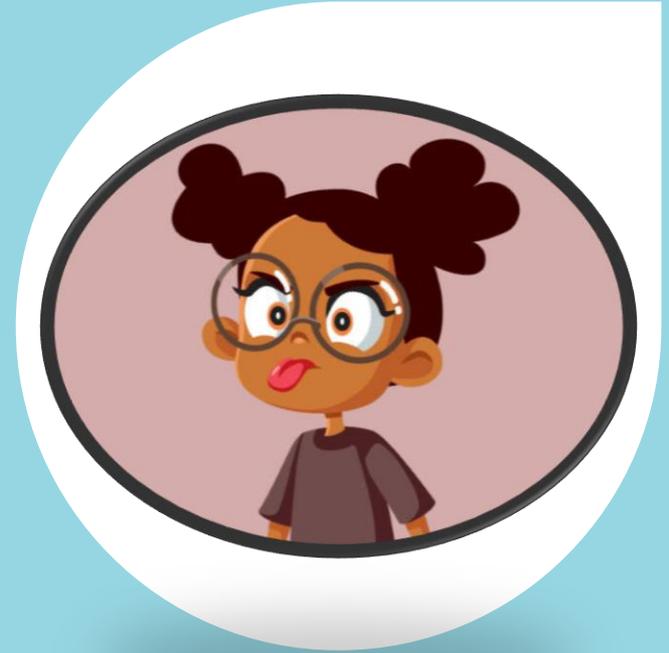


**It's on the tip of my  
tongue !**



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Dr Nancy Laval  
CHC Montlégia

# CASE REPORT :

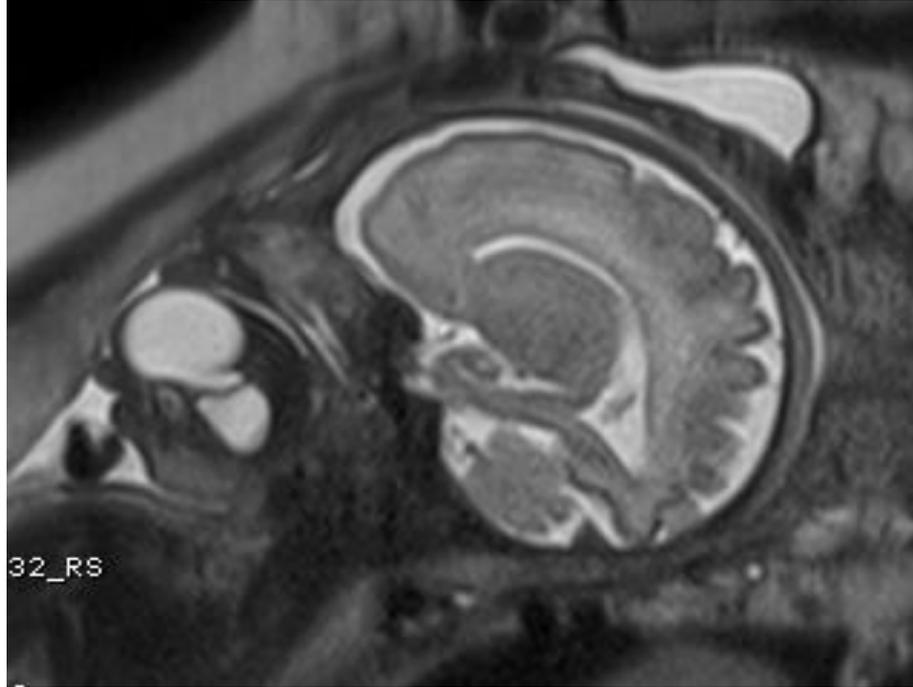
- 26 years - G1P0
- No significant medical history
- Lingual mass found on T2 sonography
- Referred to our center

→ Foetal MRI

**Questions?**



# Foetal MRI



# DIAGNOSIS ?

- 01 Cystic Lymphangioma
- 02 Ectopic or abnormal salivary gland
- 03 Vascular malformation - Hemangioma
- 04 Hamartoma - Teratoma
- 05 Lingual dermoid cyst



