

## BACKGROUND

Breastfeeding and human milk are the standard for infant's nutrition feeding. The effect of tongue-tie on breastfeeding has been controversy. Tongue-tie is a congenital oral condition, an abnormally short thick lingual frenulum, which restricts tongue movement. The diagnosis is primarily based on the appearance of the tongue and its functional disturbances caused by restricted tongue movement. There is no agreement on the clinical criteria for diagnosis, the justification for frenotomy in need to improving breastfeeding. Ultrasound imaging has been employed as a non-invasive technique can be chosen to explore the sucking dynamics disturbed of the breastfeeding infant by tongue-tie.



Figure 1

## CASE PRESENTATION SUMMARY

Healthy male term infant, 12 days old, 2600g, vaginal birth came to the lactation clinic. He was start not feeding well after delivery with birth weight 2800g. The mother experienced with a discomfort and pain nipples. The infant's oral cavity appeared normal, attached well to the breast, the majority of the feeding sucking non-nutritively. Ultrasound examination revealed a weak suck with inability to either nipple or elevate the tongue to the palate, a tight band extending from the proximal insertion of the frenulum to the tip of the tongue was confirmed. A typical presentation of tongue-tie was queried. He was referred to a pediatric surgeon for further assessment of tongue mobility and agreed, frenotomy was performed. Ultrasound imaging of longue movement and measurement have done. Now he was fully breastfeeding with better weight gain.

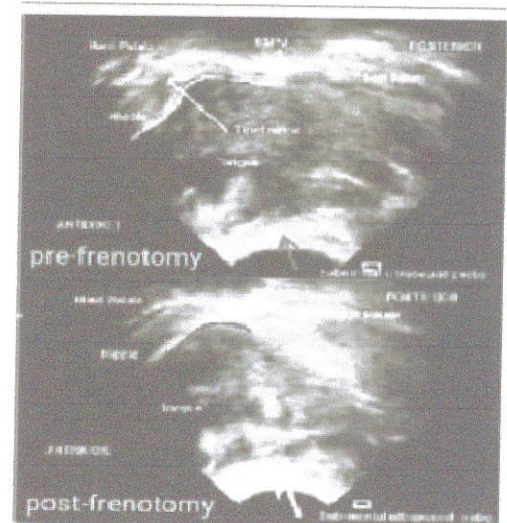


Figure 2

## LEARNING POINTS/DISCUSSION

Ultrasound have potential to provide useful information. This case demonstrate that submental ultrasound imaging successfully identify sucking anomalies in infant with longue-tie. In the assessment of breastfeeding difficulties tongue-tie should be considered as a contributing factor.

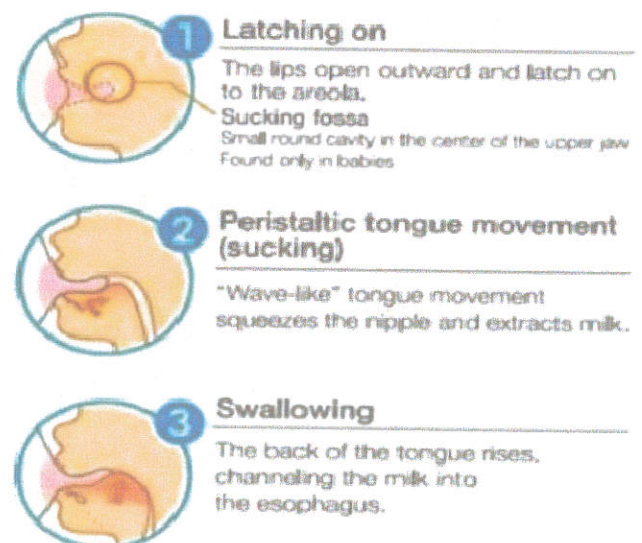


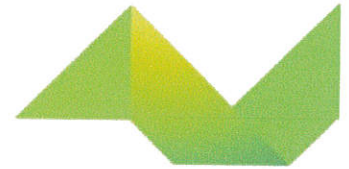
Figure 3



**16<sup>th</sup> Asia Pacific Congress of Pediatrics (APCP) 2018**  
**and**  
**9<sup>th</sup> Annual Scientific Meeting of Indonesian Pediatric Society (ASMIPS)/PIT-IKA 2018**  
25-29 August 2018

**The 6<sup>th</sup> Asia Pacific Congress of Pediatric Nursing (APCPN)**  
27-29 August 2018

Bali Nusa Dua Convention Center (BNDOCC), Nusa Dua - Bali, Indonesia



13 July 2018

Dear Muhammad Reza,

We would like to thank you for submitting your abstract to the 16th Asia Pacific Congress of Pediatrics (APCP), 9th Annual Scientific Meeting of Indonesian Pediatric Society (ASMIPS), and 6th Asia Pacific Congress of Pediatric Nursing (APCPN) to be held in Bali, Indonesia, from 25 - 29 August 2018.

We are pleased to inform you that your abstract with code number of **AB-0741-ON** was selected for POSTER PRESENTATION.

Title of your abstract	: <b>ULTRASOUND FOR SUBMENTAL IMAGING OF BREASTFEEDING INFANT WITH TONGUE-TIE IN NEED FOR FRENOTOMY</b>
Type of session	: Poster Presentation
Your Poster No.	: <b>P-563-XO</b>
Room Name	: East Lobby & Jimbaran Lobby - BNDCC 1

The schedule of Poster Presentation will be uploaded in the website [www.apcp-pitika2018.org](http://www.apcp-pitika2018.org)

Please read the Poster Presentation Guidelines carefully on our website.

Important information:

- If you are not the presenting author of the abstract, please inform The Conference Secretariat and transmit this letter to the presenting author.
- You must present the information written up in the abstract that was accepted.
- If you need a visa for Indonesia, we strongly recommend that you initiate your online application now.
- Should you need an invitation letter for your visa or administrative purposes, please submit your request to [secretariat@apcp2018.org](mailto:secretariat@apcp2018.org)
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Should you have any questions, please contact email [secretariat@apcp2018.org](mailto:secretariat@apcp2018.org)

We look forward to seeing you in Bali.

Yours sincerely,

Scientific Committee  
16th APCP 2018, 9th ASMIPS 2018, 6th APCPN 2018