

## CITATION

Stefani CM, de Almeida de Lima A, Stefani FM, Kung JY, Flores-Mir C, Compton SM. Effectiveness of orofacial myofunctional therapy in improving orofacial function and oral habits: a scoping review. *Can J Dent Hyg.* 2025;59(1):59–72.

## Supplementary File 2. Excluded records with reasons for exclusion

Study	Reference	Reason for exclusion
<b>Achmad 2020</b>	Achmad H, Mutmainnah N, Ramadhany YF. A Systematic Review of Oral Myofunctional Therapy, Methods and Development of Class II Skeletal Malocclusion Treatment in Children. <i>Systematic Reviews in Pharmacy</i> 2020;11(6):511-21.	Exclusion reason: Wrong intervention; Obs.: Orthodontic device only. No exercises.
<b>Altmann 1987</b>	Altmann EB. Myofunctional therapy and orthognathic surgery. <i>The International journal of orofacial myology : official publication of the International Association of Orofacial Myology</i> 1987;13(3):2-12.	Exclusion reason: Wrong study design; Obs: Narrative review. Poor source of studies.
<b>Baxter 2020</b>	Baxter R, Merkel-Walsh R, Baxter BS, Lashley A, Rendell NR. Functional Improvements of Speech, Feeding, and Sleep After Lingual Frenectomy Tongue-Tie Release: A Prospective Cohort Study. <i>Clinical pediatrics</i> 2020;59(9-10):885-92.	Exclusion reason: Not enough information to access OMT effects Obs.: OMT is mentioned, but casually (one sentence), with no further description. Additionally, not all participants received it. The focus is on the surgery.
<b>Bellon 2023</b>	Bellon M, Boutin F, Haddad R, Frapier L. Effectiveness of orthopaedic treatments on the enlargement of the upper airways: Overview of systematic reviews. <i>International orthodontics</i> 2023;21(2):100745.	Exclusion reason: Wrong intervention; Obs.: Orthodontic device only. No exercises.
<b>Brignardello-Petersen 2020</b>	Brignardello-Petersen R. Twin block appliance seems to have better outcomes than preorthodontic trainer after 9 months. <i>JOURNAL OF THE AMERICAN DENTAL ASSOCIATION</i> 2020;151(11):E101-E01.	Exclusion reason: Wrong publication type Obs.: Commentary
<b>Buscemi 2022</b>	Buscemi A, Coco M, Rapisarda A, et al. Tongue stretching: technique and clinical proposal. <i>Journal of complementary &amp; integrative medicine</i> 2022;19(2):487-91.	Exclusion reason: Wrong study design; Obs.: Treatment technique description only. No clinical study.
<b>Campan 1996</b>	Campan P, Baron P, Duran D, Casteigt J. [Lingual frenectomy: a therapeutic protocol. A technic for frenectomy with 2 incision lines combined with active postoperative kinesitherapy during and after healing]. <i>Schweizer Monatsschrift fur Zahnmedizin = Revue mensuelle suisse d'odonto-stomatologie = Rivista mensile svizzera di odontologia e stomatologia</i> 1996;106(1):45-54.	Exclusion reason: OMT effects confounded with co-interventions. Obs.: The results of OMT are mingled with those of frenectomy. There was no evaluation between the surgery and the OMT protocol.
<b>Cardim 2009</b>	Cardim VLN, Silva AL, Silva AS, Dornelles REV, Salomons RL. Functional rescue of nasal breathing; 2009. p. 37-41.	Exclusion reason: Wrong publication type Obs.: Conference abstract.

Study	Reference	Reason for exclusion
<b>Ciftci 2021</b>	Ciftci V, Uzel A. Dento-skeletal effects of myofunctional appliance on patients with class II div 1 in mixed dentition stage: A cephalometric study. <i>Pediatric Dental Journal</i> 2021;31(3):235-41.	Exclusion reason: Wrong intervention; Obs.: Passive appliance only. No associated exercises.
