

Le sillon central comme repère anatomique

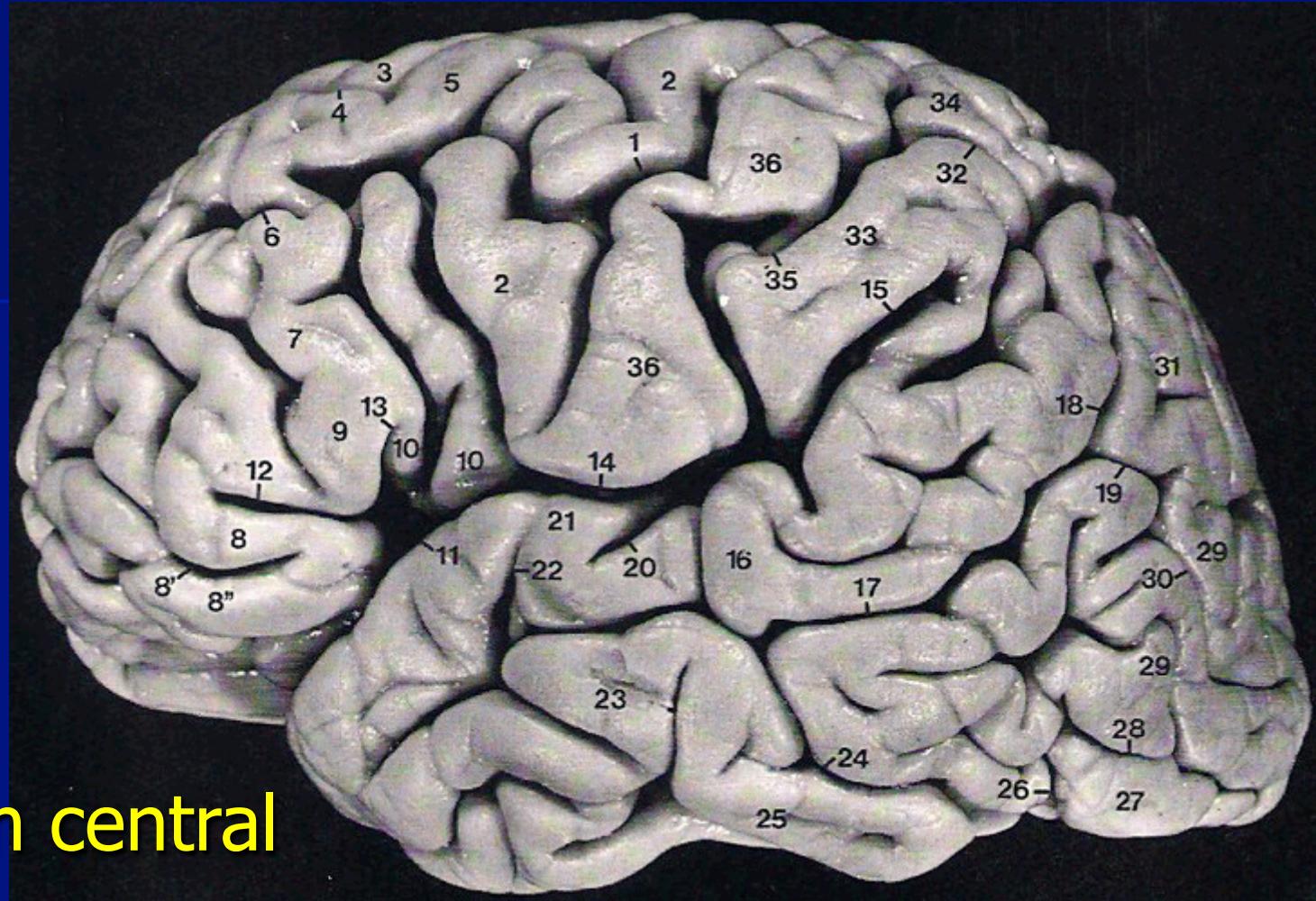
Ph TOURRET

Clinique du MAIL, Grenoble

Journée SFR-RA 24/3/2012

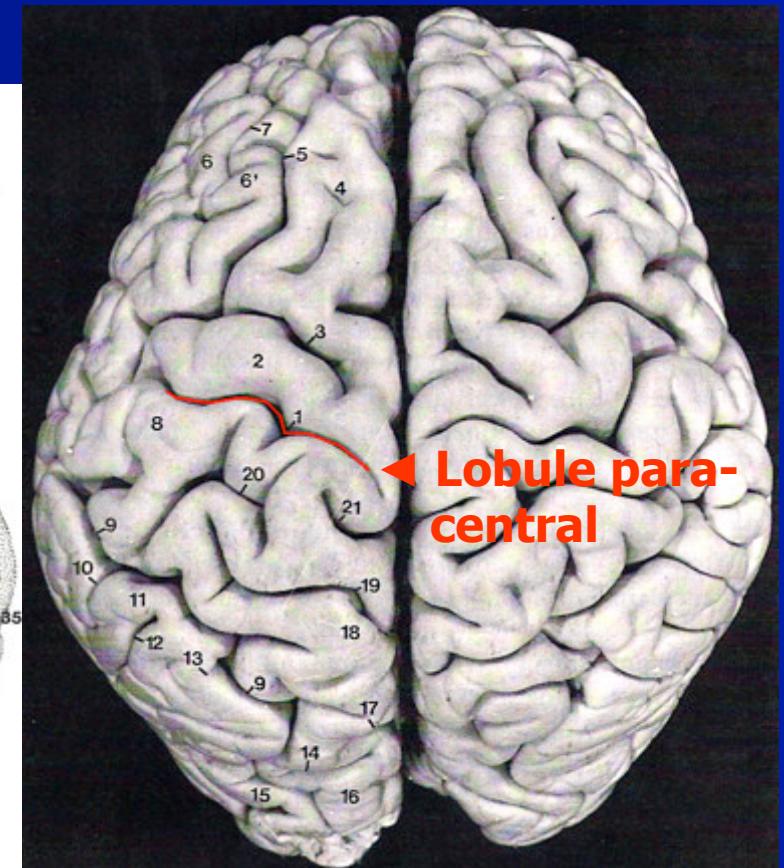
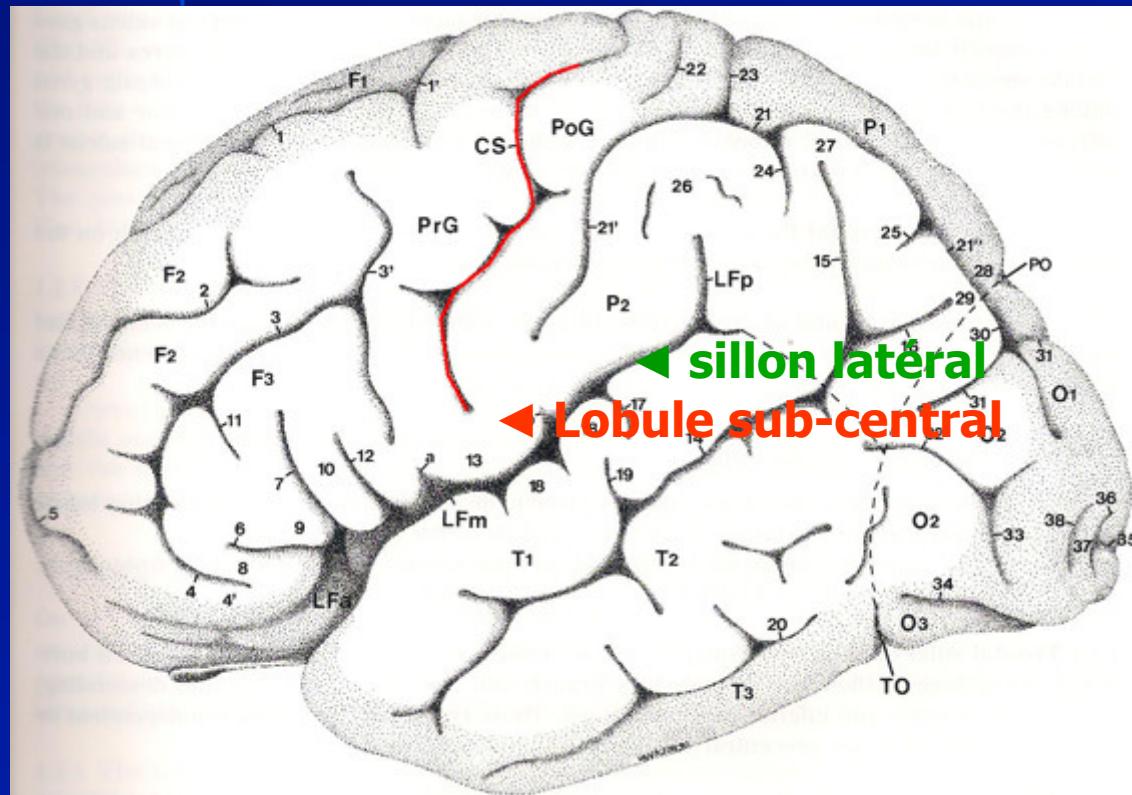
- H. M. Duvernoy. The human brain, surface, blood supply and 3D sectionnal anatomy. Snd Ed., Springer-Verlag, 1999.
- M. Braun. J Radiol. 2000 jun; 81: 704 -16.
- T Naidich. Anatomic relationships along the low-middle convexity. Inter. Jl of Neurorad. 1997, vol3 n5 p393-409.
- S. Cantin. EMC 30-806 A 10: 2011.

