

## **OROFACIAL MYOFUNCTIONAL DISORDERS**





0.101400	<b>BEFORE</b> Embryological remnant of tissue or apnoneurosis of the genioglossus muscle in the midline between the undersurface of the tongue and the floor of the mouth that restricts tongue movement. Ankyloglossia is a severely restricted tongue-tie.	AFTER The myofunctional therapist has been trained to assess the tongue and develop normal tongue functions. If there is a restricted lingual frenum or "tongue-tie", the myofunctional therapist will refer the patient to the proper doctor who will release the restriction surgically and immediately following the procedure the myofunc- tional therapist will re-pattern the tongue muscles to assure maximum benefit from the procedure.	UNTREATED If the tongue is not able to function normally, the growth and development of the stomatognathic system is compromised. This may affect digestion, speech, breathing, dental occlusion, TMJ function, posture, sleep disordered breathing and chronic pain patterns of the head and neck.	13. TONSILS / AD	<b>BEFORE</b> The tonsils and adenoids are part of the immune system in children. Adenoids are situated in the posterior portion of the nose. Enlarged tonsils and adenoids reduced or prevent nasal breathing, proper function of the soft palate and middle ear and may cause OSA.	AFTER Enlarged tonsils and adenoids are to be suspected when there is an open mouth posture; tongue thrust, painful swallowing, nasal voice and other possible signs. A referral to an ENT is recommended as enlarged tonsils and adenoids (not visible from the mouth) are a medical condition that needs to be addressed medically.	Enlarged tonsils may lead to chronic open mouth posture, mouth breathing, bad breath, sleep disordered breathing, tongue thrust, dental malocclusion and some degrees of craniofacial anomalies. Enlarged (hypertrophic) adenoids may also contribute to sleep disorders, poor nasal breathing, chronic open mouth posture, changes in voice resonance (sounding too "nasal"), ear infections and symptoms and degrees of craniofacial anomalies.
0.111-111	<b>BEFORE</b> Lip-tie also called a restricted labial or buccal frenum, is an embryologic remnant of tissue, also called mid-line deficiency, which may restrict normal lip function.	FFER The OMT has been trained to develop a lip seal and habitu- ate proper function of the orbicularis muscle and peri-oral muscles. If the patient presents with lip-tie, after attempts to stretch the tissue are unsuccessful, normal functions are restricted and the therapist will refer the patient to have the restriction removed. Immediately following the proce- dure, the therapist will re-pattern the muscles and function.	UTREATED An untreated short upper lip may create an open mouth at rest position where malocclusion and periodontal disease are more likely to develop.	14. TMD	<b>BEFORE</b> When the orofacial muscle function and patterns are incorrect, the symmetry, equilibration and range of motion of the TMJ may be dysfunctional, causing discomfort or pain.	AFTER   Re-patterning the muscle functions and creating awareness of habits that may interfere with proper jaw function will decrease or eliminate discomfort and dysfunction.	<b>WITE ALLES</b> Pain patterns and improper habits may increase. The patient may continue attempting to compensate for the dysfunction in order to relieve the pain. Often the patient will develop medications dependency, psychological problems, referred pain to neck, shoulders and back and general sensitization.
	<b>BEFORE</b> Although there is a range of normalcy in the swallowing pattern, usually, swallowing with a tongue thrust (forward or lateral), with lips open, with unstable jaw stabilized by tongue and facial muscles is considered to be atypical, which is a mild degree of swallowing disorder.	AFTER   By identifying and correcting breathing patterns, by repositioning the tongue at rest, by repatterning the swallowing mechanism and by applying behavior modification techniques, OMT is able to correct and normalize the atypical swallowing.	<b>UTREATED</b> Atypical swallowing is the result of smaller but significant dysfunctions (lips open, jaw instability, tongue thrust) that by themselves or together may contribute to larger issues such as malocclusions, TMJD, facial pain and more.	<b>15. SLEEP DISORDERS</b>	Isonoring8. Sleep walking2. Sleep Apnea9. Sleep talking3. Narcolepsy10. Bedwetting4. Circadian Rhythm Sleep Disorders10. Bedwetting5. Insomnia11. Sleep related movement disorders5. Insomnia12. Excessive Daytime Sleep iness disorders6. Night terrors 7. Nightmares11. Sleep iness disorders	FFER AFTER OMT may be an aid to assisting Sleep Medicine Physicians and Sleep Dentists attain a patent air- way and educating patients as to the value of ex- ercising muscles of the stomatognathic system. We can also reinforce the sleep physician or den- tist's treatment plan and motivate the patient to continue treatment.	UNTREATED Patient's condition may worsen especially if they ignore the physician or dentist's treatment plan. Sleep disorders are linked to malocclusion, TMD, and even death, in severe cases, obesity digestive problems and diabetes, worsening of periodontal disease, behavioral problems and learning delays in children, accidents and injuries.
	BEFORE   Habits are tongue, lip, pacifier and thumb sucking; leaning on one's hand, nail biting, lip licking, facial mannerism (excessive movements) etc. Sometimes, if the infants are not allowed sufficient time or uses an incorrect sucking technique, they may find satisfaction in sucking their fingers, or pacifiers or objects or their tongue. Intensity duration and frequency of the habit may affect tongue rest posture, mastication, TMJ, lips health, facial skin and more.	Final and the success in children for 30 days, while the family is coached on how to achieve long-term success.	UNTREATED The habits continues to encourage abnormal growth and development and may lead to orthodontic problems, TMJD, perioral skin conditions, dry and cracked lips, narrow palate, nail and finger skin infections etc. Attention must be paid to underlining physiological, psychological disorders and behavior problems.	<b>16. BRUXISM AND CLENCHING</b>	BEFORE   Clenching is closing the teeth tightly, often for prolonged periods of time. Itis a normal function when bearing down (as in weightlifting or constipation). The habit of clenching damages the teeth and the temporomandibular articulation; causes chewing muscle dysfunctions and pain. Bruxing is grinding of the teeth, usually at night and it's sign of sleep disordered breathing.	AFTER OMT provides awareness of the habit to the person who clenches; helps identify the connections between stress and clenching, as a stress management parafunction; provides strategies to reduce or eliminate clenching; identify some symptoms of disordered nasal breathing, which is often the main contributor to bruxing, or other symptoms of OSA, and make the appropriate referral.	UNTREATED Clenching is a natural response to stress, but both prolonged stress and clenching have a well documented widespread effect on the orofacial muscles, and the mandibular and dental functions. Bruxism underlies sleep disorders, for which an appropriate assessment is needed. Bruxism also causes teeth damage, changes in occlusion, muscle pain, temporomandibular pain or discomfact

Scientific references with a detailed bibliography for "OMDs: Dx, Rx, Tx, & Px" can be found online at: www.aomtinfo.org/OMDmatrix



## OMD'S: Dx, Rx, Tx, & Px





This project, "OROFACIAL MYOFUNCTIONAL DISORDERS: Dx, Rx, Tx, & Px" is coordinated by the Academy of Orofacial Myofunctional Therapy (AOMT), a USA based post graduate training institution that specialises in training allied health professionals in Orofacial Myofunctional Therapy. This project is also supported by the Academy of Applied Myofunctional Sciences (AAMS), an international, non-profit NGO and membership association engaged in advancing research, standards, education, and public health initiatives in the area of Orofacial Myofunctional Therapy worldwide.

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