<b>Condo 2012</b>	Condo R, Costacurta M, Perugia C, Docimo R. Atypical deglutition: diagnosis and interceptive treatment. A clinical study. <i>European journal of paediatric dentistry</i> 2012;13(3):209-14.	Exclusion reason: Wrong intervention; Obs.: Passive appliance only. No associated exercises.
<b>Costa 2013</b>	Costa PP, Mezzomo CL, Soares MK. Verificação da eficiência da abordagem terapêutica miofuncional em casos de desvio fonológico, fonético e fonético-fonológico. <i>Rev. CEFAC</i> 2013;15(6):1703-11.	Exclusion reason: Wrong study design; Obs.: Case series - six cases.
<b>DaCunhaKalil 2015</b>	Da Cunha Kalil MTA. Myofunctional treatment in the pre and post-surgical of orthognathic surgery. <i>International Archives of Otorhinolaryngology</i> 2015;19(Supplement 2):S91.	Exclusion reason: Wrong publication type Obs.: Conference abstract.
<b>Daglio 1993</b>	Daglio S, Schwitzer R, Wuthrich J. Orthodontic changes in oral dyskinesia and malocclusion under the influence of myofunctional therapy. <i>The International journal of orofacial myology : official publication of the International Association of Orofacial Myology</i> 1993;19(gsi, 8207532):15-24.	Exclusion reason: Not enough information to access OMT effects; Obs: No OMT description nor of the orthodontic treatment.
<b>Daglio 1993</b>	Daglio SD, Schwitzer R, Wuthrich J, Kallivroussis G. Treating orofacial dyskinesia with functional physiotherapy in the case of frontal open bite. <i>The International journal of orofacial myology : official publication of the International Association of Orofacial Myology</i> 1993;19(gsi, 8207532):11-4.	Exclusion reason: Not enough information to access OMT effects; Obs: No OMT description nor of the orthodontic treatment.
<b>DaSilva 2017</b>	Da Silva MFG, Valerio NG, De Felicio CM. Therapeutic intervention in childhood masticatory disorders: A retrospective study. <i>International Archives of Otorhinolaryngology</i> 2017;21(Supplement 2):S74.	Exclusion reason: Wrong publication type Obs.: Conference abstract.
<b>DEGUCHI 1991</b>	Deguchi T. SKELETAL, DENTAL, AND FUNCTIONAL-EFFECTS OF HEADGEAR-ACTIVATOR THERAPY ON CLASS-II MALOCCLUSION IN JAPANESE - A CLINICAL CASE-REPORT. <i>AMERICAN JOURNAL OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS</i> 1991;100(3):274-85.	Exclusion reason: Wrong intervention; Obs.: Orthodontic device only. No exercises.
<b>Dinkova 2014</b>	Dinkova M. Vertical control of overbite in mixed dentition by trainer system. <i>Journal of IMAB - Annual Proceeding (Scientific Papers)</i> 2014;20(5):648-54.	Exclusion reason: Wrong intervention; Obs.: Passive appliance only. No associated exercises.

Study	Reference	Reason for exclusion
<b>DiVecchio 2019</b>	Di Vecchio S, Manzini P, Candida E, Gargari M. Froggy mouth: a new myofunctional approach to atypical swallowing. <i>European journal of paediatric dentistry</i> 2019;20(1):33-37.	Exclusion reason: Wrong intervention; Obs.: Passive appliance only. No associated exercises.
<b>Doshi 2010</b>	Doshi UH. Stability of lateral open bite and myofunctional therapy. <i>American journal of orthodontics and dentofacial orthopedics : official publication of the American Association of Orthodontists, its constituent societies, and the American Board of Orthodontics</i> 2010;138(6):686-87.	Exclusion reason: Wrong study design Obs.: Letter.
<b>DotoJr 1974</b>	Doto Jr BV. Morphological changes of the hard palate and posterior dentition following myofunctional tongue therapy. <i>American Journal of Orthodontics</i> 1974;66(1):101.	Exclusion reason: Wrong publication type Obs.: Conference abstract.
