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4 out of 5 Dentists RECOMMEND Sugarfree Gum

HUH???

WHAT ABOUT THE ONE WHO DOESN'T???

Where's the science?

Perception versus Reality

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Science is a systematic enterprise that builds and organizes knowledge in the form of testable explanations and predictions about the universe. The earliest roots of science can be traced to Ancient Egypt and Mesopotamia in around 3500 to 3000 BCE

 Wikipedia

 A branch of knowledge or study dealing with a body of facts or truths systematically arranged and showing the operation of general laws; the mathematical sciences. Systematic knowledge of the physical or material world gained through observation and experimentation.

 Dictionary.com

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Were you taught myths in Dental School?

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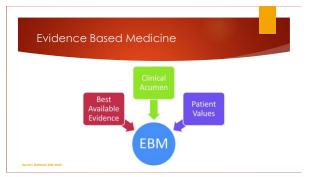








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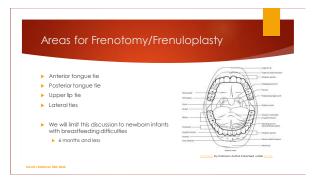


My Baby Can't Feed and I've been told he/she/they has a tongue-tie:

Let's do a Frenectomy!
or
Maybe a Frenotomy
or
Maybe a Frenuloplasty
or
How about some counselling???

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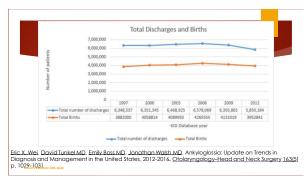


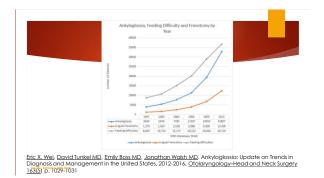












Ankyloglossia by Year

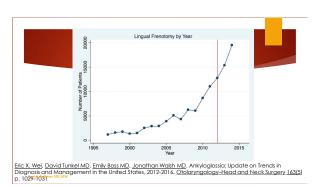
Ankyloglossia by Year

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Efic X. Wei. David Tunkel MD. Emily Ross MD, Jonathan Walsh MD. Ankyloglossia: Update on Trends in Diagnosis and Management in the United States, 2012-2016. Ottolaryngology-Head and Neck Surgery 143(5) p. 1029-1031

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Ankyloglossia and Insurance by Year

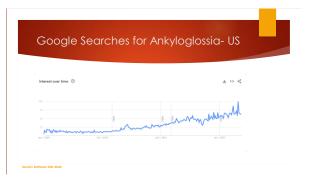
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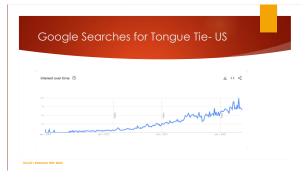
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Ankyloglossia Group							
		Tongue Tie (ICD-9 750.0)		All Discharges			
		N	% [95% CI]	N	% [95% CI]	OR	P value
All discharges		32,837		5850184			
Age group	<1 year	32,458	98.8% [91.1.106.6]	4269984	73.0% [70.7,75.3]		
Sex	Male**	20,872	63.6% [58.6.68.5]	2993781	51.2% [49.3,53.1]	1.67	<0.0001
	Female	11,944	36.4% [33.4,39.3]	2854141	48.8% [47.1.50.5]		
	Medicare	113	0.3% [0.2,0.5]	20659	0.4% [0.3.0.5]	0.97	0.783
	Medicaid**	10806	32.9% [29.6,36.3]	2845288	48.6% [46.6,50.7]	0.52	<0.0001
Payer	Private insurance	19749	60.1% [54.8,65.5]	2550281	43.6% [41.7,45.5]	1.96	<0.0001
	Uninsured	948	2.9% [2.4,3.4]	207468	3.5% [3.3.3.8]	0.81	< 0.0001
	Other	1176	3.6% [3.0,4.2]	211478	3.6% [3.2.4.0]	0.99	0.744
	Missing	46	0.1%	15010	0.316 [0.2.0.4]	0.54	< 0.0001