Plan

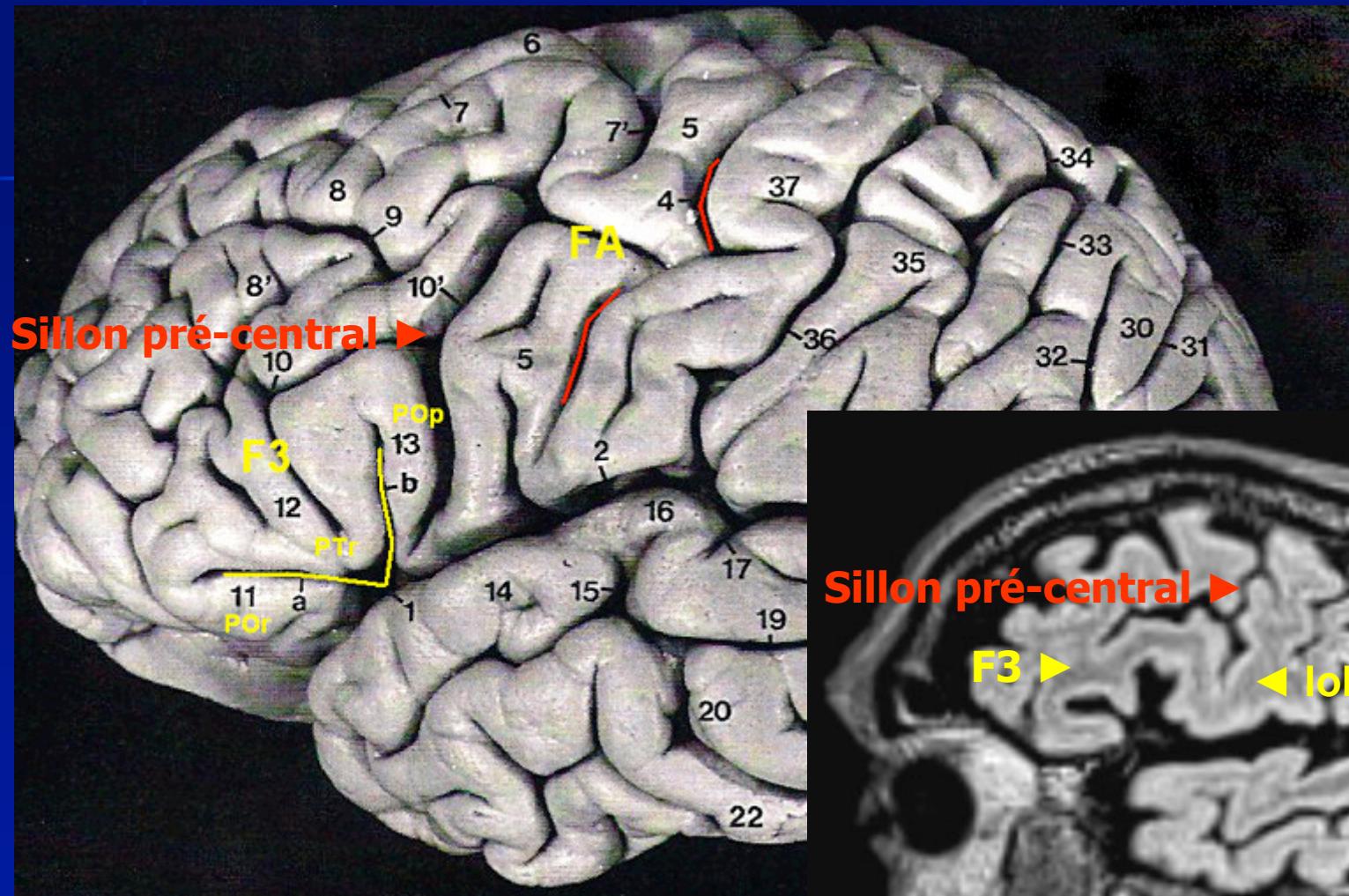


- Le sillon central
- Aires motrices, Broca
- Aires sensitives, Wernicke
- Faisceau arqué, système limbique

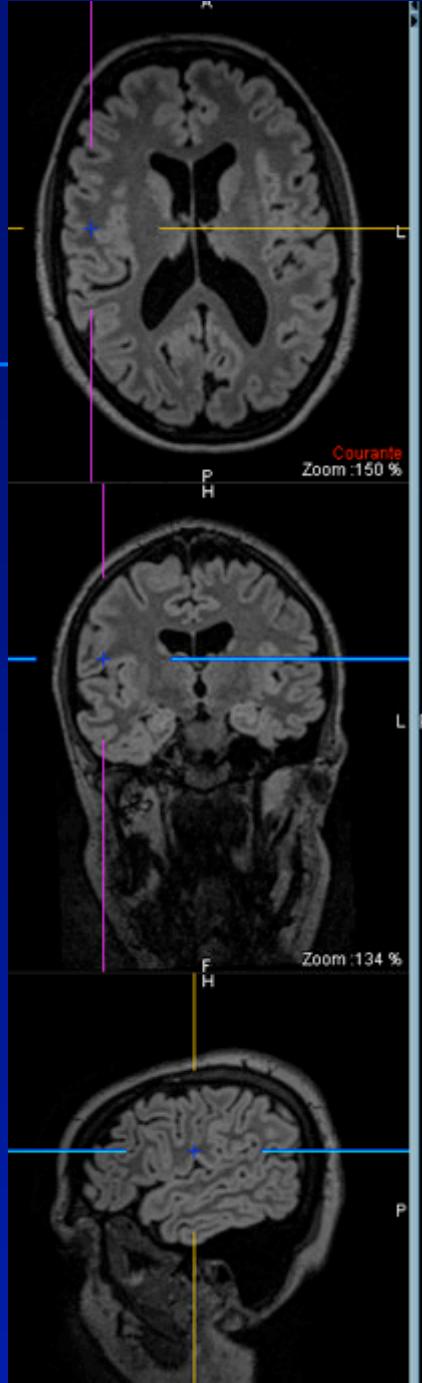
Le sillon central (scissure de Rolando)