<b>Duarte 2003</b>	Duarte LIMF, Leslie Piccolotto. Respiração e mastigação: estudo comparativo. <i>Rev. dent. press ortodon. ortop. maxilar</i> 2003;8(4):79-87.	Exclusion reason: Not enough information to access OMT effects; Obs.: The authors provide no information on the OMT exercises, the session frequency, and treatment duration. Besides, there is no information on the population characteristics, e.g. age.
<b>Ferreira 2011</b>	Ferreira TS, Mangilli LD, Sassi FC, et al. Speech and myofunctional exercise physiology: a critical review of the literature. <i>Jornal da Sociedade Brasileira de Fonoaudiologia</i> 2011;23(3):288-96.	Exclusion reason: Wrong study design; Obs.: Narrative review focused on dysphagia, syndromes and aging.;
<b>Ferres-Amat 2016</b>	Ferres-Amat E, Pastor-Vera T, Ferres-Amat E, et al. Multidisciplinary management of ankyloglossia in childhood. Treatment of 101 cases. A protocol. <i>Medicina oral, patologia oral y cirugia bucal</i> 2016;21(1):e39-47.	Exclusion reason: OMT effects confounded with co-interventions. Obs.: The results of OMT are mingled with those of frenotomy. Besides, there is no OMT description.
<b>Fränkel 1982</b>	Fränkel R, Fränkel C. Funktionelle Aspekte des skelettalen offenen Bisses - Eine fernröntgenologische Longitudinaluntersuchung von unbehandelten und mit Funktionsreglern behandelten Fällen. <i>Fortschr. Kieferorthop.</i> 1982;43(1):8-18.	Exclusion reason: Wrong intervention; Obs.: Orthodontic device only. No exercises.
<b>Freitas 2012</b>	Freitas CMd, Freitas RR, Silva JRC. Uso do Sistema Trainer no centro de especialidades odontológicas (CEO) de Ortodontia da ASCES (Caruaru-PE). <i>Ortho Sci., Orthod. sci. pract</i> 2012;5(20):491-97.	Exclusion reason: Not enough information to access OMT effects Obs.: No description of associated exercises. The focus is on appliance use.
<b>Fukumoto 2016</b>	Fukumoto A, Otsuka T, Kawata T. Simple Myofunctional Therapy Using Ready-made Mouthpiece Device before and after Orthodontic Treatment. <i>The Chinese journal of dental research : the official journal of the Scientific Section of the Chinese Stomatological Association (CSA)</i> 2016;19(3):165-9.	Exclusion reason: Wrong study design; Obs.: The study teaches how to use the appliance associated with OMT. There is no effectiveness evaluation. ;

Study	Reference	Reason for exclusion
<b>Grigorenko 2020</b>	Grigorenko NN, Stebelkova ML. The relationship of clinical and pedagogical effects in the process of articulation normalization and correction of speech sound disorders in children with anomalies of dentofacial system and oral cavity. <i>Pediatriya - Zhurnal im G.N. Speranskogo</i> 2020;99(4):126-32.	Exclusion reason: Wrong outcomes; Obs.: Speech outcomes only.
<b>Gross 2021</b>	Gross AM, Frech DK. Treatment of open-bite tendency with a miniscrew-supported transpalatal arch and myofunctional exercises. <i>Journal of clinical orthodontics</i> : JCO 2021;55(4):51-514.	Exclusion reason: Wrong study design; Obs.: Case report.
<b>Gurgel 2017</b>	Gurgel LG, Puricelli E, Langie RC, De Almeida ST, Martinez CC. Myofunctional therapy before orthognathic surgery in patients with orofacial myofunctional disorders: A serie of cases. <i>International Archives of Otorhinolaryngology</i> 2017;21(Supplement 2):S108.	Exclusion reason: Wrong publication type Obs.: Conference abstract.
<b>Herget 2012</b>	Herget A, Ohlendorf D, Kopp S. Effects of face-former therapy on upper torso posture. <i>Man. Med.</i> 2012;50(3):204-10.	Exclusion reason: Wrong patient population; Obs.: Temporomandibular diseases
<b>Huang 2019</b>	Huang Y, Yao D, Lu S, Pan Y, Wang L. Study on soft tissue changes of angle class II division I mandibular retraction patients during mixed dental period with MRC functional correction. <i>J. Prev. Treat. Stomatol. Dis.</i> 2019;27(6):375-80.	Exclusion reason: Wrong intervention; Obs.: Orthodontic device only. No exercises.