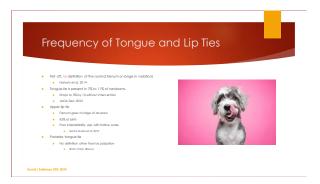


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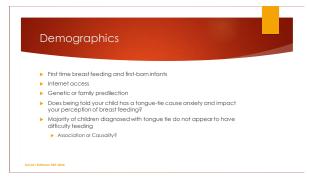






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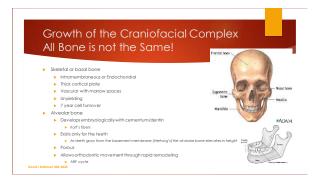












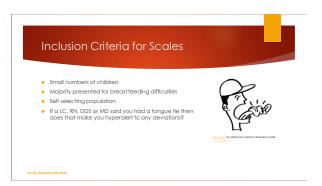


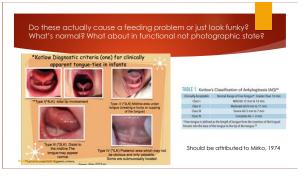




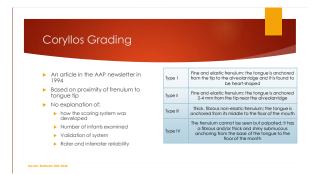


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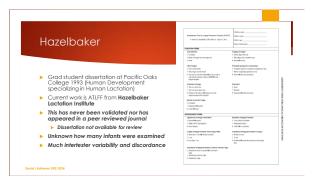


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Questions that should be asked about results of a frenum procedure?

- Do longue-fee couse a problem with infant feeding?
- Toding subjective set proported studies and hying to make them objective
- In the improvement seen the expectation of improvement?
- In the improvement seen the expectation of improvement?
- In the mother/feld dy-day changed other surgical or non surgical intervention?
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- In the mother/feld dy-day changed of the surgical or non surgical intervention?
- In the mother/feld dy-day changed the surgical or non surgical intervention?
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- In the surgical improved intervention and teaching result of the need to committee the plan succided with the procedure?
- In the surgical procedure in the surgical procedure in the procedure in the surgical procedure in the surgical procedure.
- Need to do a one month, three month, six month, one year follow-upon at check if there are any other effects to changes?
- An et the limit only them effects to the dental arches and GAD of the cranicidacid complex
- In the surgical procedure in the surgical procedure in the surgical procedure in the surgical procedure.
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So, Do Frenectomies Improve Breastfeeding?

Berry J, Griffiths M, Westcatt C. A double-blind, randomized, controlled trial of longue-fie division and its immediate effect on breastfeeding. Breastfeed Med. (2012) 7(3):189–93.

Mothes were more likely to report improvement in breast-leeding than were observes following both frenulotry and sham procedure however according to mothes and observes, nearly half of infants who underwent sham procedure were breast-fleeding better.

Amount of pain mothers reported decreased more with frenulotomy than with sham procedure, the differences were not statistically significant.

So, Do Frenectomies Improve Breastfeeding?

- Buryk M, Bloom D, Shope T, Efficacy of neonatal release of ankyloglassia: a randomized trial. Pediatrics. (2011) 128(2):280-8. 10.1542/peds.2011-0077

- Difficulty breastfeeding and Hazelbaker assessment

- Sham v procedure
- Nipple pain and effectiveness of feeding
- Immediate and 2 week assessments
- Pain scores decreased immediately for both groups though more for sx
- Feeding improved immediately in sx but 2 weeks (after both groups had improved.)

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So, Do Frenectomies Improve Breastfeeding?

Frand A, Ingram J, Johnson D, Blair P, Whitelaw A, Copeland M, et al.
Randomised controlled trial of early franctomy in breasted infrants with mild-moderate tengue-lie. Arch Dis Child Felal Neonatal Ed. (2014) 99(3):F189–95.

10,1136

107 children R-16 days and
Ankylogiosia (fixastiboter)
Randomised to femulatomy and routine breat feeding support
8 days, breat feeding efficacy and maternal rippile pain were the same

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Tongue Ties:
Cochrane Review

Surgical release of longue-fie for the treatment of longue-fie in young babies

> Review question: Tongue-fie is a potentially treatable cause of breastfeeding problems - if a baby is tongue-fied and is having feeding difficulties, does releasing the longue-fie heig?

