

Each of these six (6) factors is an independent "red flag" for sleep-disordered breathing.

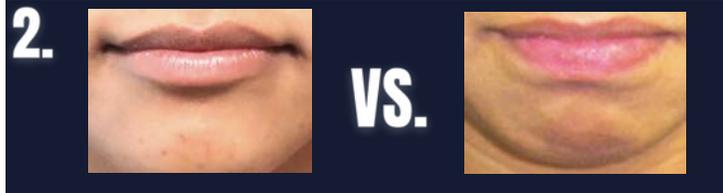


Difficulty with exclusive nasal-breathing for 3+ minutes?

### MOUTH BREATHING

NO

YES



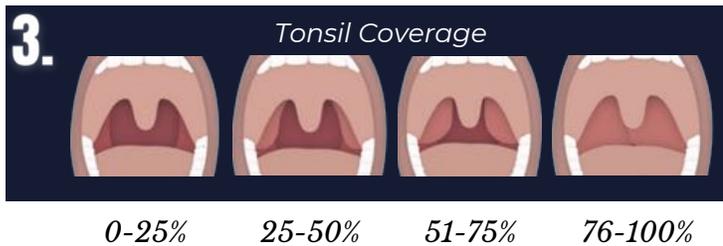
No Mentalis-Strain

Mentalis-Strain

### MENTALIS STRAIN

NO

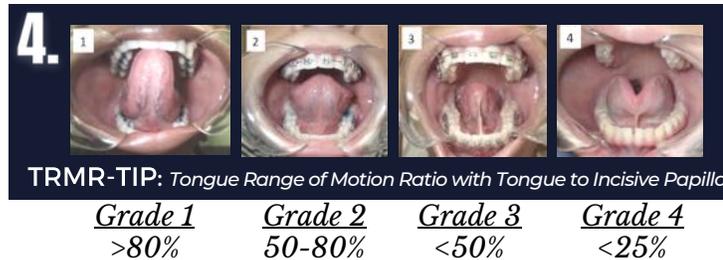
YES



### TONSIL HYPERTROPHY

<50%

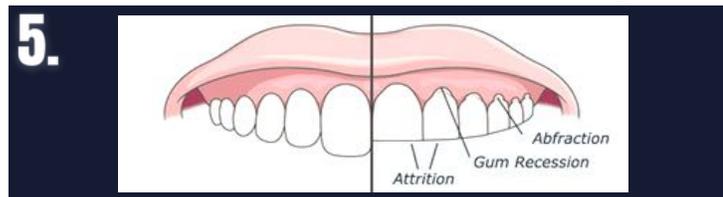
>50%



### ANKYLOGLOSSIA

NOT RESTRICTED

RESTRICTED (GRADE 3-4)



Are there visible signs of dental wear?

### DENTAL WEAR

NO

YES



Signs of dental crowding, high arch, and/or narrow palate?

### NARROW PALATE

NO

YES

### GRADING SCALE

The score on the FAIREST-6 is equal to the sum of the number of exam findings present. Scores may range from 0 (none of the items are present) to 6 (all six of the concerning exam findings are present). **A score of two corresponds to mildly increased risk of sleep-disturbance; four indicates moderately increased risk; six indicates severely increased risk.**

Number of Red Flags  
 Risk of Sleep-Disturbance

#### Scoring Table for FAIREST 6

	0	1	2	3	4	5	6
	Normal		Mild		Moderate		Severe

FUNCTIONAL CLASSIFICATION OF ANKYLOGLOSSIA : *BASED ON TONGUE RANGE OF MOTION RATIO (TRMR)*

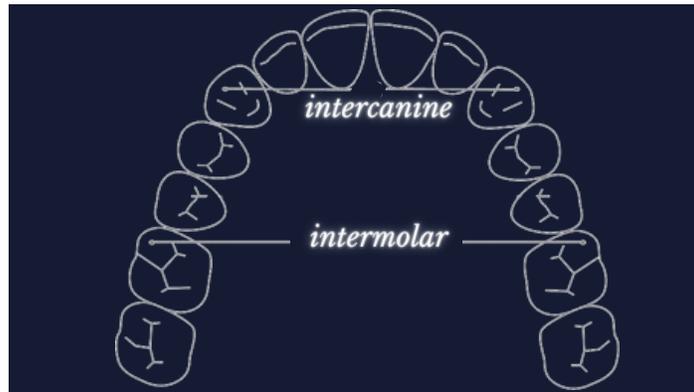
**TRMR-TIP** Assessment of Anterior Tongue Mobility Tongue to Incisive Papilla (TIP)

<b>Grade 1:</b> TRMR-TIP > 80% <i>Significantly Above Average</i>	<b>Grade 2:</b> TRMR-TIP 50-80% <i>Average</i>
<b>Grade 3:</b> TRMR-TIP < 50% <i>Below Average</i>	<b>Grade 4:</b> TRMR-TIP < 25% <i>Significantly Below Average</i>

**TRMR-LPS** Assessment of Posterior Tongue Mobility Lingual Palatal Suction (LPS)

<b>Grade 1:</b> TRMR-LPS > 60% <i>Significantly Above Average</i>	<b>Grade 2:</b> TRMR-LPS 30-60% <i>Average</i>
<b>Grade 3:</b> TRMR-LPS < 30% <i>Below Average</i>	<b>Grade 4:</b> TRMR-LPS < 5% or unable <i>Significantly Below Average</i>

