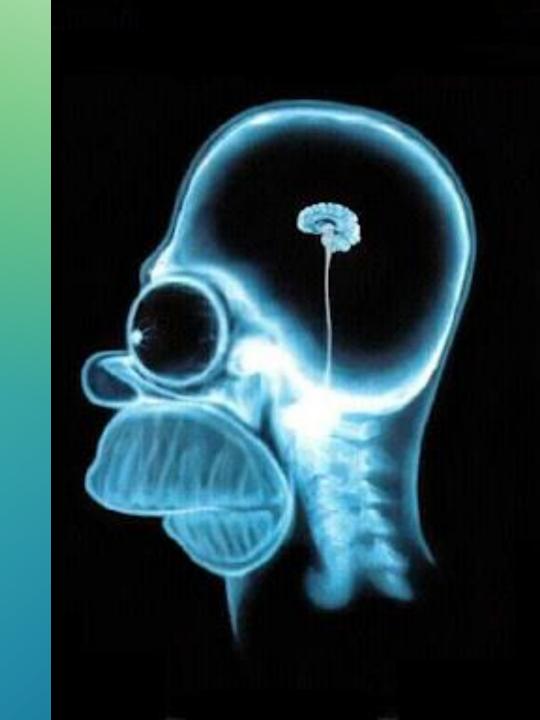
Cerveau hors norme Microcéphalie

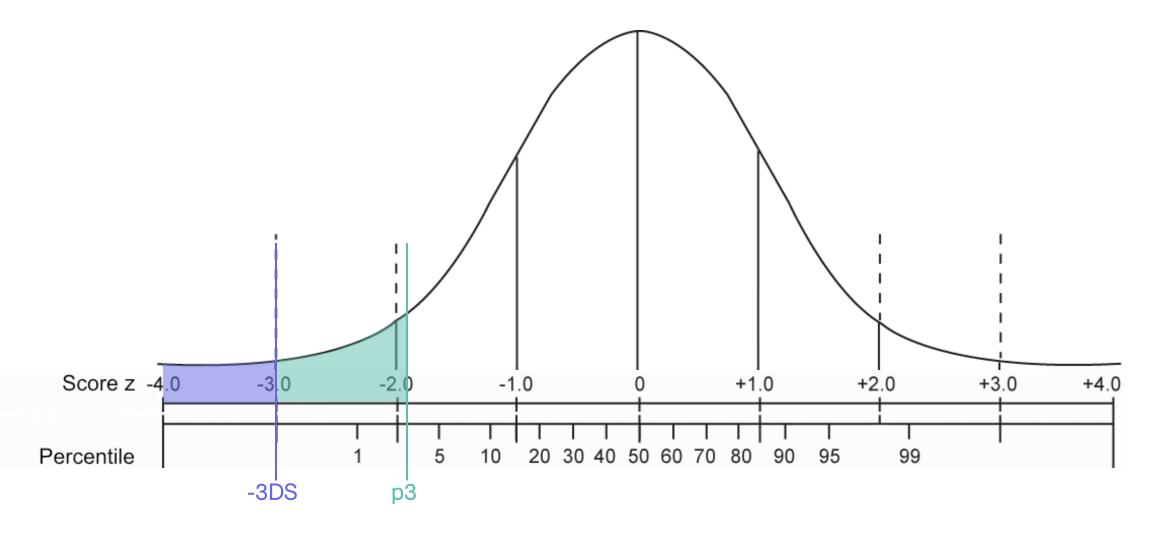
Marie Laterre

15/11/2025



- 1. Définition
- 2. Coupe
- 3. Courbes
- 4. Faible rendement
- 5. Analyse systématique
- 6. Démarche & conclusion

Définition



Définition – calculateur de biométrie foetale

DATE DE LA MESURE DE	LCC en 10ème de mm				
12 V 05 V 2025 V		73,8			
DATE DE L'ECHOGRAPHIE	BIP	PC	PA	FEMUR	
06 V 10 V 2025 V	81.6	294.7	320	61.6	

CALCULER

Date Echo	DDG ROB	DDG IG	BIP	PC	PA	FEMUR	EPF
06/10/2025	22-02- 2025	21-02- 2025	81.6 mm	294.7 mm	320 mm	61.6 mm	2364 grs