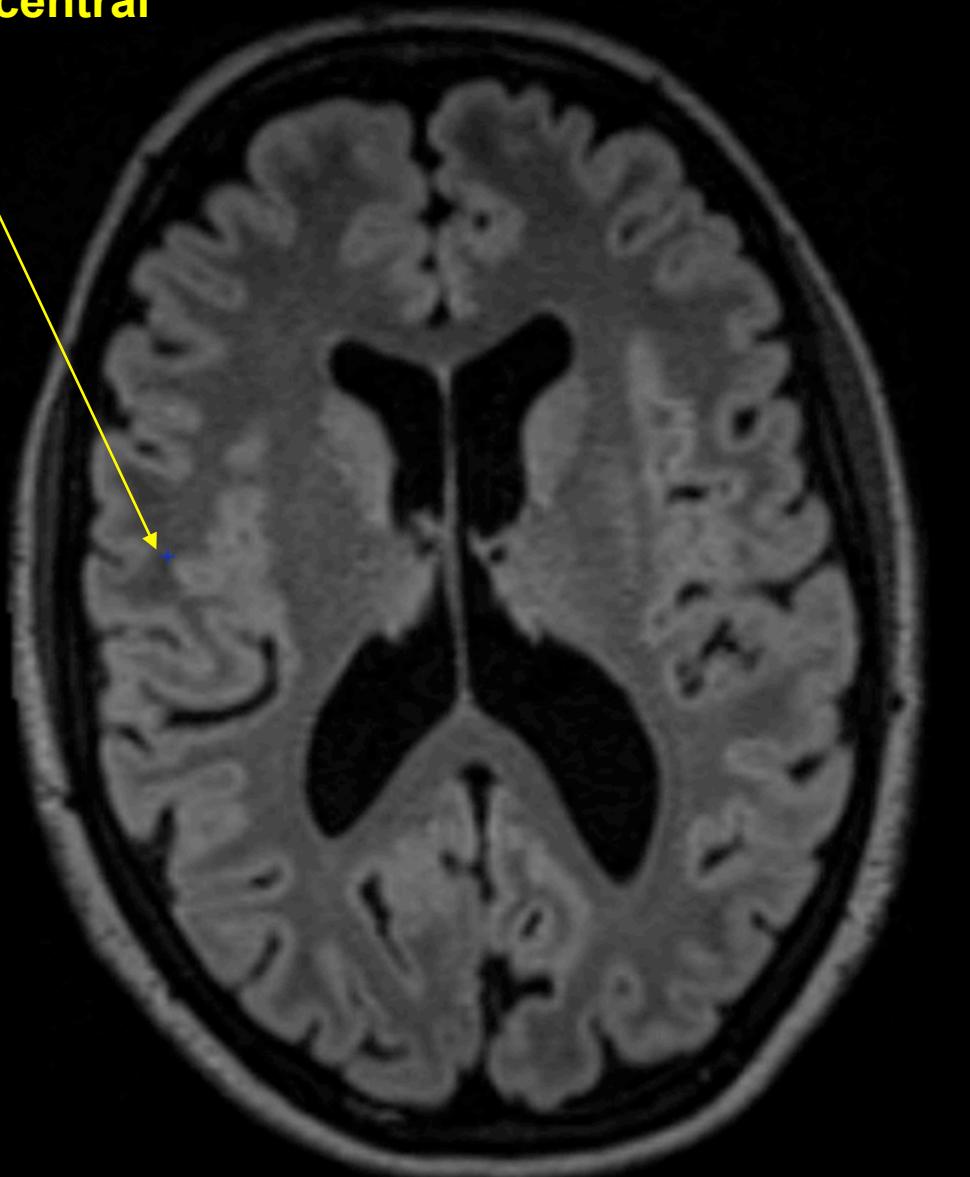
■ latéralement



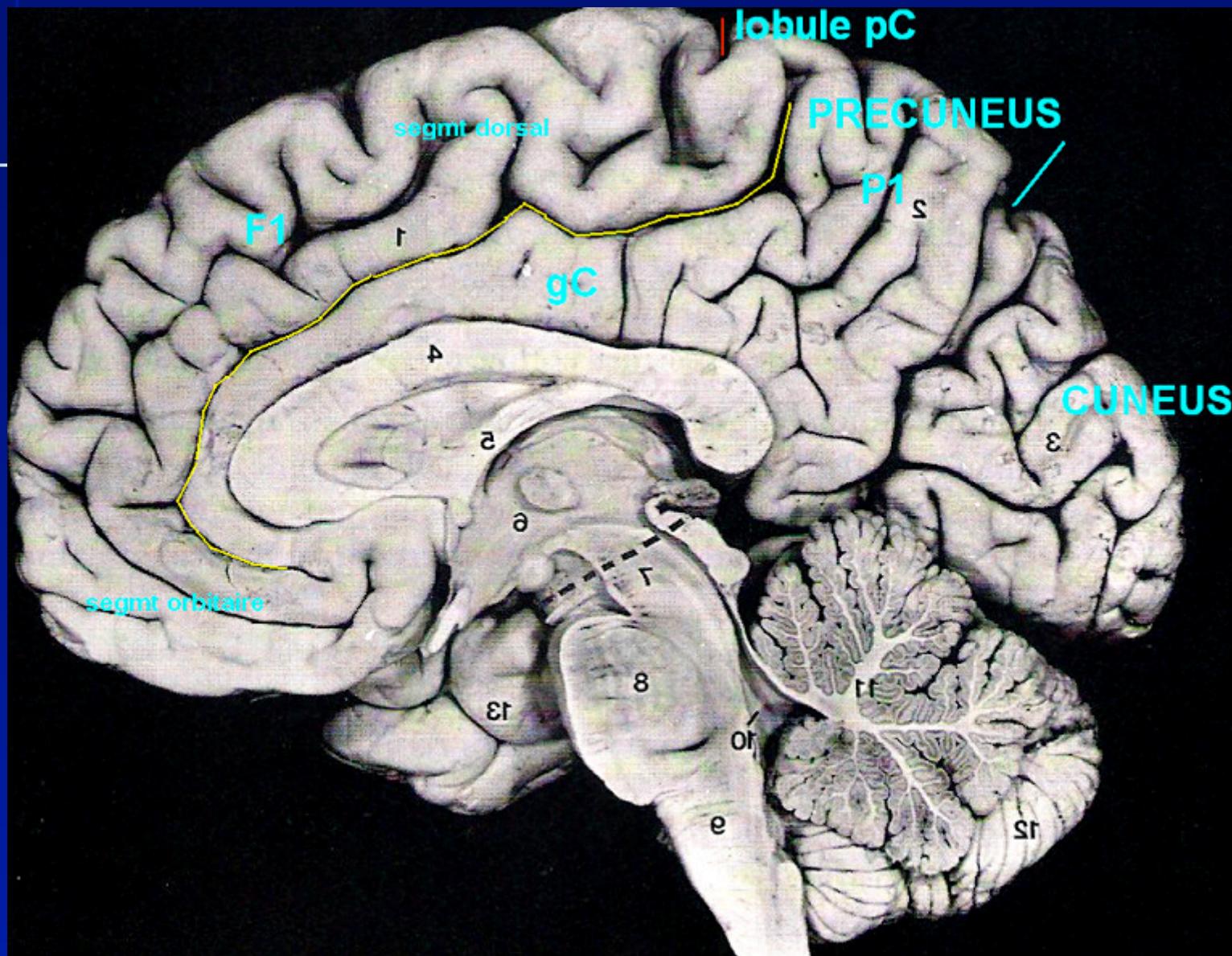


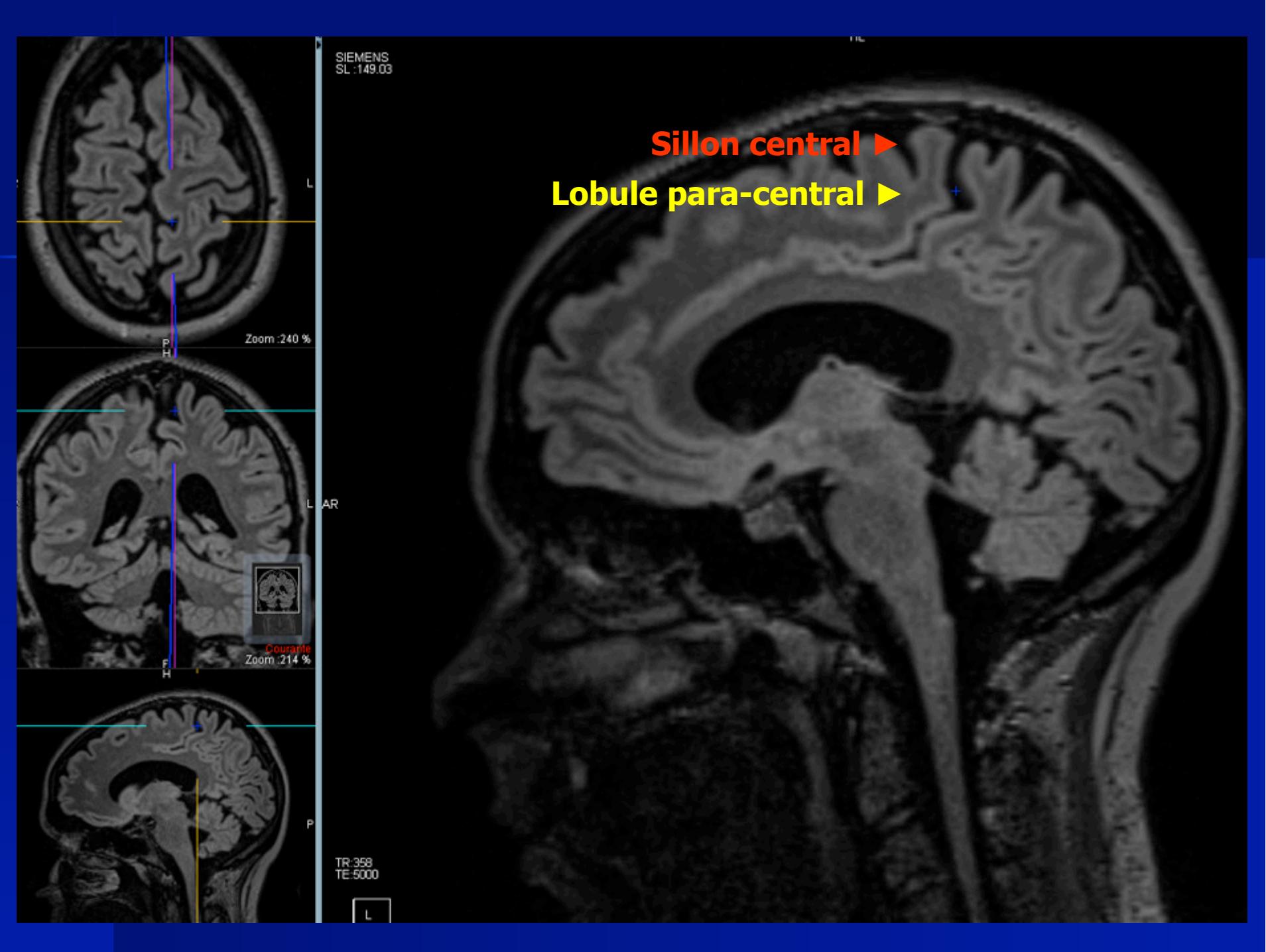


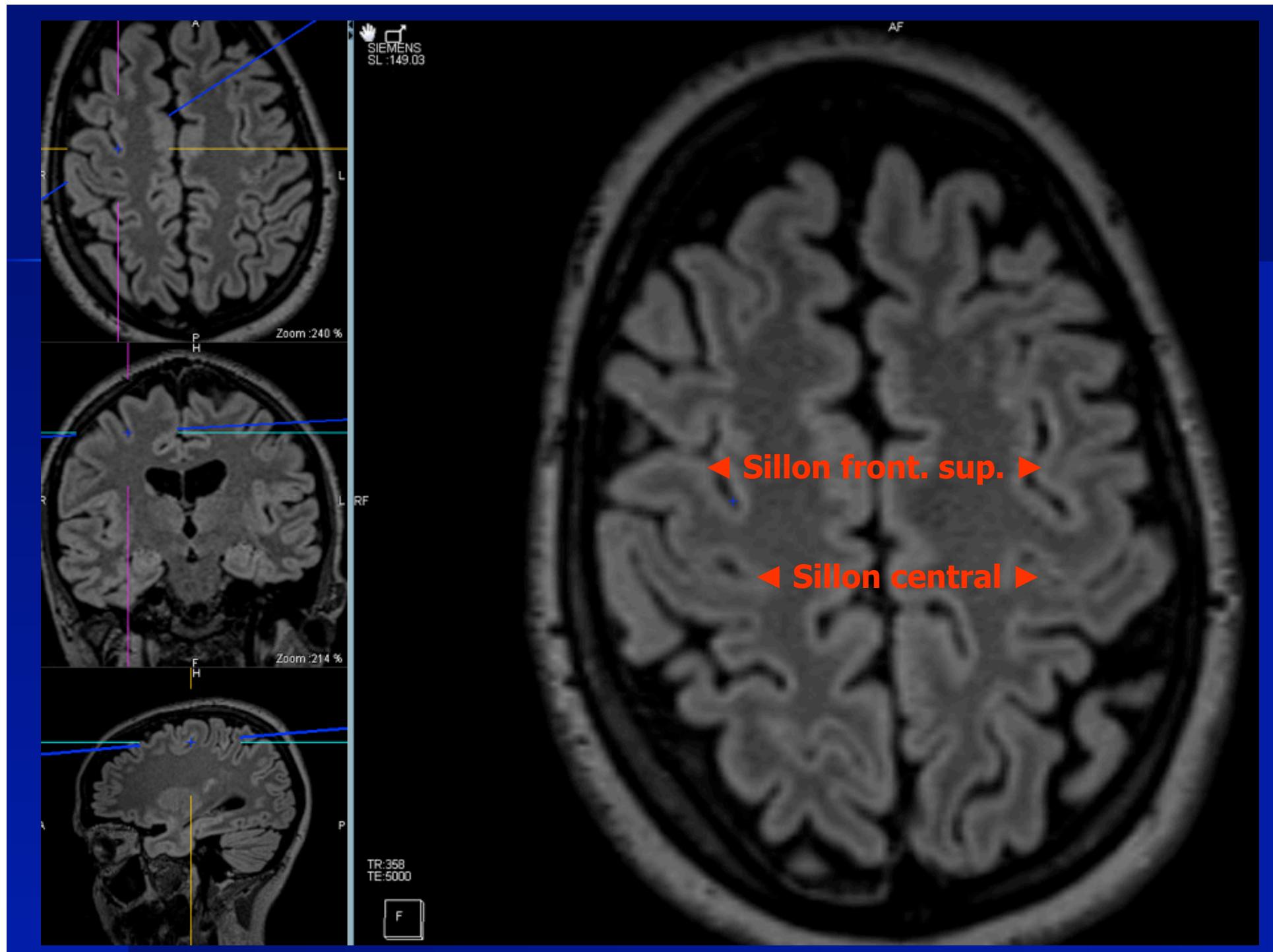
lobule sub-central



