

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

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

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

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

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

MEASURING MAXILLARY INTERMOLAR DISTANCE

intermolar (Mesiolingual Cusps)

Adult Measurements				
< 32 mm	32-34 mm	34-36 mm	36-38 mm	38-42 mm
Very Severe	Severe	Moderate	Mildly Narrow	Normal/Ideal
Pediatric Measurements				
Age + 24 mm				

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.