34SA + 2J (ROB) / 34SA + 3J (IG)		BIP	PC	PA	FEMUR	EPF
Percentile	Intergrowth	2 P	6 P	92 P	19 P	63 P
	CFEF	6 P	25 P	88 P	7 P	57 P
Z-score	Intergrowth	-2.12	-1.57	1.43	-0.86	0.32
	CFEF	-1.59	-0.67	1.18	-1.49	0.18



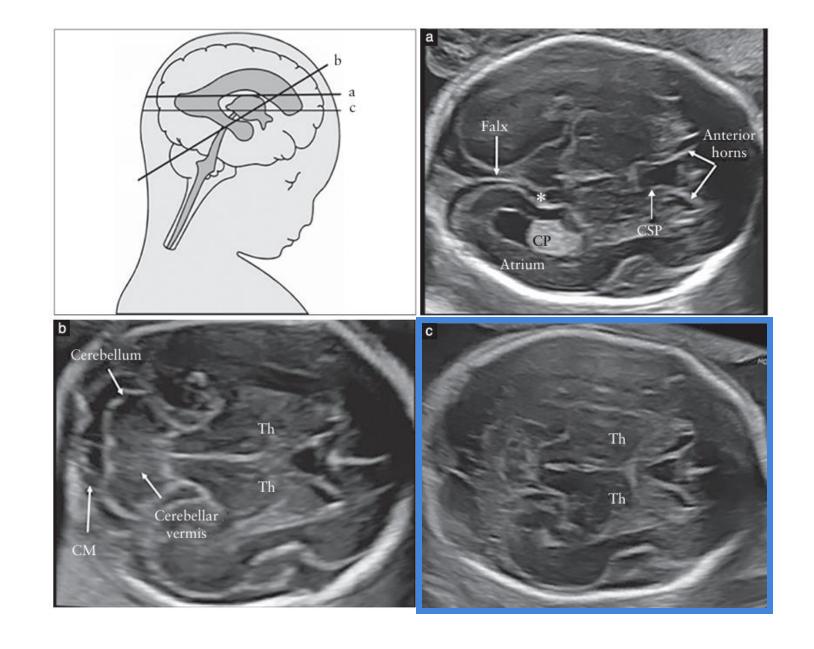
Biométries

Détermination des percentiles et des Z-scores des biométries élémentaires à partir de la LCC selon le référentiel CFEF et Intergrowth 21-st