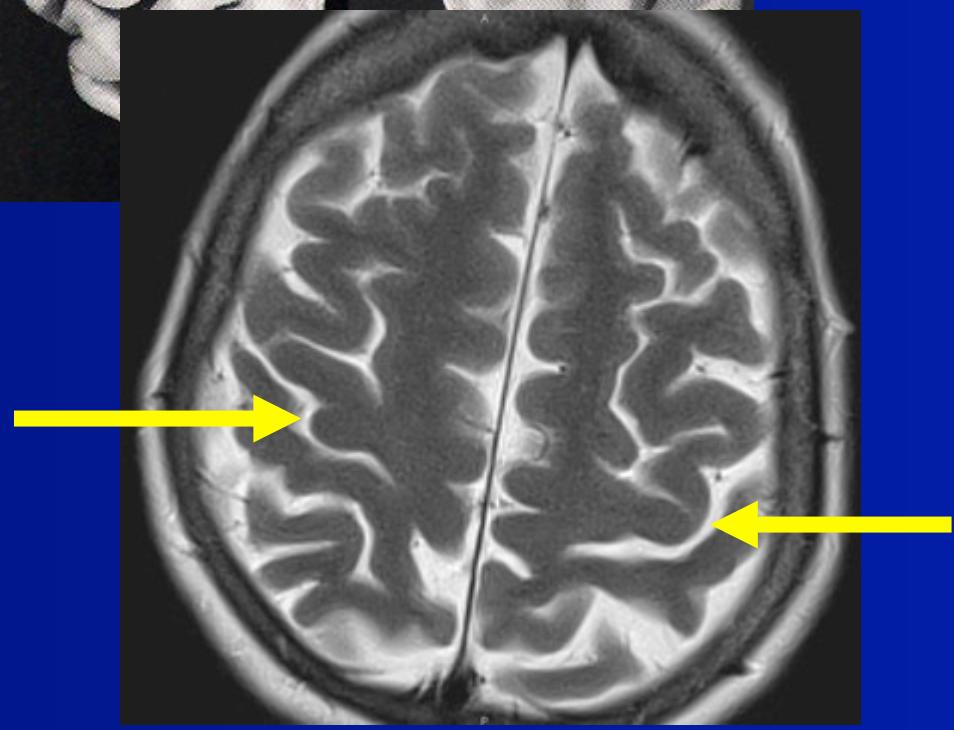
■ médialement

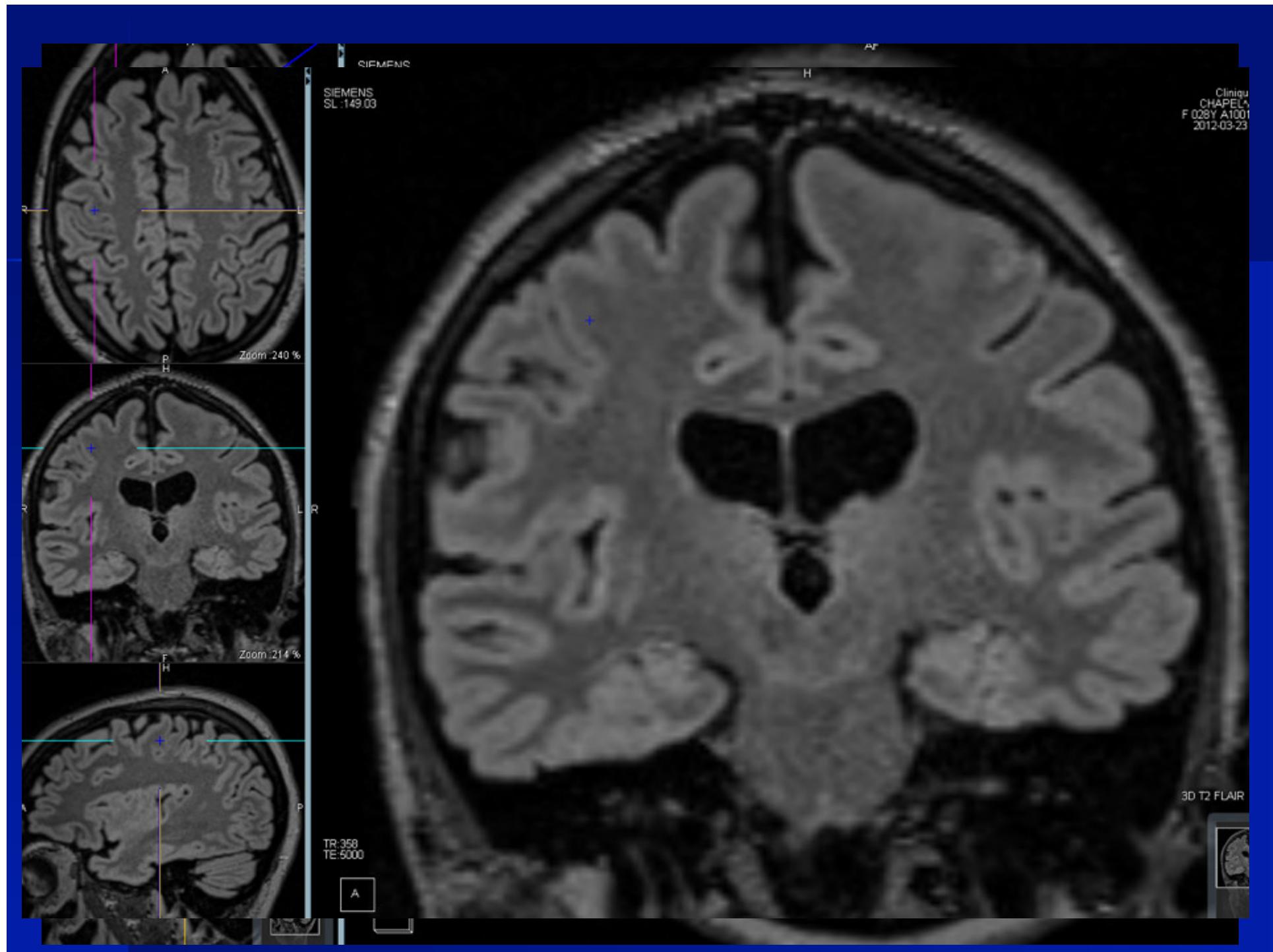






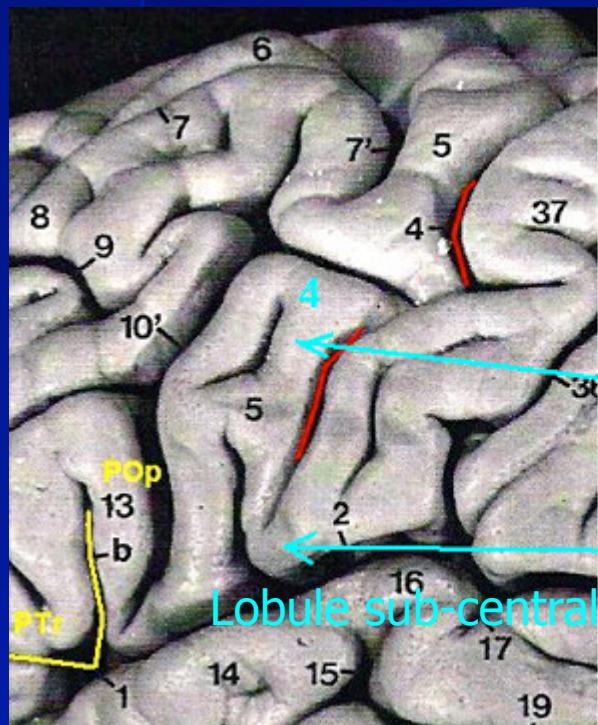
■ Le « hook »





Cortex moteur primaire (M1)

