

## 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 1. Search strategies

Database	Search Strategy
<b>MEDLINE</b>  <b>Ovid MEDLINE(R)</b> <b>ALL 1946 to May 15, 2023</b>	<ol style="list-style-type: none"> <li>1. exp Myofunctional Therapy/</li> <li>2. (myofunction* or myotherap*).tw,kf.</li> <li>3. (myolog* and (orofacial* or facial or face or tongue* or soft palate* or palatal or oral or myofa?cial or lip or lips or cheek*)).tw,kf.</li> <li>4. exp Palate, Soft/</li> <li>5. exp Tongue/</li> <li>6. (orofacial* or tongue* or soft palate* or palatal or myofa?cial or lip or lips or cheek*).tw,kf.</li> <li>7. (suck* adj3 (habit* or behavio?r*)).mp.</li> <li>8. ((thumb* or finger* or pacifier* or digit* or soother* or object*1) adj3 suck*).mp.</li> <li>9. fingersucking.mp.</li> <li>10. Sucking Behavior/</li> <li>11. "atypical swallow*".tw,kf.</li> <li>12. or/4-11</li> <li>13. exp Exercise Therapy/</li> <li>14. exercise*.tw,kf.</li> <li>15. speech therap*.mp.</li> <li>16. speech language patholog*.mp.</li> <li>17. musculoskeletal manipulati*.mp.</li> <li>18. manual therap*.mp.</li> <li>19. or/13-18</li> <li>20. 12 and 19</li> <li>21. 1 or 2 or 3 or 20</li> <li>22. animals/ not (animals/ and humans/)</li> <li>23. (veterinary or rabbit or rabbits or animal or animals or mouse or mice or rodent or rodents or rat or rats or murine or hamster* or pig or pigs or piglets or swine or porcine or horse* or equine or cow or cows or cattle or bovine or goat or goats or sheep or lambs or ovine or monkey or monkeys or trout or marmoset\$1 or canine or dog or dogs or feline or cat or cats or zebrafish).ti.</li> <li>24. 22 or 23</li> <li>25. 21 not 24</li> </ol>
<b>Embase</b>  <b>Ovid Embase 1974 to 2023 May 15</b>	<ol style="list-style-type: none"> <li>1. (myofunction* or myotherap*).tw,kw.</li> <li>2. (myolog* and (orofacial* or facial or face or tongue* or soft palate* or palatal or oral or myofa?cial or lip or lips or cheek*)).tw,kw.</li> <li>3. exp soft palate/</li> <li>4. exp tongue/</li> <li>5. (orofacial* or tongue* or soft palate* or palatal or myofa?cial or lip or lips or cheek*).tw,kw.</li> <li>6. (suck* adj3 (habit* or behavio?r*)).mp.</li> <li>7. ((thumb* or finger* or pacifier* or digit* or soother* or object*1) adj3 suck*).mp.</li> <li>8. fingersucking.mp. or sucking/</li> <li>9. "atypical swallow*".tw,kw.</li> <li>10. or/3-9</li> <li>11. exp kinesiotherapy/</li> <li>12. exercise*.tw,kw.</li> <li>13. speech therap*.mp.</li> <li>14. speech language patholog*.tw,kw. or speech disorder/</li> <li>15. musculoskeletal manipulati*.mp.</li> <li>16. manual therap*.mp.</li> <li>17. or/11-16</li> <li>18. 10 and 17</li> <li>19. 1 or 2 or 18</li> <li>20. animal/</li> </ol>

Database	Search Strategy
	21. human/ 22. 20 not (20 and 21) 23. (veterinary or rabbit or rabbits or animal or animals or mouse or mice or rodent or rodents or rat or rats or murine or hamster* or pig or pigs or piglets or swine or porcine or horse* or equine or cow or cows or cattle or bovine or goat or goats or sheep or lambs or ovine or monkey or monkeys or trout or marmoset\$1 or canine or dog or dogs or feline or cat or cats or zebrafish).ti. 24. 22 or 23 25. 19 not 24