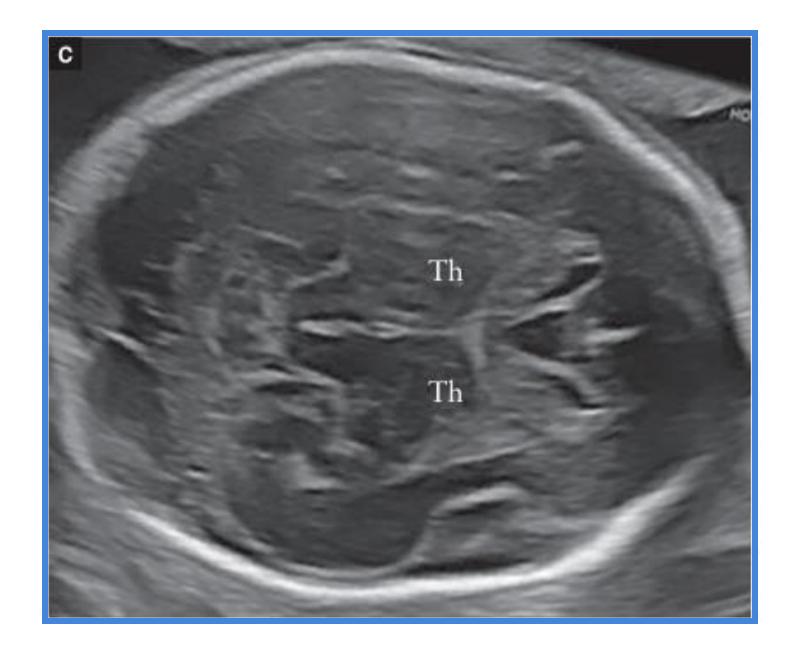
A privilégie

https://www.cfef.org/calculateur_test15.php

Coupe

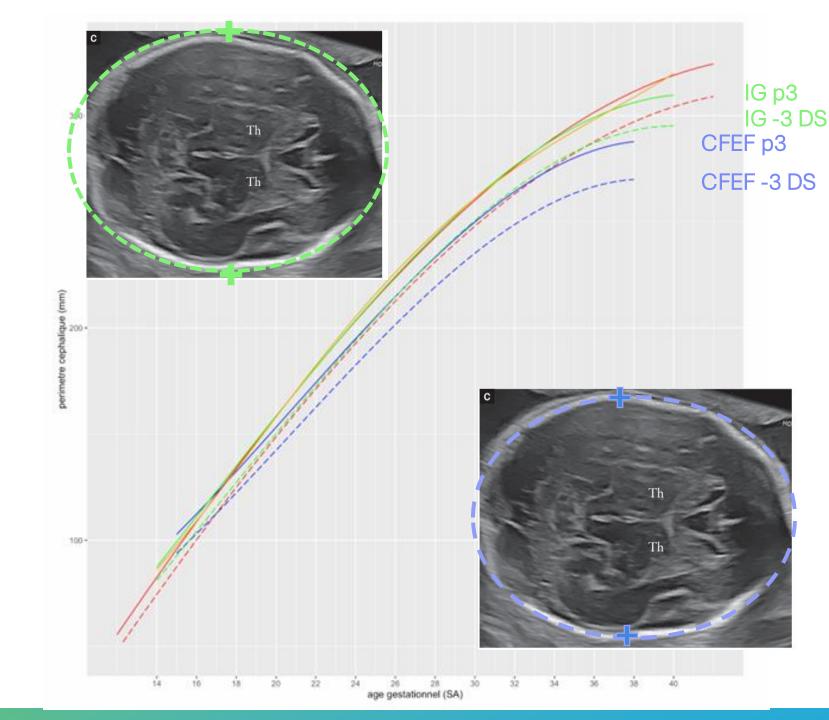


Coupe



Courbes

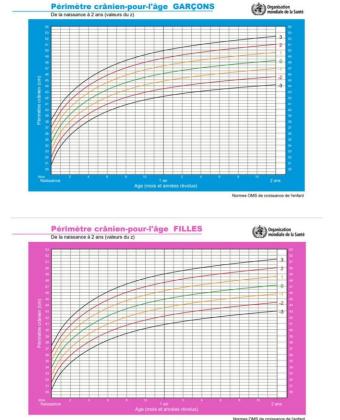
- Callipers
 - CFEF: milieu milieu
 - INTERGROWTH: externe externe
- Type
 - CFEF: courbe descriptive
 - INTERGROWTH: courbe prescriptive

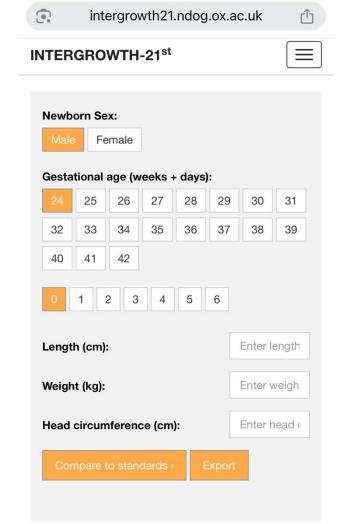


Courbes – VPP 61% IG (56% CFEF)

- Techniques de mesures différentes pré et post- natales
- Courbes de references (adaptées au sexe en post nat)
- Difficultés techniques fin de grossesse
- Microcéphalies postnatales