> Background: Tongue-fie is a condition whereby the membrane between the longue and the floor of the mouth is too light or too short. This may cause feeding problems for the baby and/or ripple pain for a breastfeeding mother.

> Study characteristics: Five randomised controlled thick enrolling 302 infants met the inclusion criteria.

New results: no mitant with tangue-fie and feeding difficulties, supical release of the inclusion considering mayore infant feeding but its left by to improve maternal ripple pain. Further research is needed to clarity and confirm this effect.

Quality of evidence: The quality of the evidence is very low to moderate because overall only a small number of studies have looked at this condition, the total number of babies included in these studies was low and some studies could have been better

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Cochrane: Why it is important to do this review

Diagnosis and management of targue-fie remain controversist. It is uncertain within an hylogicalist is congenia and control preparing hardmann of a normal variant.

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Tongue Tie
Cochrane Review

497 studies reviewed
209 remained after duplicates removed
182 excluded because didn't meet quality or inclusion criteria
27 assessed for eligibility
1 study included for qualitative synthesis
5 studies in meta analysis

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Cochrane Review on Tongue Tie The Conclusions

The effect of frenotomy on tongue-fied preterm infants has yet to be studied.
The optimal age to perform frenotomy in infants remains unclear.
The effect of tongue-tie on early infant weight gain and on maternal difficulties in establishing a breast milk supply remains to be clarified.

It has yet to be demonstrated whether frenotomy in breastfeeding infants with tongue-tie and feeding difficulty leads to a longer duration of breastfeeding.

Whether frenotomy is a painful procedure that requires analgesia or an anesthesia has yet to be established, as no study to date has quantified infant pain during and after frenotomy.

There is NO increase in weight gain between a child who has undergone the procedure and one who has not

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Canadian Agency for Drugs and Technologies in Health, 2016 Jun 15

Systematic review

Natlogether, given the minimal harms and probable benefit, fibeit of uncertain magnitude and probable benefit, frenectorny may be a viable treatment aprilion for infants of mothers who wan to breastfeed and are experiencing difficulty

The evidence underlying these conclusions from poor quality NSRs, and does not adequately address the question of whether frenectomy provides a meaningful incremental benefit over other freatments or procedures to improve breastfeeding, particularly in the long-term. Many potential confounders that could have contributed to variation in the observed outcomes were not controlled for."



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Laser Sales in Dentistry The global dental lasers market size was valued at USD 331.7 million in 2022 and is expected to grow at a compound annual growth rate (CAGR) of 7.6% from 2023 to 2030 U.S. Dental Lasers Market Revenue forecast: > 2023: \$352.6 million ▶ 2030: \$589.1 million



Policy on the Management of the Frenulum in Pediatric Dental Patients Recognizing evidence is limited, the American Academy of Pediatric Dentistry supports additional research on the causative association between anti-yolgosisa and breastfeeding difficulties or speech artificultion problems and between hyperplastic labial frenulum and increased risk of caries or periodontal disease due to interference with adequate and hygiene. Further randomized controlled trials and other prospective studies of high methodological quality are necessary to determine the effects of frenotomy/tenectomy. With all surgical procedures, an informed consent is assessment, diagnosis, nature and purpose of proposed freatment, and potential benefits and risks of the proposed treatment, along with professionally-recognized or evidence-based alternative treatment options including no treatment—and their risks. ⁵¹ AMERICA'S PEDIATRIC DENTISTS
THE BIG AUTHORITY ON LITTLE teeth

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Neck musculature developed to hold head steady without support: 4 months
 Movement/Physical Developmental Milestones
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 Movement/Physical Developmental Milestones
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Safety and efficacy of maxillary labial frenectomy in children: a retrospective comparative cohort study. Souther RT. Zoghi S. (salley A. Internetional orthodoritics, 2, June 2022

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And what is the consensus statement of the AAO-HNS (2020)?

Indexly a clinical guideline would be developed to assist practitioners faced with informat and children with prossible analysing instances for developing a multidisciplinary critical grantee guideline.

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