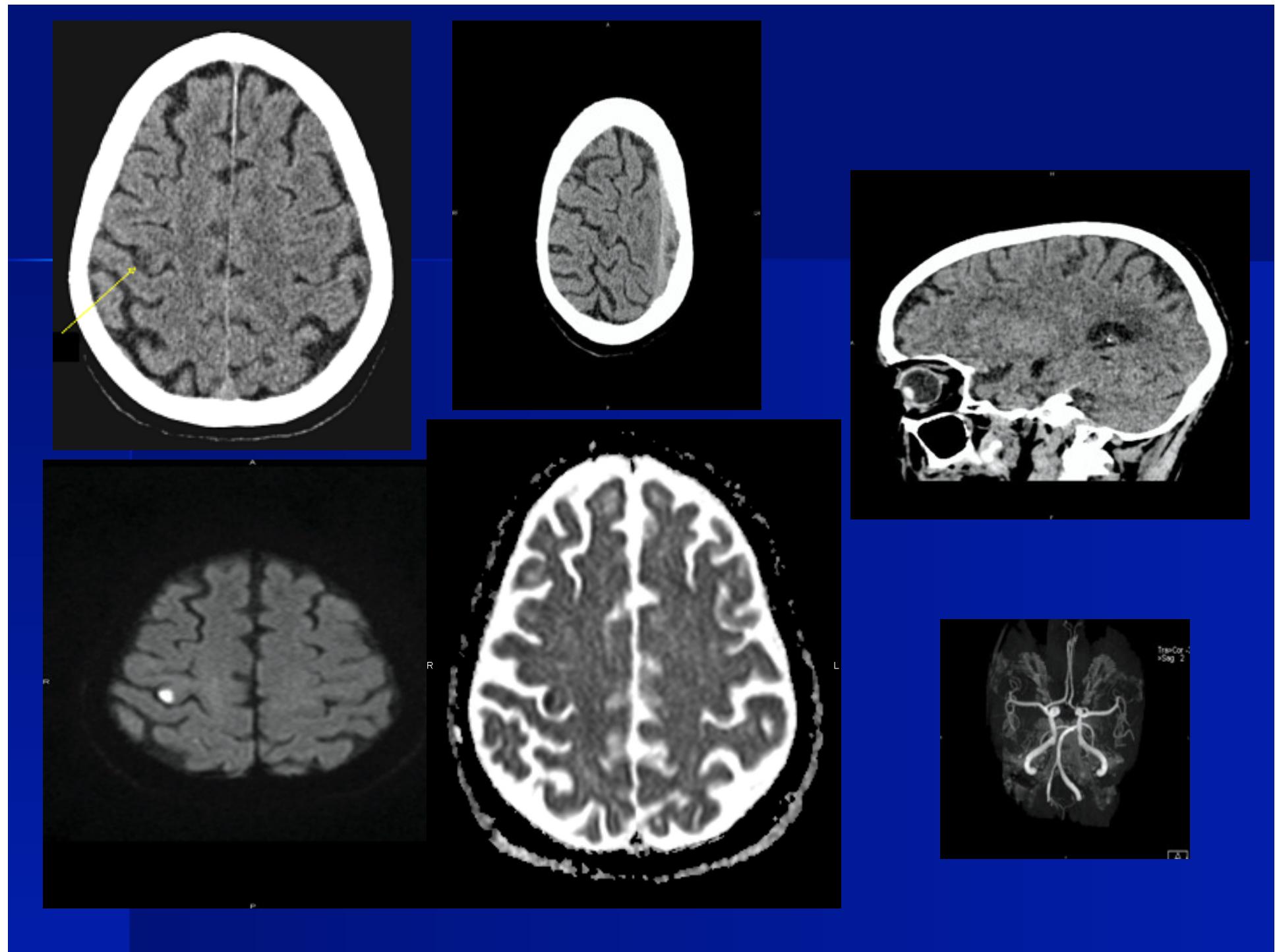
■ aire 4 de Brodmann

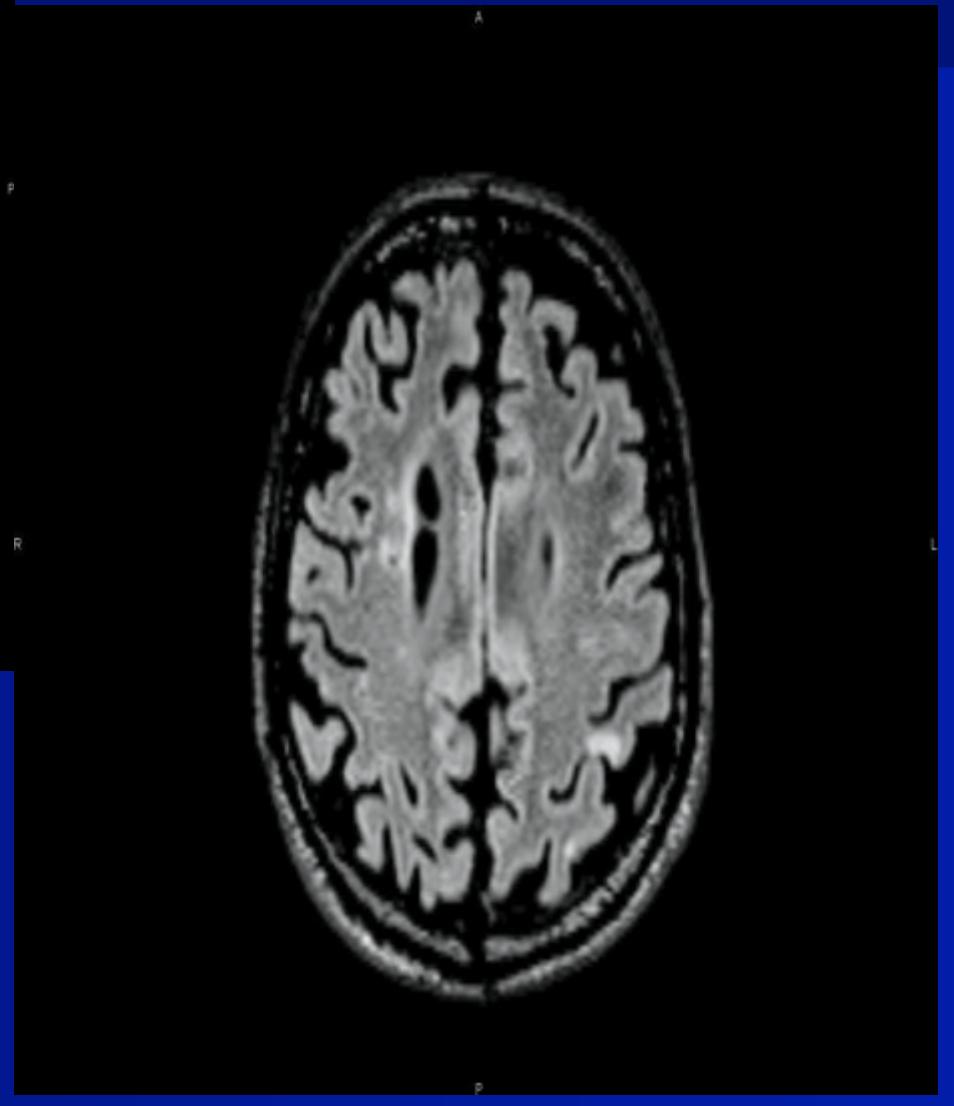
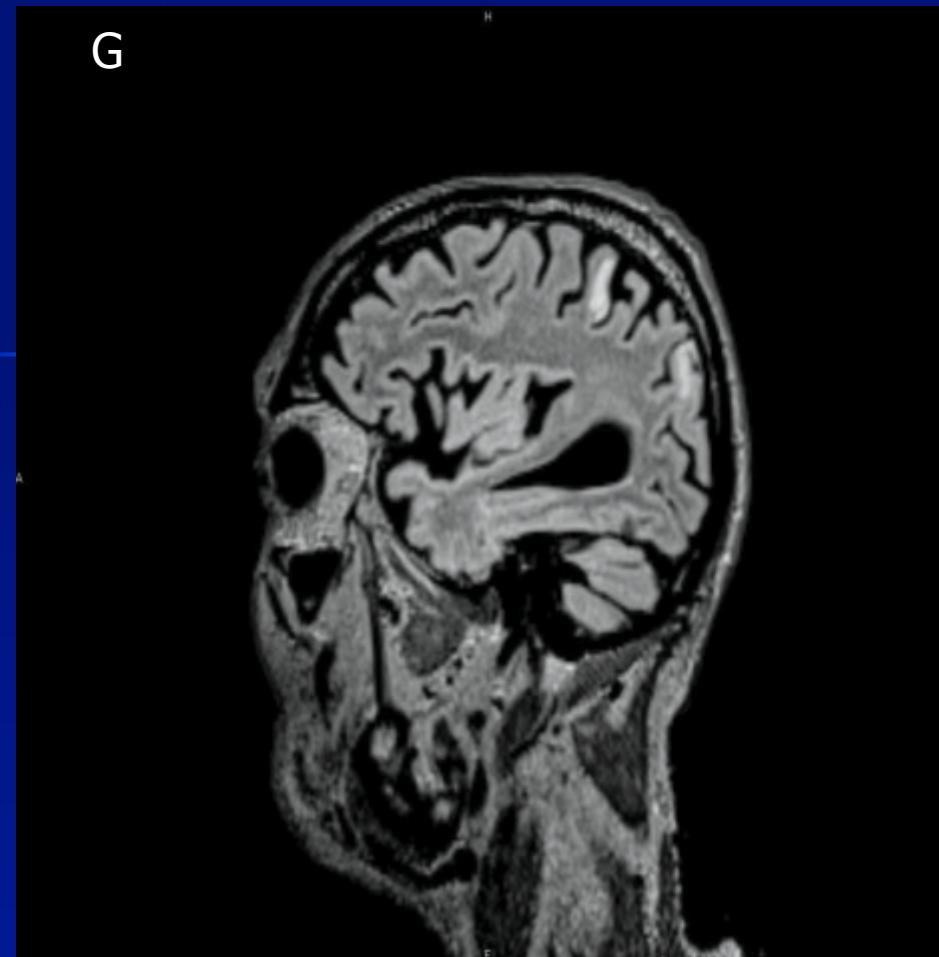