... and many others

# WHO WILL BE IN DELIVERY ROOM?



# Birth

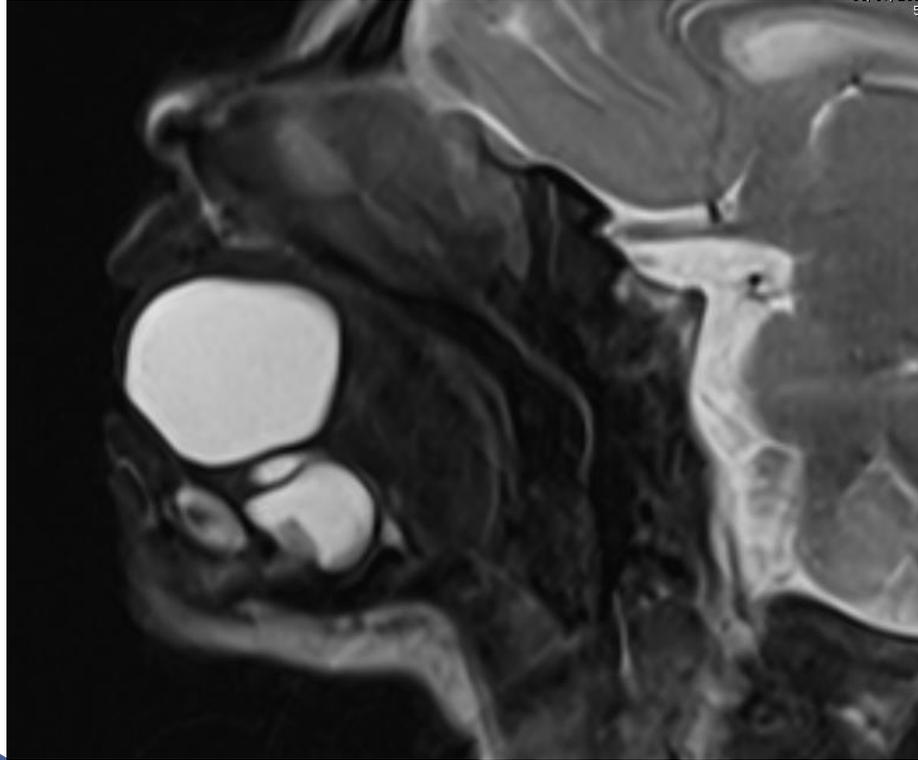


# NEONATAL EVOLUTION



- Apgar 8/9/10 – BW 3200g (P55)
- No difficulty to breathe - no upper airway obstruction
- No difficulty to eat – feeding on bottle
- Soft, depressible, fluctuating mass on right and anterior and inferior part of the tongue
- Discharge on DOL 9
- Medication : Vitamin D
- Additional assessment :
  - Cardiac US – Cranial US – Abdominal US normal
  - Auditory evoked potentials normal
  - MRI

# MRI



# EVOLUTION AT 1 MONTH



- No increase in size
- Feeding well
- Gaining weight : 3475g (P40)
  
- Same aspect of the mass : soft, depressible, fluctuating
- Partial tongue protusion when mouth closed

# EVOLUTION AT 3 MONTHS



- Increased mass : size and volume
- Inability to close the mouth - unsightly appearance
- Good weight gain
- Same appearance - baby plays with mass

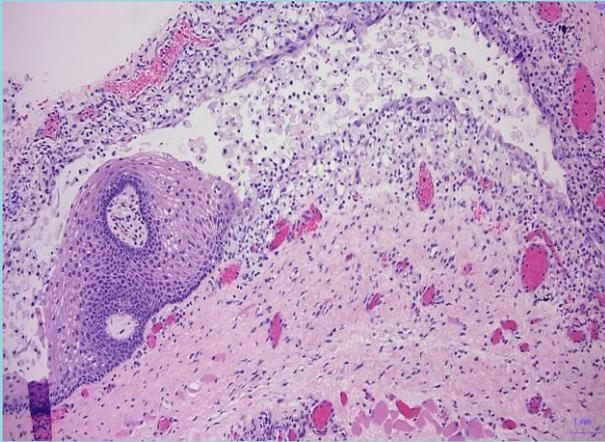
# TIME for SURGERY !