<b>Ibrahim 2013</b>	Ibrahim F, Arifin N, Rahim ZHA. Effect of orofacial myofunctional exercise using an oral rehabilitation tool on labial closure strength, tongue elevation strength and skin elasticity. <i>J. Phys. Ther. Sci.</i> 2013;25(1):11-14.	Exclusion reason: Wrong patient population; Obs. No OMD. Healthy patients.
<b>Idris 2019</b>	Idris G, Hajeer MY, Al-Jundi A. Soft- and hard-tissue changes following treatment of Class II division 1 malocclusion with Activator versus Trainer: a randomized controlled trial. <i>European journal of orthodontics</i> 2019;41(1):21-28.	Exclusion reason: Wrong intervention; Obs.: Orthodontic devices comparison. The exercises were only those associated with the preformed appliance, as part of the protocol.
<b>Ishii 2017</b>	Ishii K, Yamashita K, Saitoh K, Horihata S, Kasai K. The clinical application of acoustic analysis to evaluation of tongue position. <i>ICIC Express Lett Part B Appl.</i> 2017;8(10):1391-94.	Exclusion reason: Wrong outcomes; Obs.: Speech outcomes only.
<b>Janson 2010</b>	Janson G, Freitas K, Cabrera M. Stability of lateral open bite and myofunctional therapy Response. <i>AMERICAN JOURNAL OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS</i> 2010;138(6):687-87.	Exclusion reason: Wrong study design Obs.: Authors' response to the letter from Doshi.
<b>Jardini 2001</b>	Jardini RSR. Uso do exercitador facial: um estudo preliminar para fortalecer os músculos faciais. <i>Pró-fono</i> 2001;13(1):83-89.	Exclusion reason: Wrong patient population Obs.: OMT for facial esthetics. Healthy patients.

Study	Reference	Reason for exclusion
<b>Karthan 2023</b>	Karthan M, Hieber D, Pryss R, Schobel J. Developing a Mobile Serious Game Platform to Improve Orofacial Myofunctional Therapy for Children. 2023(Query date: 2023-05-16 15:13:58).	Exclusion reason: Wrong publication type Obs.: Conference abstract.
<b>Kim 2019</b>	Kim SH, Kim MJ, Lee SH, Choi BW. The effects of orofacial myofunctional training on the changes of lip and tongue strength in elderly people. Journal of dental ... 2019(Query date: 2023-05-16 15:13:582 cites: <a href="https://scholar.google.com/scholar?cites=10600992238047473173&amp;as_sdt=2005&amp;scioldt=0,5&amp;hl=en">https://scholar.google.com/scholar?cites=10600992238047473173&amp;as_sdt=2005&amp;scioldt=0,5&amp;hl=en</a> ).	Exclusion reason: Wrong patient population; Obs. No OMD. Healthy patients.
<b>Knosel 2012</b>	Knosel M, Klein S, Bleckmann A, Engelke W. Coordination of tongue activity during swallowing in mouth-breathing children. Dysphagia 2012;27(3):401-7.	Exclusion reason: Wrong intervention; Obs.: No OMT.
<b>Kopp 2004</b>	Kopp S, Berndsen K, Berndsen S, Ifert F, Langbein U. Initial treatment of myogenous findings in the craniomandibular system with a manufactured intra-/extra-oral training appliance. Man. Med. 2004;42(1):55-62.	Exclusion reason: Wrong patient population; Obs.: patients with myogenic pain;
<b>Korik 2008</b>	Korik PT. The overall effects of feeding therapy [United States -- New Jersey: The William Paterson University of New Jersey; 2008.	Exclusion reason: Wrong outcomes; Obs.: Speech outcomes only.