<b>Cochrane Library</b>  via Wiley	#1 [mh "Myofunctional Therapy"] #2 myofunction* or myotherap* #3 (myolog* and (orofacial* or facial or face or tongue* or (soft NEXT palate*) or palatal or oral or myofa?cial or lip or lips or cheek*)):ti,ab,kw #4 [mh "Palate, Soft"] #5 [mh Tongue] #6 (orofacial* or tongue* or (soft NEXT palate*) or palatal or myofa?cial or lip or lips or cheek*):ti,ab,kw #7 (suck* NEAR/3 (habit* or behavio?r*)) #8 ((thumb* or finger* or pacifier* or digit* or soother* or object*) NEAR/3 suck*) #9 fingersucking #10 [mh "Sucking Behavior"] #11 atypical NEXT swallow* #12 {OR #4-#11} #13 [mh "Exercise Therapy"] #14 exercise* #15 speech NEXT therap* #16 speech language patholog* #17 musculoskeletal NEXT manipul* #18 manual NEXT therap* #19 {OR #13-#18} #20 #12 AND #19 #21 #1 OR #2 OR #3 OR #20 #22 (veterinary or rabbit or rabbits or animal or animals or mouse or mice or rodent or rodents or rat or rats or murine or hamster* or pig or pigs or piglets or swine or porcine or horse* or equine or cow or cows or cattle or bovine or goat or goats or sheep or lambs or ovine or monkey or monkeys or trout or marmoset* or canine or dog or dogs or feline or cat or cats or zebrafish) #23 #21 NOT #22
<b>Scopus</b>	TITLE-ABS-KEY ( myofunction* OR myotherap* OR ( myolog* AND ( orofacial* OR facial OR face OR tongue* OR "soft palate*" OR palatal OR oral OR myofacial OR myofascial OR lip OR lips OR cheek* ) ) ) OR TITLE-ABS-KEY ( ( orofacial* OR tongue* OR {soft palate*} OR palatal OR myofacial OR myofascial OR lip OR lips OR cheek* OR {atypical swallow*} OR ( suck* W/3 ( habit* OR behavio?r* ) ) OR ( ( thumb* OR finger* OR pacifier* OR digit* OR soother* OR object* ) W/3 suck* ) OR fingersucking ) AND ( exercise* OR {speech therap*} OR {speech language patholog*} OR {musculoskeletal manipul*} OR {manual therap*} ) ) AND NOT TITLE ( veterinary OR rabbit OR rabbits OR animal OR animals OR mouse OR mice OR rodent OR rodents OR rat OR rats OR murine OR hamster* OR pig OR pigs OR piglets OR swine OR porcine OR horse* OR equine OR cow OR cows OR cattle OR bovine OR goat OR goats OR sheep OR lambs OR ovine OR monkey OR monkeys OR trout OR marmoset* OR canine OR dog OR dogs OR feline OR cat OR cats OR zebrafish )
<b>Web of Science Core Collection</b>	TS=( myofunction* OR myotherap* OR ( myolog* AND ( orofacial* OR facial OR face OR tongue* OR "soft palate*" OR palatal OR oral OR myofacial OR myofascial OR lip OR lips OR cheek* ) ) ) OR

Database	Search Strategy
	<p>( TS=( orofacial* OR tongue* OR "soft palate*" OR palatal OR myofacial OR myofascial OR lip OR lips OR cheek* OR "atypical swallow*" OR (suck* NEAR/3 (habit* OR behavior?r*)) OR ((thumb* OR finger* OR pacifier* OR digit* OR soother* OR object*) NEAR/3 suck*) OR fingersucking ) AND TS=(exercise* OR "speech therap*" OR "speech language patholog*" OR "musculoskeletal manipul*" OR "manual therap*" ) )</p> <p>NOT TI=(veterinary or rabbit or rabbits or animal or animals or mouse or mice or rodent or rodents or rat or rats or murine or hamster* or pig or pigs or piglets or swine or porcine or horse* or equine or cow or cows or cattle or bovine or goat or goats or sheep or lambs or ovine or monkey or monkeys or trout or marmoset* or canine or dog or dogs or feline or cat or cats or zebrafish)</p>