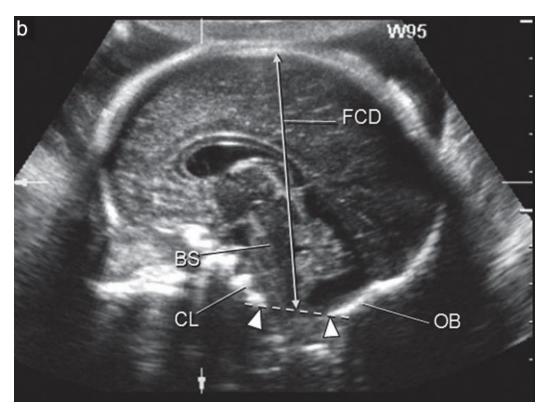




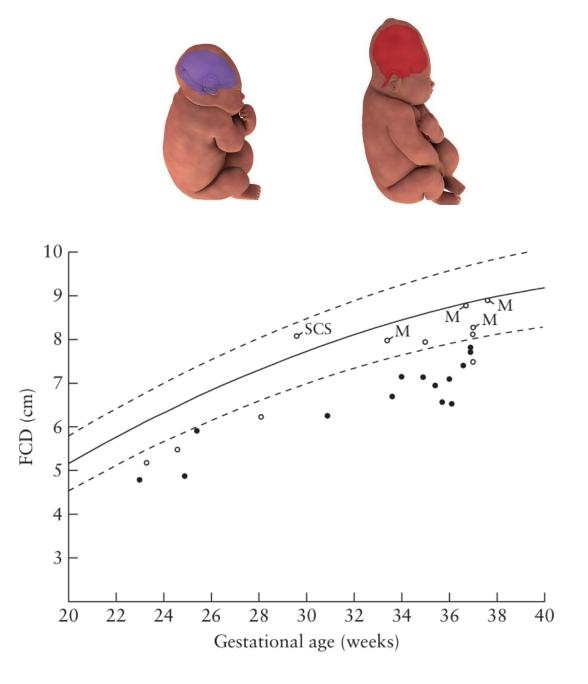


Aides à la précision

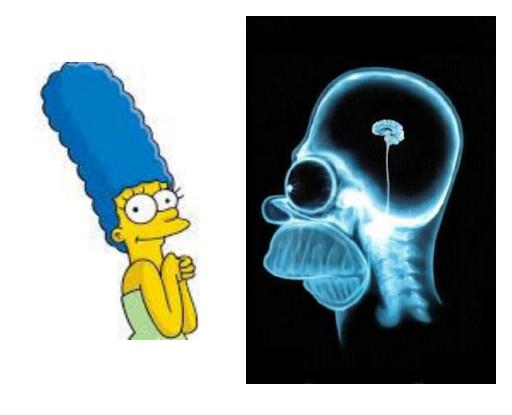
- Surtout pour les petits PC a la T3
- VPP 61% (IG) => 78%