MEASURING INTERCANINE & INTERMOLAR DISTANCE



**Maxillary Intercanine Distance**

**a.** > 37 mm (Wide)    **b.** 31-37 mm (Neutral)    **c.** < 31 mm (Narrow)

**Maxillary Intermolar Distance**  
*(Mesio-buccal Cusps)*

**a.** > 52 mm (Wide)    **b.** 46-52 mm (Neutral)    **c.** < 46 mm (Narrow)

REFERENCES

1. Assessment of Nasal Breathing Using Lip Taping: A Simple and Effective Screening Tool.  
*Authors: Zaghi S, Peterson C, Shamtoob S, Brigitte Fung B, Kwok-Keung Ng D, Jagomagi T, Archambault N, O'Connor B, Winslow K, Peeran Z, Lano M, Murdock J, Valcu-Pinkerton S, Morrissey L.*
2. Determinants of Sleep-Disordered Breathing During the Mixed Dentition: Development of a Functional Airway Evaluation Screening Tool (Fairest 6).  
*Authors: James Oh DDS, Soroush Zaghi MD, Cynthia Peterson PT, Clarice S Law DMD MS, Audrey J Yoon DDS MS.*
3. Determinants of probable sleep bruxism in a pediatric mixed dentition population: a multivariate analysis of mouth vs. nasal breathing, tongue mobility, and tonsil size.  
*Authors: Oh J S, Zaghi S, Ghodousi N, Peterson C, Silva D, Lavigne G J, Yoon, A.*
4. Assessment of posterior tongue mobility using lingual-palatal suction: progress toward a functional definition of ankyloglossia.  
*Authors: Zaghi S, Shamtoob S, Peterson C, Christianson L, Valcu-Pinkerton S, Peeran Z, Fung B, Kwok-Keung Ng D, Jagomagi T, Archambault N, O'Connor B, Winslow K, Lano M, Murdock J, Morrissey L, Yoon A.*
5. Ankyloglossia as a risk factor for maxillary hypoplasia and soft palate elongation: A functional - morphological study.  
*Authors: A J Yoon, S Zaghi, S Ha, C S Law, C Guillemainault, S Y Liu.*

## The Breathe Institute- Pediatric Intake and Screening Tool

Please answer Yes/No, or leave blank if unsure. Provide any additional information as desired.

1. When sleeping, does your child ever snore?  YES  NO \_\_\_\_\_
2. When sleeping, does our child ever appear to stop breathing?  YES  NO \_\_\_\_\_
3. When sleeping, does your child ever gasp or wake with a startle?  YES  NO \_\_\_\_\_
4. When sleeping, is your child's body ever in odd positions?  YES  NO \_\_\_\_\_
5. When sleeping, does your child have their head extended back?  YES  NO \_\_\_\_\_
6. When sleeping, does your child grind their teeth?  YES  NO \_\_\_\_\_
7. When sleeping, does your child sweat more than usual?  YES  NO \_\_\_\_\_
8. When sleeping, does your child breathe with their mouth open?  YES  NO \_\_\_\_\_
9. When sleeping, does your child leave drool on the pillow?  YES  NO \_\_\_\_\_
10. Does your child have difficulty getting to sleep?  YES  NO \_\_\_\_\_
11. Does your child difficulty staying asleep?  YES  NO \_\_\_\_\_
12. Does your child wake up then have trouble going back to sleep?  YES  NO \_\_\_\_\_
13. Does your child sleep lightly and are they easily roused?  YES  NO \_\_\_\_\_
14. Does your child wake up groggy and/or moody?  YES  NO \_\_\_\_\_
15. Does your child wake up with a head-ache?  YES  NO \_\_\_\_\_
16. Does your child appear lethargic or hyperactive during the day?  YES  NO \_\_\_\_\_
17. Does your child have nightmares?  YES  NO \_\_\_\_\_
18. Does your child sleep walk or talk?  YES  NO \_\_\_\_\_
19. Does your child wet the bed?  YES  NO \_\_\_\_\_
20. Does your child toss and turn while asleep?  YES  NO \_\_\_\_\_
21. Does your child have problems with anxiety or behavioral issues?  YES  NO \_\_\_\_\_
22. Does your child have fidgety legs?  YES  NO \_\_\_\_\_
23. Does your child wake up in a tangle of bedclothes or on the wrong side of the bed?  YES  NO \_\_\_\_\_
24. Does your child chew with mouth open/messy eater?  YES  NO \_\_\_\_\_
25. Does your child exhibit thumb sucking or chewing on foreign objects (pencil, nail hair)?  YES  NO \_\_\_\_\_
26. How many hours of sleep does your child get, on average, in a 24-hour period including naps? (Circle)  
                   Less than 6      6-7      7-8      8-9      9-10      10-11      11-12      13-14      15-17

### National Sleep Foundation Recommended Sleep Times

Toddlers (1-2 years)	11-14 hours
Preschoolers (3-5 years)	10-13 hours
School aged children (6-13 years)	9-11 hours
Teenagers (14-17 years)	8-9 hours

I have truthfully answered all of the above questions and agree to inform your practice of any changes in my child's medical history. In addition, I certify that I have custody and do authorize informed consent for the practice to perform a complete medical, dental, and/or myofunctional evaluation of the patient.

PARENT/ GUARDIAN NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_