<b>Koskimies 2011</b>	Koskimies M, Pahkala R, Myllykangas R. Palatal training appliances in children with mild to moderate oral dysfunctions. The Journal of clinical pediatric dentistry 2011;36(2):149-53.	Exclusion reason: Wrong intervention; Obs.: Passive appliance only. No associated exercises.
<b>Lee 2020</b>	Lee K-H, Jung E-S, Choi Y-Y. Effects of lingual exercises on oral muscle strength and salivary flow rate in elderly adults: a randomized clinical trial. Geriatrics & gerontology international 2020;20(7):697-703.	Exclusion reason: Wrong patient population; Obs.: no OMD considered
<b>Maffei 2014</b>	Maffei C, Garcia P, de Biase NG, et al. Orthodontic intervention combined with myofunctional therapy increases electromyographic activity of masticatory muscles in patients with skeletal unilateral posterior crossbite. Acta odontologica Scandinavica 2014;72(4):298-303.	Exclusion reason: OMT effects confounded with co-interventions. Obs. The results of OMT are mingled with those of orthodontic treatment since both treatments were simultaneous and there was no control group (orthodontic treatment only).
<b>Martinez-Aguilera 2022</b>	Martinez-Aguilera C. Physical culture Therapeutic for school care with short lingual frenulum supported in myofunctional therapy. ARRANCADA 2022;22(41):28-42.	Exclusion reason: Wrong outcomes; Obs.: Speech outcomes only.
<b>Martini 2023</b>	Martini B, Gil H, Tichit M, Amat P, Gebeile-Chauty S. Orofacial myofunctional reeducation: what is the scientific background? L' Orthodontie francaise 2023;94(1):93-111.	Exclusion reason: Wrong study design; Obs.: Narrative review. Not focused on OMT but on OMDs.

Study	Reference	Reason for exclusion
<b>Mason 2009</b>	Mason RM, Franklin H. Position statement of the International Association of Orofacial Myology regarding: appliance use for oral habit patterns. The International journal of orofacial myology : official publication of the International Association of Orofacial Myology 2009;35(gsi, 8207532):74-6.	Exclusion reason: Wrong intervention Obs.: The focus is on passive appliances (against them). ;
<b>Maurya 2022</b>	Maurya RK, Bhardwaj P, Singh H, et al. Evaluation of pre- and post-treatment masticatory and bite force efficiency in patients undergoing fixed orthodontic treatment and orthognathic surgery using T-Scan Novus occlusal analysis: A factorial randomized controlled trial. National journal of maxillofacial surgery 2022;13(3):376-83.	Exclusion reason: Wrong intervention; Obs.: Orthodontic device only. No exercises.
<b>Mazza 2011</b>	Mazza C, Murgo A, Nicolo A, Cappozzo A. Effects of tongue positioning at the retro-incisive spot of the palate on postural balance control in subjects with dysfunctional swallowing. Gait and Posture 2011;33(SUPPL. 1):S57-S58.	Exclusion reason: Wrong publication type Obs.: Conference abstract.
<b>MedranoMontero 2016</b>	Medrano Montero J, Carracedo Rabassa Z, Palomino Truit A. Evaluación electrofisiológica de los músculos masticatorios en niños sometidos a terapia de ortodoncia con aparatos funcionales y mioterapia. CCH, Correo cient. Holguín 2016;20(1):67-79.	Exclusion reason: Not enough information to access OMT effects; Obs. No information on the initial orthodontic condition of the sample; no clear information on the myotherapy used.
<b>Migliorucci 2017</b>	Migliorucci RR, Passos DCBdOF, Berretin-Felix G. Programa de terapia miofuncional orofacial para individuos submetidos à cirurgia ortognática. Rev. CEFAC 2017;19(2):277-88.	Exclusion reason: Wrong study design; Obs.: Treatment protocol development description only. No results.
<b>Miller 2022</b>	Miller JE, Chung HR, West AN. Outcomes of Stretching Exercises After Lingual Frenotomy: A Prospective, Interventional Study. Otolaryngology - Head and Neck Surgery 2022;167(1 Supplement):P125.	Exclusion reason: Wrong publication type Obs.: Conference abstract.