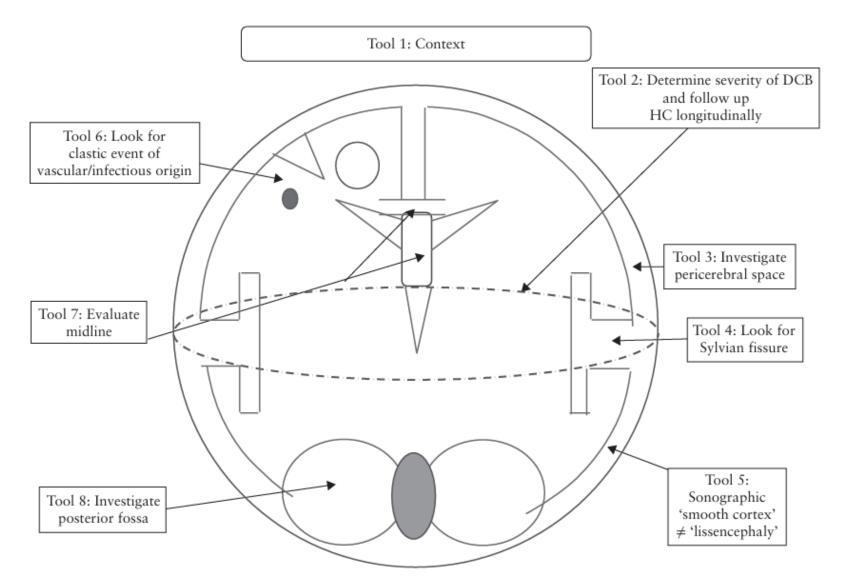
Zvi Leibovitz



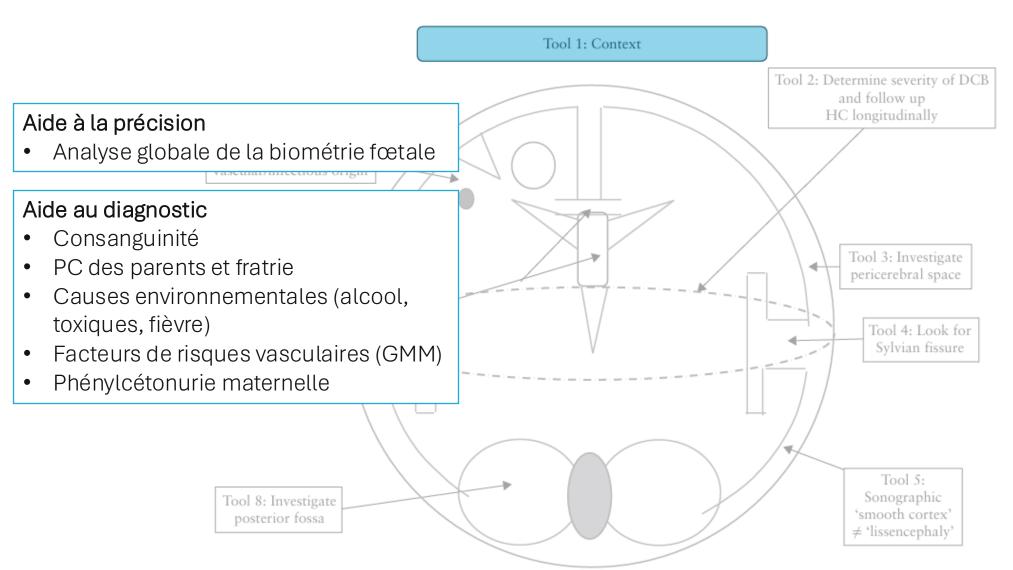
Aides à la précision



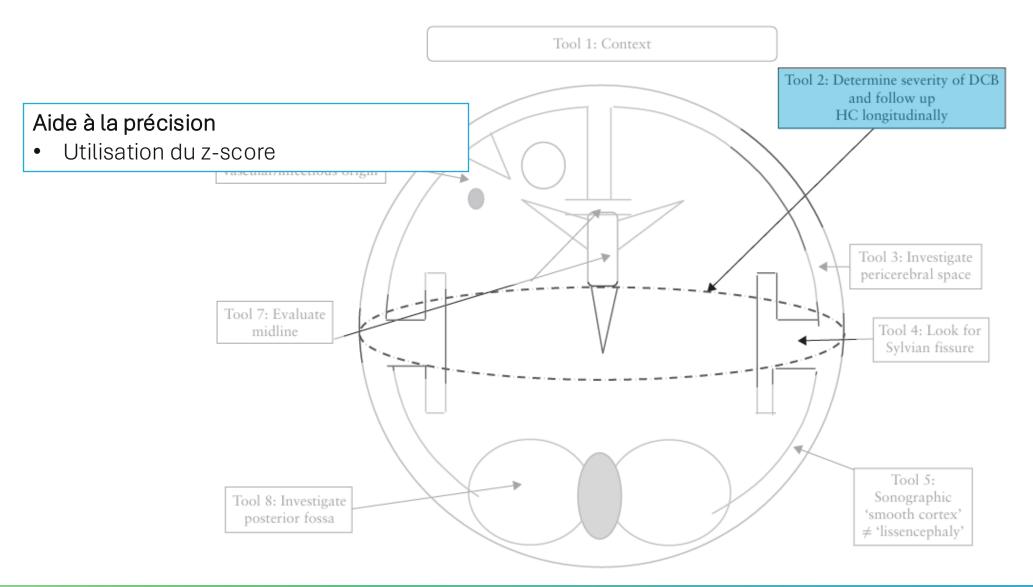
Analyse systématique SNC



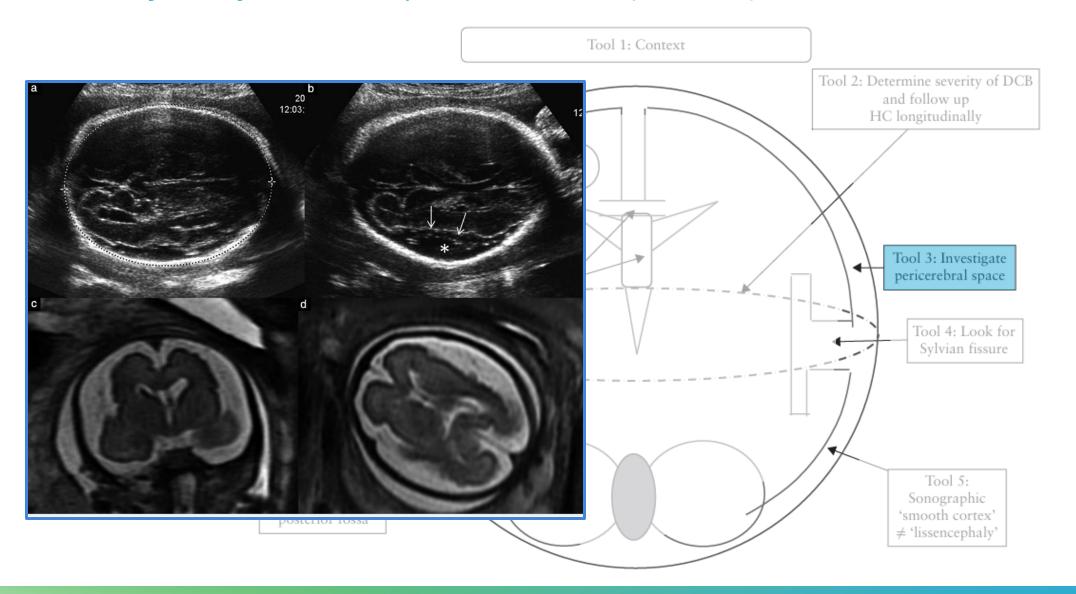
Analyse systématique SNC - Contexte



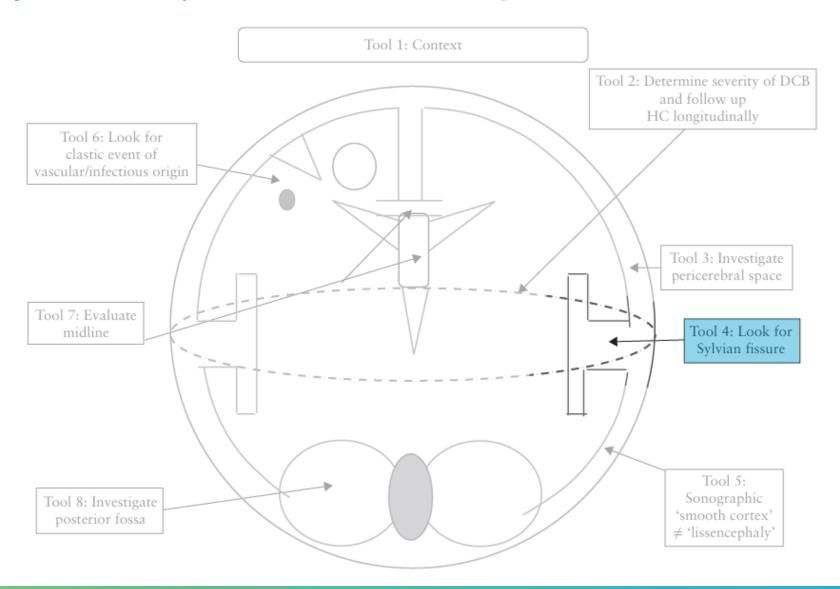
Analyse systématique SNC – Z-Score



Analyse systématique SNC – Espaces péricérébraux

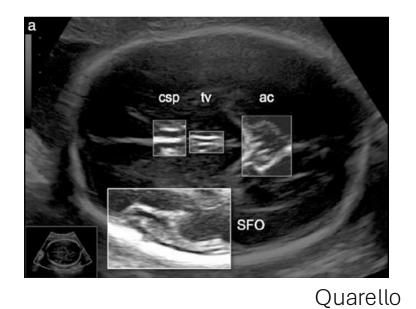


Analyse systématique SNC – Vallée sylvienne

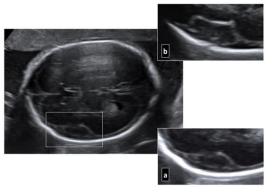


Vallée sylvienne

- Berge postérieure: principale marqueur gyration et maturation cérébrale
 - Anomalie dvpt corticale (lissencéphalie) ou lésions clastiques (polymicrogyrie)
- Berge antérieure: Volume cérébrale (si berge ant émoussée peut révéler une hypoplasie frontale)