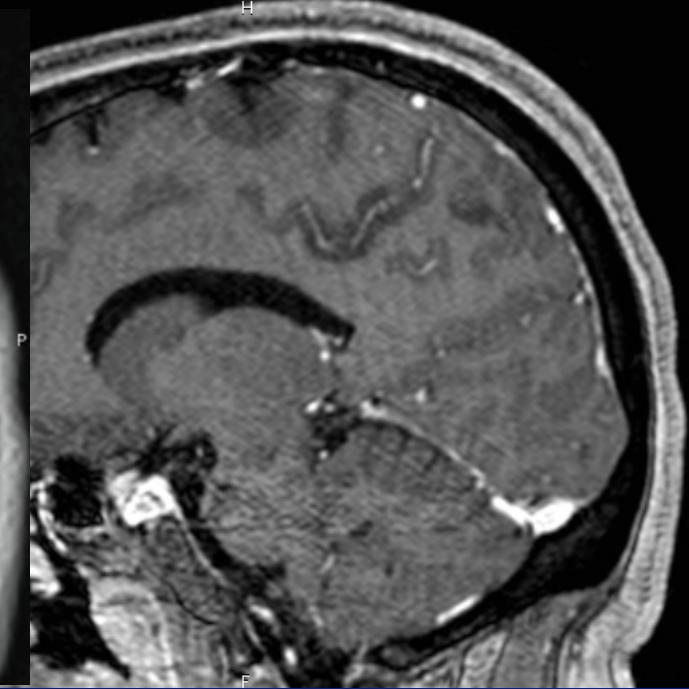
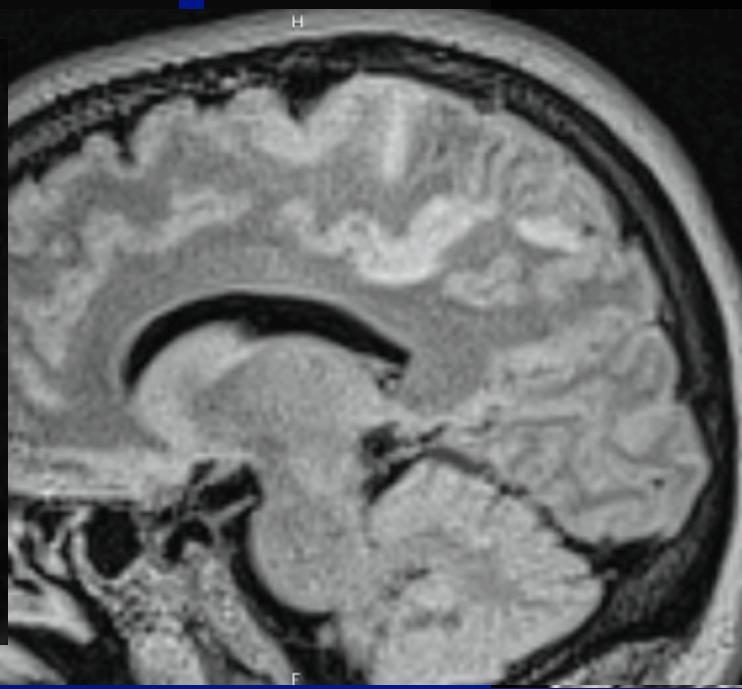
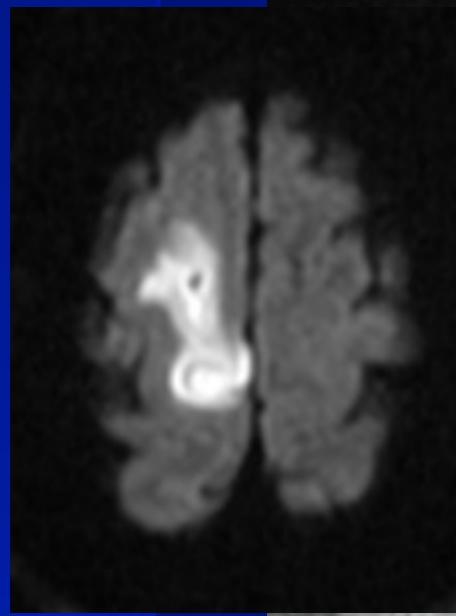
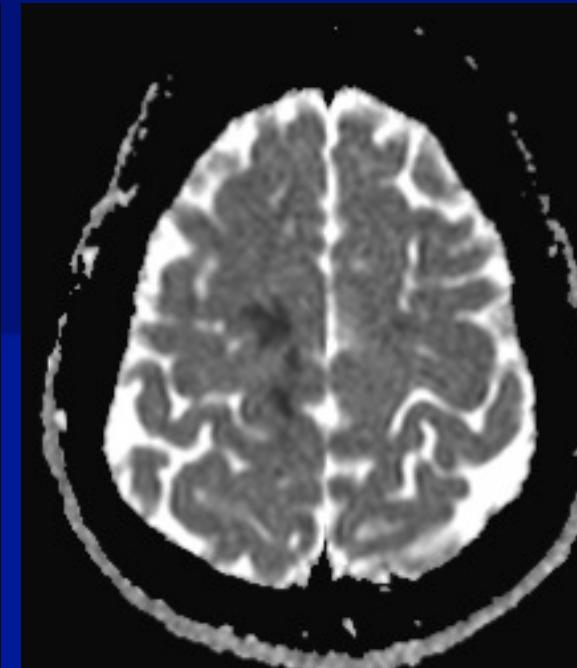
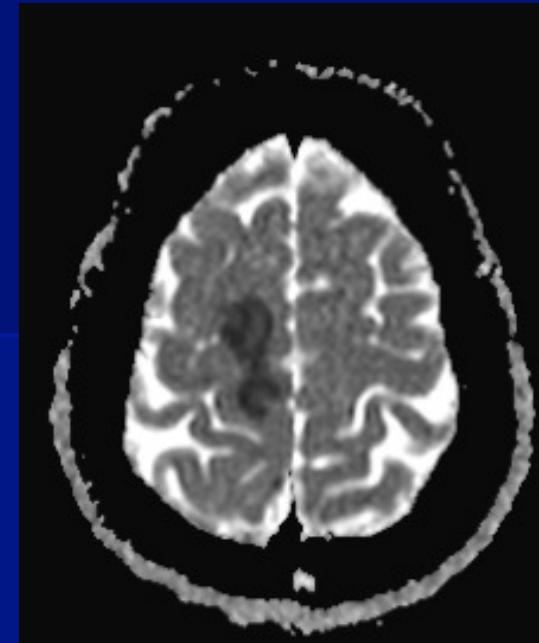
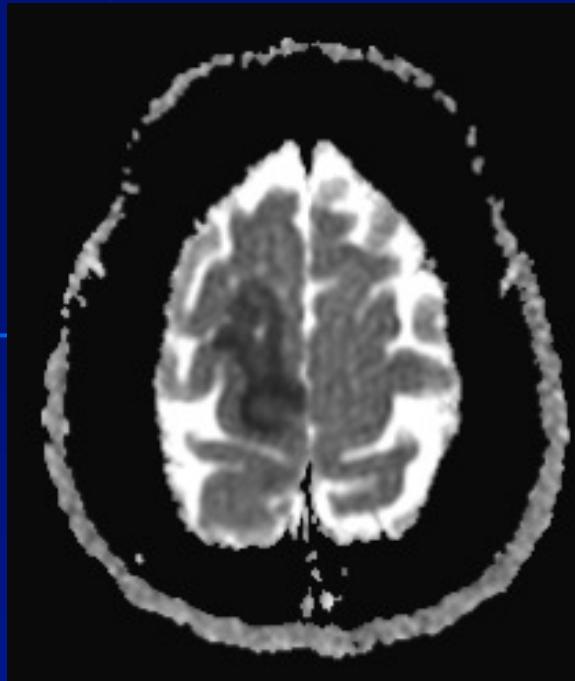
Penfield