<b>Monteiro 2017</b>	Monteiro SB, Araujo TC, Cardoso LQ, et al. Use of digital games in orofacial myofunctional therapy: Preliminary study. International Archives of Otorhinolaryngology 2017;21(Supplement 2):S95.	Exclusion reason: Wrong publication type Obs.: Conference abstract.
<b>Moschik 2015</b>	Moschik CE, Pichelmayer M. Influence of Myofunctional Therapy on Upper Intercanine Distance. J Dent Oral ... 2015(Query date: 2023-05-16 15:13:585 cites: <a href="https://scholar.google.com/scholar?cites=14659524312421586651&amp;as_sdt=2005&amp;scioldt=0,5&amp;hl=en">https://scholar.google.com/scholar?cites=14659524312421586651&amp;as_sdt=2005&amp;scioldt=0,5&amp;hl=en</a> ).	Exclusion reason: Not enough information to access OMT effects; OBS: There is no description of the OMT. Additionally, there is no clear description of the initial condition of included patients.
<b>Nascimento 2020</b>	Nascimento ALdO, Reis F, Berzin F, et al. When tongue strength exercises reflect in the cervical region. CoDAS 2020;32(4):e20180285.	Exclusion reason: Wrong outcomes; Obs.: orthopedic outcomes only

Study	Reference	Reason for exclusion
<b>Okkesim 2007</b>	Okkesim Ş, Kara S, Uysal T, Yağci A. Analysis of the electromyogram to evaluate the effect of Pre Orthodontic Trainer during sucking on an empty straw. Paper presented at, 2007.	Exclusion reason: Wrong intervention; Obs.: Passive appliance only. No associated exercises.
<b>Olivi 2021</b>	Olivi G, Genovese MD, Olivi M, et al. Short lingual frenum in infants, children and adolescents. Part 2: Lingual frenum release. Functional surgical approach. European journal of paediatric dentistry 2021;22(1):47-54.	Exclusion reason: Wrong intervention; Obs.: Frenectomy only, no exercises.
<b>Ortiz 2021</b>	Ortiz VAS, Mejía JEN, Briones FMA. Therapy: A perspective beyond malocclusionsmyofunctional. Univ. Soc. 2021;13(S2):31-37.	Exclusion reason: Wrong study design; Obs.: Narrative review. The search was systematized, and there were eligibility criteria. However, the authors do not cite the included references in the results. Therefore the source of information could not be accessed.
<b>Pereira 2011</b>	Pereira JBA, Bianchini EMG. Caracterização das funções estomatognáticas e disfunções temporomandibulares pré e pós cirurgia ortognática e reabilitação fonoaudiológica da deformidade dentofacial classe II esquelética. Rev. CEFAC 2011;13(6):1086-94.	Exclusion reason: OMT effects confounded with co-interventions Obs.: the effects of OMT are mingled with those of orthognathic surgery since no separate evaluations exist. Besides, there is no clear description of the OMT used.
<b>PérezVarela 1993</b>	Pérez Varela H, Ramos Morales C, Castañeda Abascal IE. Tratamiento con mioterapia colectiva a escolares de primaria afectados con labios cortos e incompetentes y/o lengua protractil. Rev. cuba. ortod 1993;8(2):22-30.	Exclusion reason: No available full-text; Obs. the librarian from a Cuban University was contacted for the full text, with no success.
<b>Quinzi 2020</b>	Quinzi V, Nota A, Caggiati E, et al. Short-Term Effects of a Myofunctional Appliance on Atypical Swallowing and Lip Strength: A Prospective Study. Journal of clinical medicine 2020;9(8).	Exclusion reason: Wrong intervention; Obs.: Passive appliance only. No associated exercises.
<b>Ray 2003</b>	Ray J. Effects of orofacial myofunctional therapy on speech intelligibility in individuals with persistent articulatory impairments. The International journal of orofacial myology : official publication of the International Association of Orofacial Myology 2003;29(gsi, 8207532):5-14.	Exclusion reason: Wrong outcomes; Obs.: speech outcomes only
<b>Ray 2021</b>	Ray J. Review of New Trends in Myofunctional Therapy: Occlusion, Muscles and Posture, by Saccomanno and Paskay (2020). ... Journal of Orofacial Myology & Myofunctional ... 2021(Query date: 2023-05-16 15:13:58).	Exclusion reason: Wrong study design; Obs. book review.