(angle 90°)



Mace

20 weeks
(smooth angle)

26 weeks
(posterior half ¼ overridden)

28 weeks
(angle 45°)

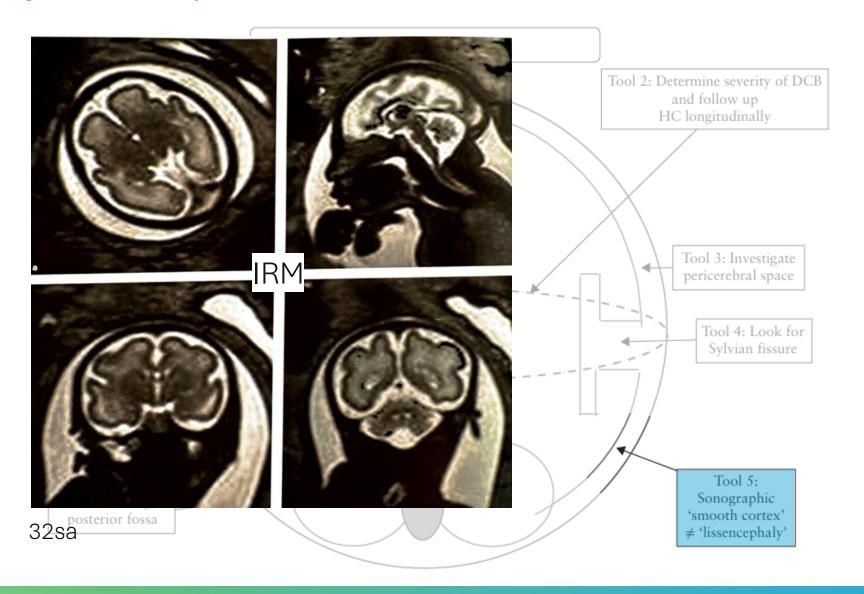
(posterior half ½ overridden)

24 weeks

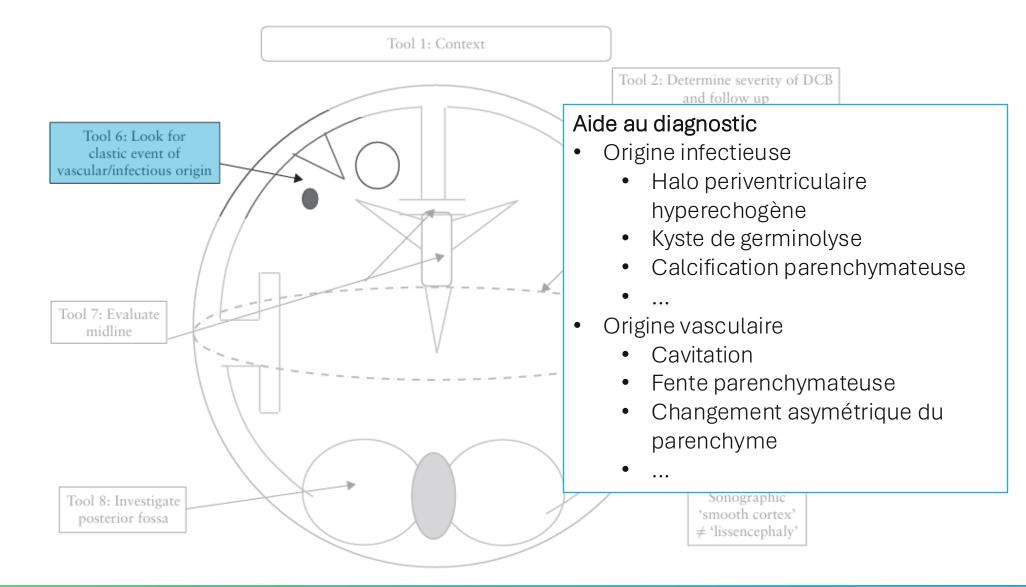
32 weeks

(posterior half completely overridden)