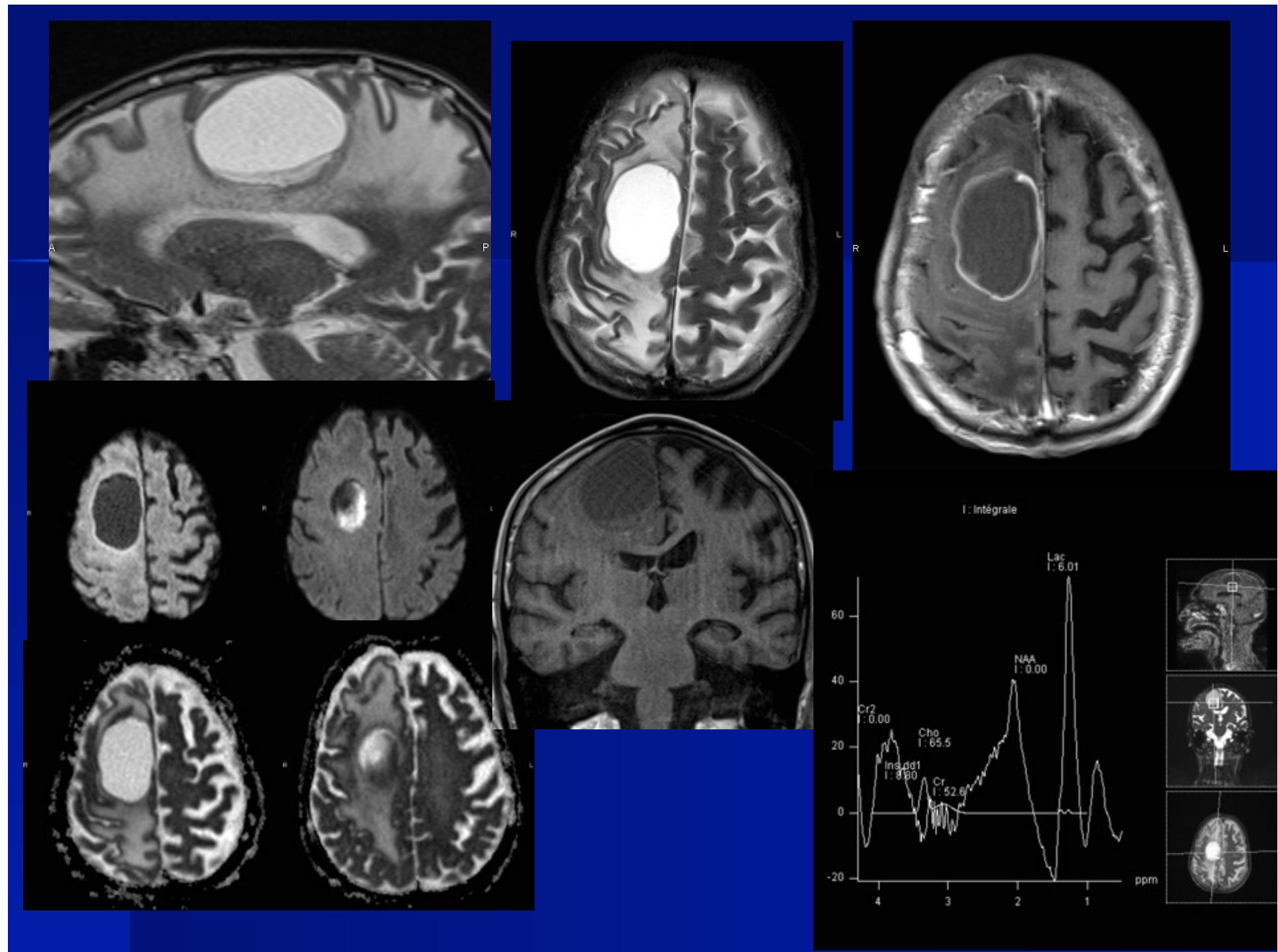
Lobule para-central

Sillon Cm



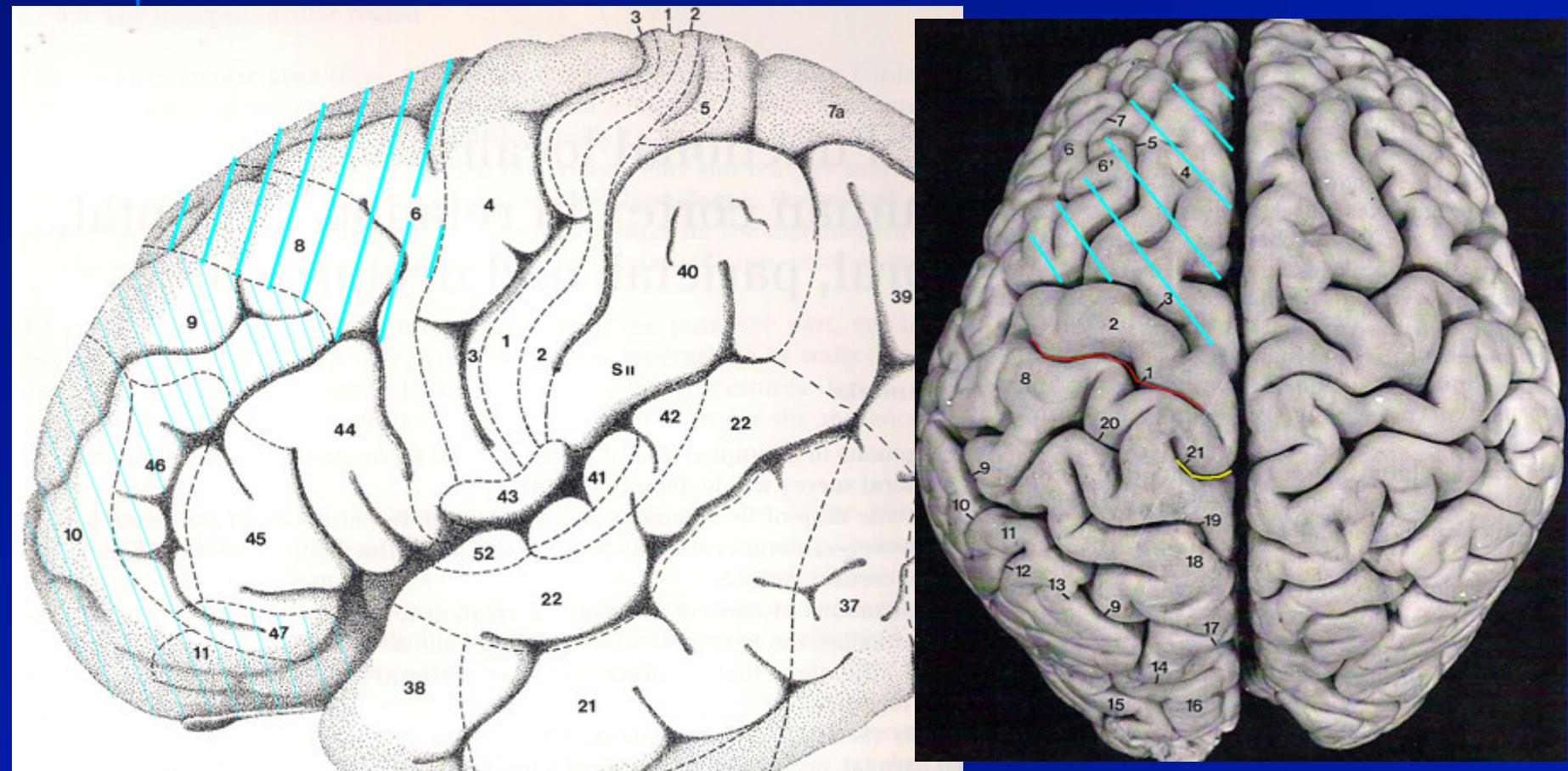




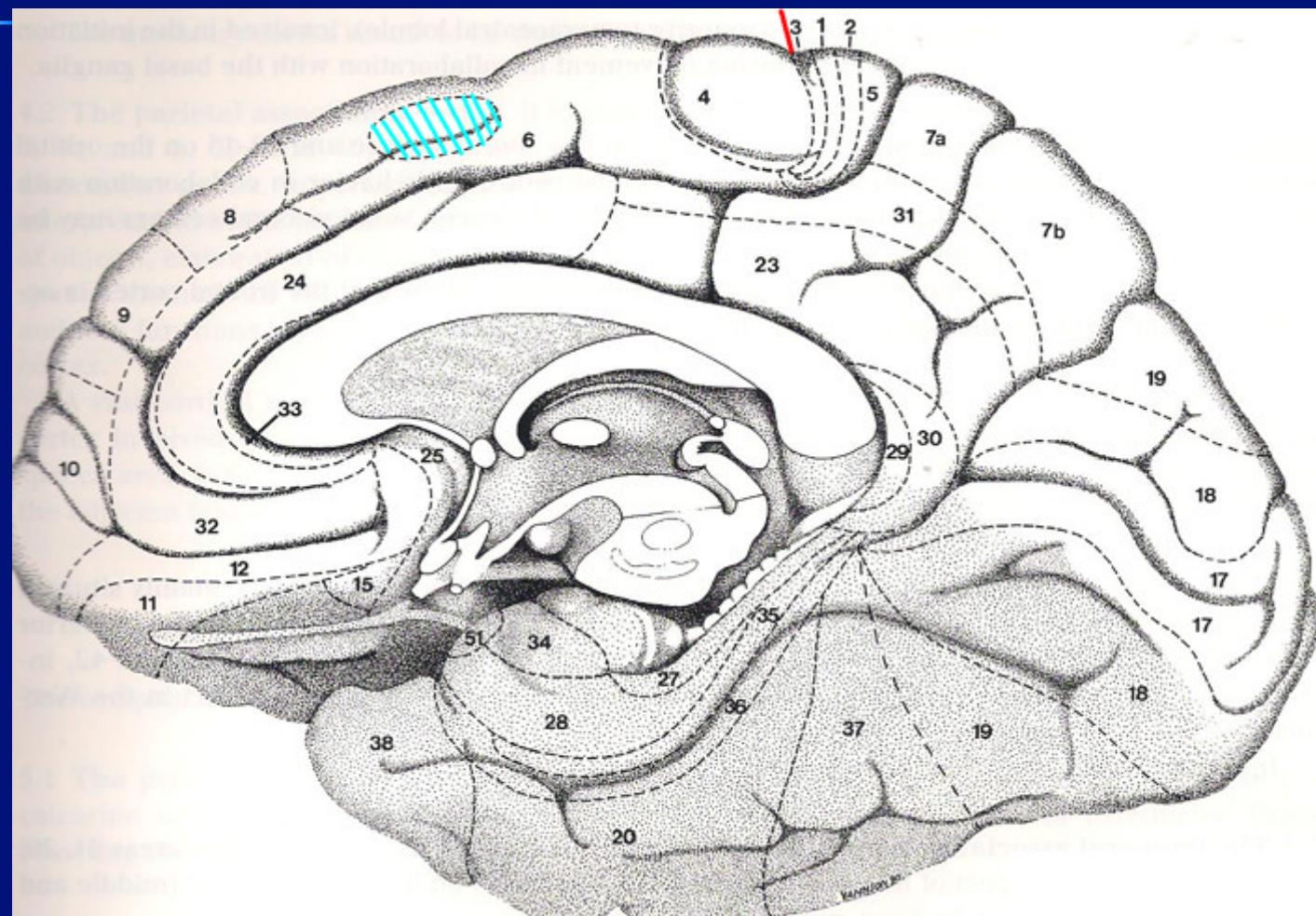


Cortex moteur secondaire (M2)