<b>Rothstein 1974</b>	Rothstein RL. A cephalometric evaluation comparing the effectiveness of myofunctional therapy with mechanical restraint in the correction of	Exclusion reason: Wrong publication type Obs.: Conference abstract.

Study	Reference	Reason for exclusion
	the deviate swallow (tongue thrust). American Journal of Orthodontics 1974;66(1):104-05.	
<b>Sacomanno 2012</b>	Sacomanno S, Antonini G, D'Alatri L, et al. Causal relationship between malocclusion and oral muscles dysfunction: a model of approach. European journal of paediatric dentistry 2012;13(4):321-3.	Exclusion reason: Not enough information to access OMT effects Obs.: No clear information on the initial orthodontic condition of the sample or the myotherapy used.
<b>Shah 2021</b>	Shah SS, Nankar MY, Bendgude VD, Shetty BR. Orofacial Myofunctional Therapy in Tongue Thrust Habit: A Narrative Review. International journal of clinical pediatric dentistry 2021;14(2):298-303.	Exclusion reason: Wrong study design; Obs: Narrative review. Poor source of studies.
<b>Silva 2000</b>	Silva AMTd. Eletromiografia: avaliação dos músculos orbiculares da boca em crianças respiradoras bocais, pré e pós mioterapia; 2000. p. 124-24.	Exclusion reason: No available full-text; Obs: The author is deceased. I contacted the University responsible for keeping the Thesis. I was informed the physical library is being renewed, so all paper documents are currently unavailable.
<b>SilvaFilho 2001</b>	Silva Filho OG, Baldrighi SEZdM, Cavassan AdO, Freitas NV, Corrêa TM. Recurso mioterápico como potencializador do efeito corretivo da grade palatina fixa. Rev. dent. press ortodon. ortop. maxilar 2001;6(6):67-75.	Exclusion reason: Wrong study design; Obs.: Narrative review with protocol presentation.
<b>Sorokin 2015</b>	Sorokin A, Cassir N, Desplats E, Huynh N. The impact of orofacial myofunctional therapy on the reestablishment of nasal breathing and the stability of orthodontic treatment. tongue thrust: To treat or not to treat? Cleft Palate-Craniofacial Journal 2015;52(4):e125-e26.	Exclusion reason: Wrong publication type Obs.: Conference abstract.
<b>Stavridi 1992</b>	Stavridi R, Ahlgren J. Muscle response to the oral-screen activator. An EMG study of the masseter, buccinator, and mentalis muscles. European journal of orthodontics 1992;14(5):339-49.	Exclusion reason: Wrong intervention; Obs.: Passive appliance only. No associated exercises.
<b>Suwwan 2008</b>	Suwwan IY. Longitudinal effects of habit-breaking appliances on tongue and dento-alveolar relations and speech in children with oral habits [Canada -- Ontario, CA: University of Toronto (Canada); 2008.	Exclusion reason: Wrong intervention; Obs.: Passive appliance only. No associated exercises.
<b>Szuhanek 2016</b>	Szuhanek C, Jianu R, Schiller E, et al. Acrylic versus silicone in interceptive orthodontics. Mater. Plast. 2016;53(4):759-60.	Exclusion reason: Wrong intervention; Obs.: Passive appliance only. No associated exercises.
<b>Takamoto 2018</b>	Takamoto K, Saitoh T, Taguchi T, et al. Lip closure training improves eating behaviors and prefrontal cortical hemodynamic activity and decreases daytime sleep in elderly persons. Journal of bodywork and movement therapies 2018;22(3):810-16.	Exclusion reason: Wrong patient population; Obs.: no OMD considered
<b>Tallgren 1998</b>	Tallgren A, Christiansen RL, Ash M, Jr., Miller RL. Effects of a myofunctional appliance on orofacial muscle activity and structures. The Angle orthodontist 1998;68(3):249-58.	Exclusion reason: Wrong intervention; Obs.: Passive appliance only. No associated exercises.