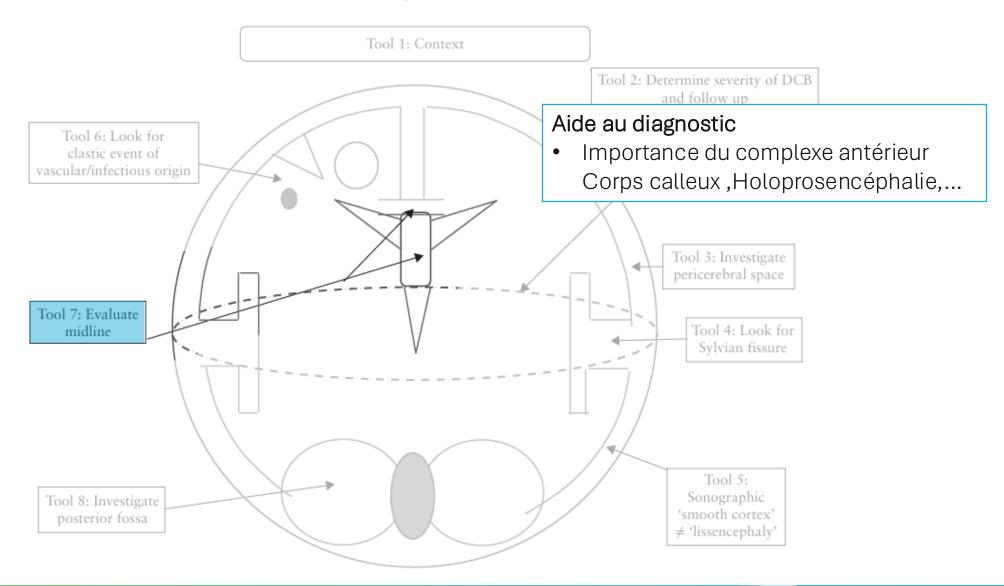
Analyse systématique SNC – "cortex lisse"



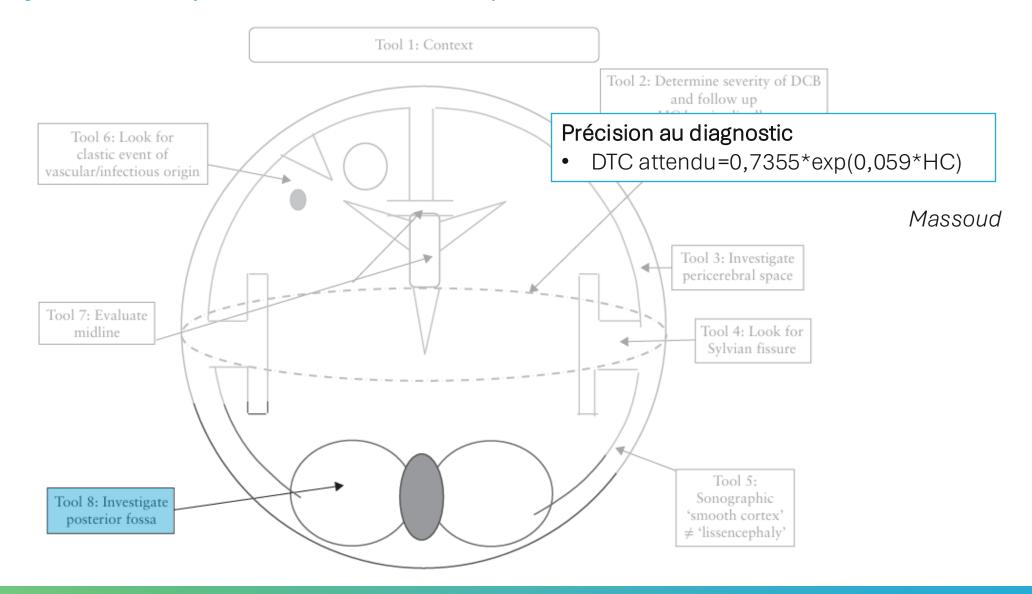
Analyse systématique SNC – évenements clastiques



Analyse systématique SNC – Ligne médiane



Analyse systématique SNC – Fosse postérieure



Démarche & Conclusion