<p><b>ProQuest Dissertations &amp; Theses Global</b></p>	<p>noft( ( myofunction* OR myotherap* OR ( myolog* AND ( orofacial* OR facial OR face OR tongue* OR "soft palate*" OR palatal OR oral OR myofacial OR myofascial OR lip OR lips OR cheek* ) ) ) ) OR ( ( orofacial* OR tongue* OR "soft palate*" OR palatal OR myofacial OR myofascial OR lip OR lips OR cheek* OR "atypical swallow*" OR (suck* NEAR/3 (habit* OR behavior?r*)) OR ((thumb* OR finger* OR pacifier* OR digit* OR soother* OR object*) NEAR/3 suck*) OR fingersucking ) AND (exercise* OR "speech therap*" OR "speech language patholog*" OR "musculoskeletal manipul*" OR "manual therap*" ) ) ) NOT noft(veterinary or rabbit or rabbits or animal or animals or mouse or mice or rodent or rodents or rat or rats or murine or hamster* or pig or pigs or piglets or swine or porcine or horse* or equine or cow or cows or cattle or bovine or goat or goats or sheep or lambs or ovine or monkey or monkeys or trout or marmoset* or canine or dog or dogs or feline or cat or cats or zebrafish)</p>
<p><b>LILACS</b></p>	<p>((myofunction* OR myotherap* OR miofunciona* OR mioterap* OR ((myolog* OR miolog*) AND (orofacia* OR facial* OR facias OR face* OR tongue* OR língua OR lengua OR "soft palate*" OR "palato mole" OR "paladar blando" OR palatal OR palatino OR oral* OR bucal* OR bucais OR orais OR myofacial OR myofascial OR mioficia* OR lip OR lips OR labio* OR lábio* OR cheek* OR mejilla* OR cachet* OR bochecha*)) OR ((orofacia* OR tongue* OR língua OR lengua OR "soft palate*" OR "palato mole" OR "paladar blando" OR palatal OR palatino OR myofacial OR myofascial OR mioficia* OR lip OR lips OR labio* OR lábio* OR cheek* OR mejilla* OR cachete* OR bochecha* OR "atypical swallow*" OR "deglutição atípica" OR "deglución atípica" OR (suck* NEAR/3 (habit* OR behavior?r*)) OR ((thumb* OR finger* OR pacifier* OR digit* OR soother* OR object*) NEAR/3 suck*) OR "conducta de succión" OR "comportamento de sucção" OR fingersucking OR "Succión del Dedo" OR "sucção de dedo") AND (exercise* OR exercício OR Ejercicio OR "speech therap*" OR "speech language patholog*" OR fonoterapia OR logopedia OR "musculoskeletal manipul*" OR "Manipulações Muscueloesqueléticas" OR "Manipulaciones Muscueloesqueléticas" OR "manual therap*" OR "terapia manual" OR "terapias manua*"))))</p> <p>AND NOT</p> <p>((veterinary or rabbit or rabbits or animal or animals or mouse or mice or rodent or rodents or rat or rats or murine or hamster* or pig or pigs or piglets or swine or porcine or horse* or equine or cow or cows or cattle or bovine or goat or goats or sheep or lambs or ovine or monkey or monkeys or trout or marmoset* or canine or dog or dogs or feline or cat or cats or zebrafish OR gato OR gatos OR cão OR cães OR cachorro OR cachorro OR perro OR perros OR veterinária OR veterinaria OR coelho OR coelhos OR conejo OR conejos OR rato OR ratos OR ratón OR ratas OR camundongo OR camundongos OR ratones OR roedor OR roedores OR felino OR felinos OR canino OR caninos OR equino OR equinos OR cavalo OR cavalos OR caballos OR caballo OR porco OR porcos OR suíno OR suínos OR cerdo OR cerdos OR ovelhas OR ovelha OR oveja OR cabras OR cabra OR caprino OR caprinos OR vaca OR vacas OR gado OR ganado OR bovino OR bovinos OR murino OR murinos OR macaco OR macacos OR monos OR truta OR trutas OR trucha OR peixe-zebra OR peixes-zebra OR "pez cebrá"))</p>
<p><b>Google Scholar</b></p>	<p>myofunctional OR myotherapies OR (myology AND (orofacial OR facial OR "soft palate" OR palatal OR oral)) OR ((orofacial OR myofascial OR lips OR cheek OR "sucking habits" OR "sucking behaviors" OR fingersucking OR "atypical swallowing") AND (exercises OR "speech therapy" OR "speech language pathology" OR "musculoskeletal manipulation" OR "manual therapies"))</p>