Study	Reference	Reason for exclusion
<b>Tecco 2015</b>	Tecco S, Baldini A, Mummolo S, et al. Frenulectomy of the tongue and the influence of rehabilitation exercises on the sEMG activity of masticatory muscles. Journal of electromyography and kinesiology : official journal of the International Society of Electrophysiological Kinesiology 2015;25(4):619-28.	Exclusion reason: OMT effects confounded with co-interventions; Obs.: The results of OMT are mingled with the frenulectomy. There was no assessment after surgery (before OMT). No untreated control group either.;
<b>Trawitzki 2011</b>	Trawitzki LVV, Dantas RO, Elias-Junior J, Mello-Filho FV. Masseter muscle thickness three years after surgical correction of class III dentofacial deformity. Archives of oral biology 2011;56(8):799-803.	Exclusion reason: OMT effects confounded with co-interventions; Obs: OMT effects are mingled with those of orthognathic surgery.;
<b>Usumez 2004</b>	Usumez S, Uysal T, Sari Z, et al. The effects of early preorthodontic trainer treatment on Class II, division 1 patients. The Angle orthodontist 2004;74(5):605-9.	Exclusion reason: Wrong intervention; Obs.: Passive appliance only. No associated exercises.
<b>Uysal 2012</b>	Uysal T, Yagci A, Kara S, Okkesim S. Influence of pre-orthodontic trainer treatment on the perioral and masticatory muscles in patients with Class II division 1 malocclusion. European journal of orthodontics 2012;34(1):96-101.	Exclusion reason: Wrong intervention; Obs.: Passive appliance only. No associated exercises.
<b>VélizConcepción 2017</b>	Véliz Concepción OL, Viset Muro L, Grau Ábalo R. Tratamiento del escalón mesial y su influencia en variables morfológicas en niños de cinco años (Parte II). Medicentro (Villa Clara) 2017;21(4):303-08.	Exclusion reason: Not enough information to access OMT effects Obs.: There is no description of the OMT. Besides, the focus was on the appliance.
<b>Wijey 2018</b>	Wijey R. It's time to talk about myofunctional therapy. Australian Dental Practice, Special Report 2018(Query date: 2023-05-16 15:13:582 cites: <a href="https://scholar.google.com/scholar?cites=17378626131389488606&amp;as_sdt=2005&amp;scioldt=0,5&amp;hl=en">https://scholar.google.com/scholar?cites=17378626131389488606&amp;as_sdt=2005&amp;scioldt=0,5&amp;hl=en</a> ).	Exclusion reason: Wrong study design Obs. Narrative review with 2 case reports.
<b>Yamaguchi 1995</b>	Yamaguchi H, Sebata M. Changes in oral functions and posture at rest following surgical orthodontic treatment and myofunctional therapy. Evaluation by means of video recording. The International journal of orofacial myology : official publication of the International Association of Orofacial Myology 1995;21(gsi, 8207532):29-32.	Exclusion reason: OMT effects confounded with co-interventions. Obs.: Results of OMT are mingled with those from the orthodontic treatment.;
<b>Zaghi 2019</b>	Zaghi S, Valcu-Pinkerton S, Jabara M, et al. Lingual frenuloplasty with myofunctional therapy: Exploring safety and efficacy in 348 cases. Laryngoscope investigative otolaryngology 2019;4(5):489-96.	Exclusion reason: OMT effects confounded with co-interventions; Obs.: No description of OMT. The main focus was on the frenuloplasty. The results of OMT are mingled with those from the surgery (the "protocol" was evaluated).
<b>Zhang 2021</b>	Zhang X, He JM, Zheng WY. Comparison of rapid maxillary expansion and pre-fabricated myofunctional appliance for the management of	Exclusion reason: Wrong intervention; Obs.: Passive appliance only. No associated exercises.

Study	Reference	Reason for exclusion
	mouth breathers with Class II malocclusion. European review for medical and pharmacological sciences 2021;25(1):16-23.	