# SURGERY :



# ANATOMOPATHOLGY :



- Cystic-like structure with ruptured wall : 2.5 x 2.2 x 1.2 cm
- Wall 0.1 cm; thin and smooth on the inside.
- Cystic structure with yellowish gelatinous content – mucus inside
- Epithelium sometimes ulcerated and subtended by a few inflammatory elements and histiocytes.
- No part of salivary gland
- Resection is complete.

→ Benign epithelial cyst - completely resected.

## DIAGNOSIS?

**Mucocele of salivary gland = Ranula**

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# DIFFERENTIAL DIAGNOSIS :

## Vascular

- Congenital Hemangioma
- Venous or arteriovenous malformation
- Arterio-venous fistula
- Cystic lymphangioma

## Non-vascular

- Epulis
- Abnormal thyroid gland
  - Lingual thyroglossal duct cyst
  - Lingual ectopic thyroid
- Oral duplication cyst
- Lingual dermoid cyst

## Tumoral

- Ranula (mucocele)
- Oral neurofibroma
- Oral epithelial lesions:
  - Papilloma
  - Fibroepithelioma
- Odontogenic lesions
- Malignant lesions
  - Oral rhabdomyosarcoma
  - Oral lymphoma
  - Oral mesenchymal sarcoma
  - Oral teratoma

## Conditions that mimic oral mass

- Assymetric salivary gland
  - Macroglossia – BW syndrom
  - Frontal encephalocele
  - Cleft lip
-

## TAKE HOME MESSAGES :



- 01 Antenatal counseling – referring center**
- 02 Broad differential diagnosis**
- 03 Multi and Interdisciplinary approach**
- 04 Risks at birth – neonatal evolution**
- 05 Close FUP**
- 06 Timing of surgery**

# THANKS

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## Any questions?

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# REFERENCES

- Karam O, Pfister RE, Extermann P, La Scala GC. Congenital lingual cysts. *J Pediatr Surg*. 2007 Apr;42(4):E25-7.
- Joolay Y, Stewart C. Congenital cystic mass of the tongue *Archives of Disease in Childhood - Fetal and Neonatal Edition* 2011;96:F258.
- Mohta A, Sharma M. Congenital oral cysts in neonates: report of two cases. *Oral Surg Oral Med Oral Pathol Oral Radiol Endod*. 2006 Nov;102(5):e36-8. doi: 10.1016/j.tripleo.2006.03.024. Epub 2006 Sep 1. PMID: 17052622.
- Kennedy KL, Steele J, Cunningham MJ. A Congenital Tongue Mass. *JAMA Otolaryngol Head Neck Surg*. Published online September 21, 2023. doi:10.1001/jamaoto.2023.2911
- Isamade E, Soo C, Efu M. Cannot intubate - cannot ventilate in a neonate due to giant sublingual CYST: a simple approach to airway management. *J West Afr Coll Surg*. 2013 Apr;3(2):89-95. PMID: 25453022; PMCID: PMC4220475.
- Anup Mohta; Mrigank Sharma (2006). *Congenital oral cysts in neonates: Report of two cases.* , 102(5), 0-. doi:10.1016/j.tripleo.2006.03.024
- LOFGREN RH. Respiratory Distress From Congenital Lingual Cysts. *Am J Dis Child*. 1963;106(6):610-612. doi:10.1001/archpedi.1963.02080050612012
- Al-Mahboob A J, Hajr E A, Alammar A (July 18, 2020) Tongue Cyst in a Neonate: Unusual Presentation. *Cureus* 12(7): e9252. doi:10.7759/cureus.9252



# ICON PACK

