: there is interference of the lingual frenulum with tongue movements. ()

Release of lingual frenulum is indicated.