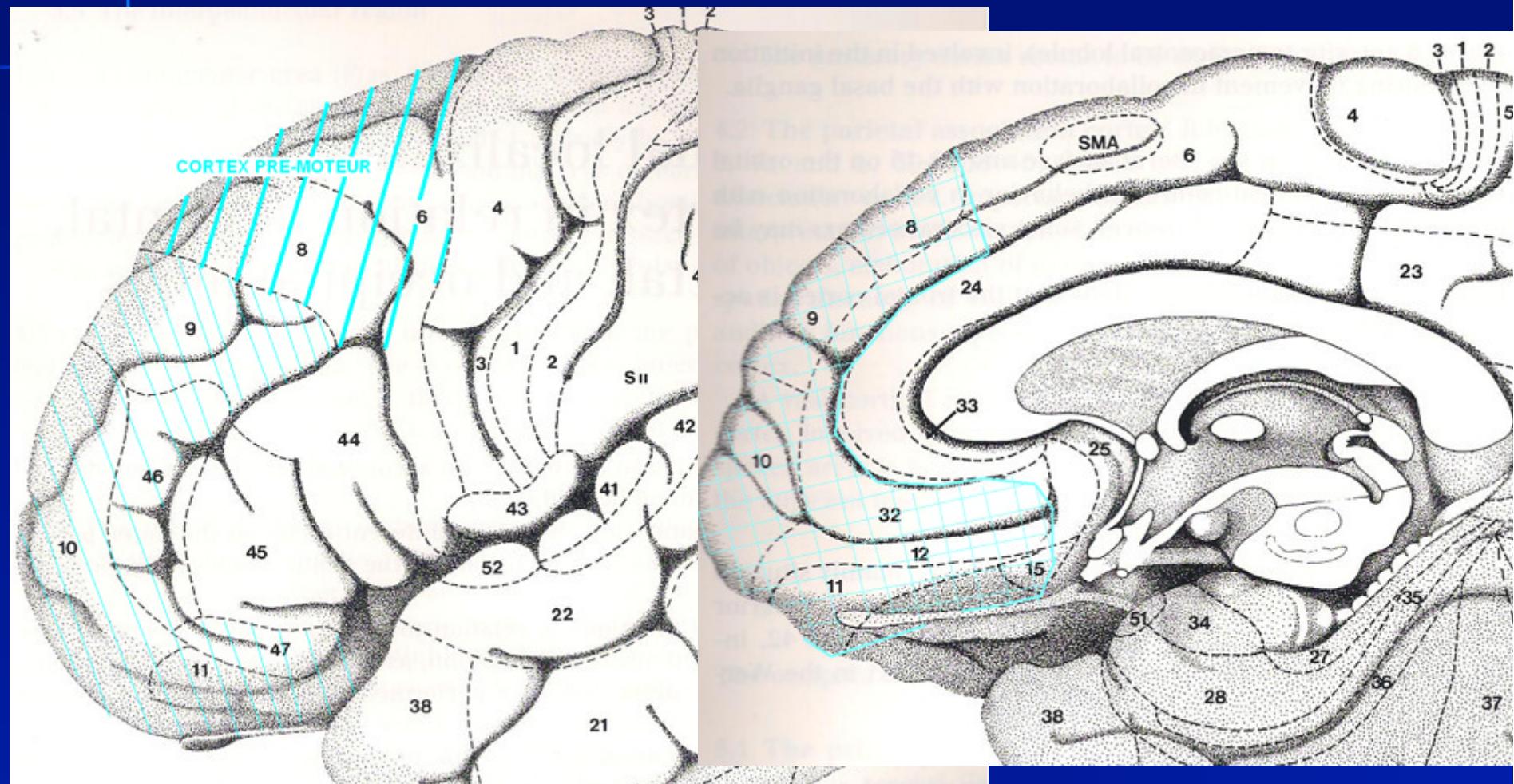
- Cortex pré-moteur: aires 6 et 8

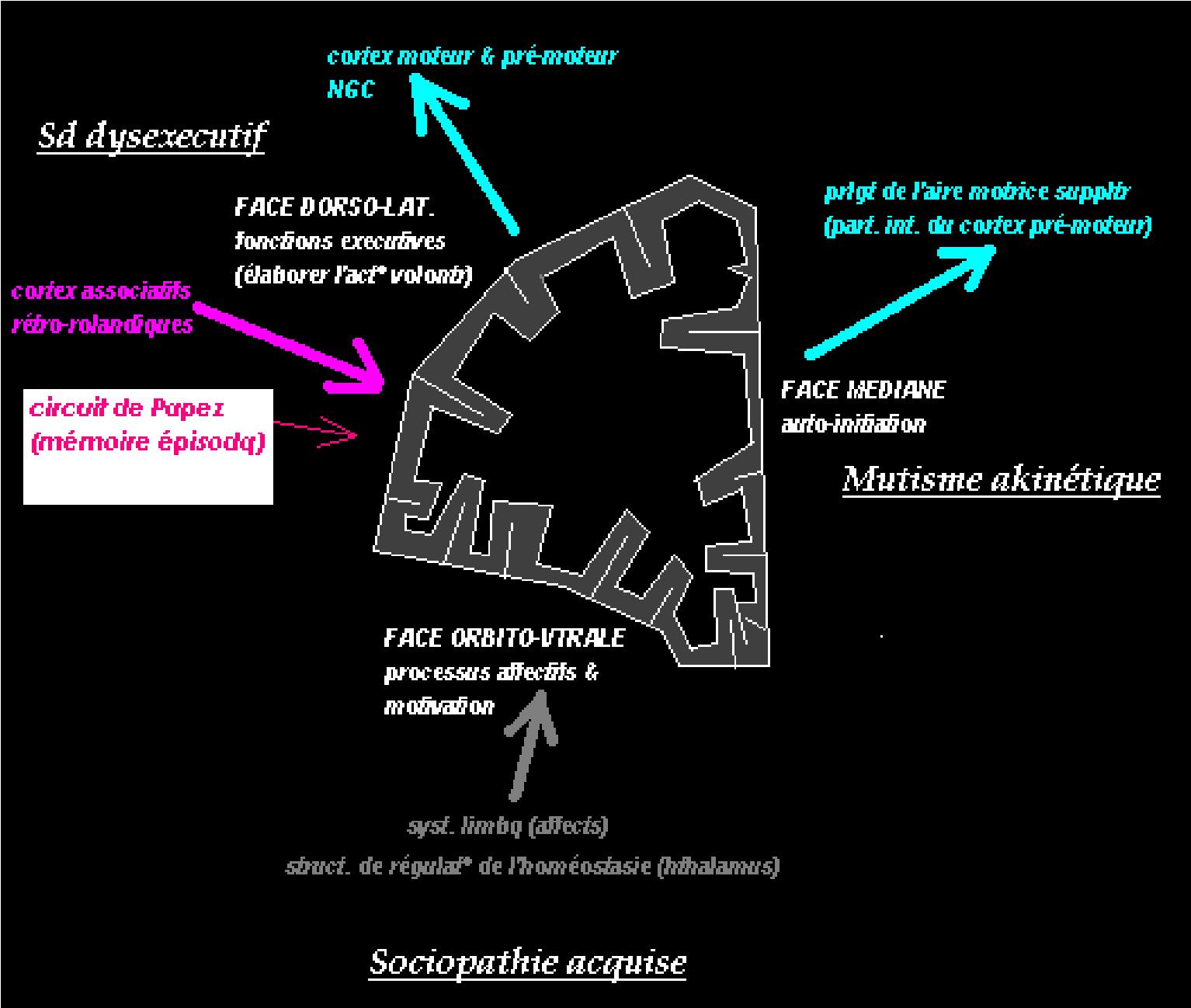


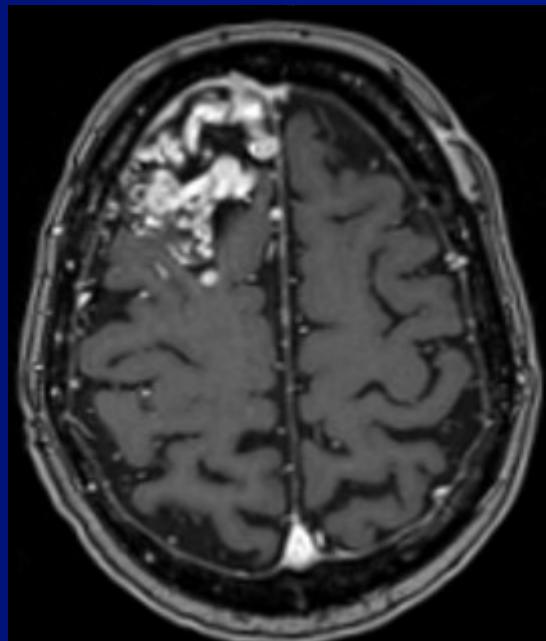
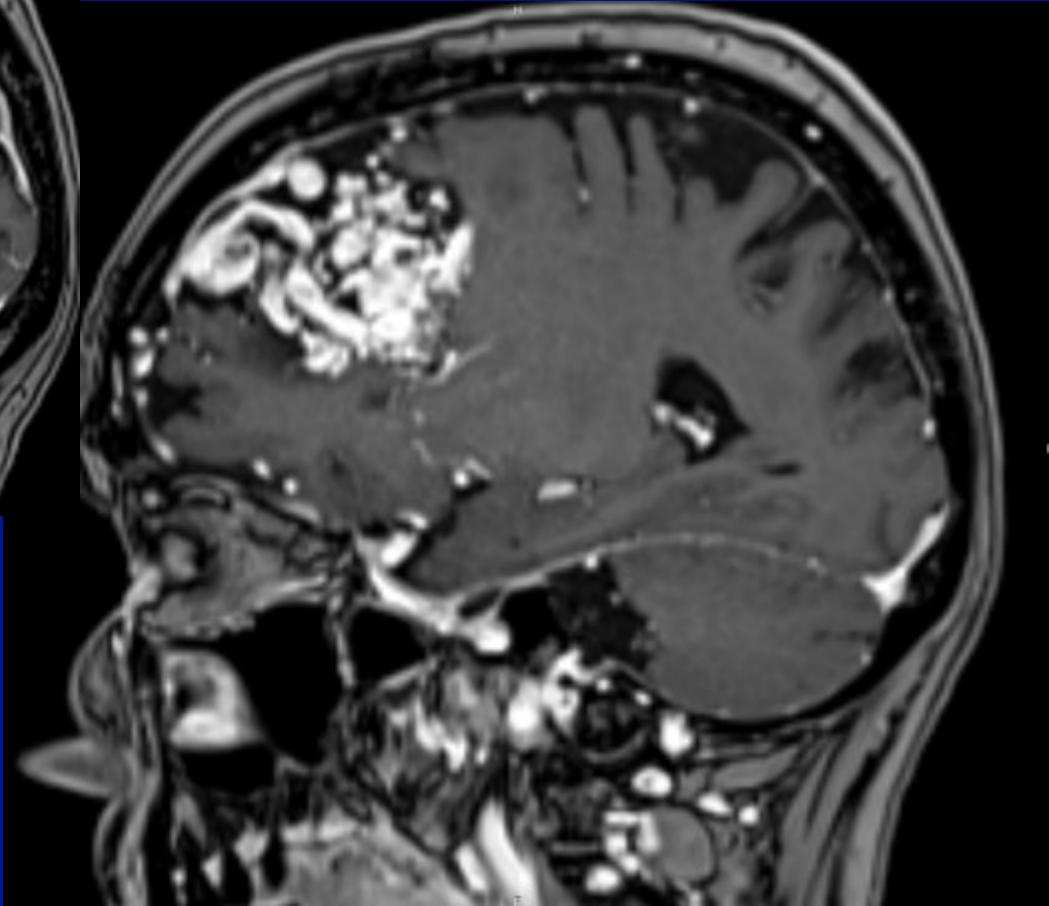
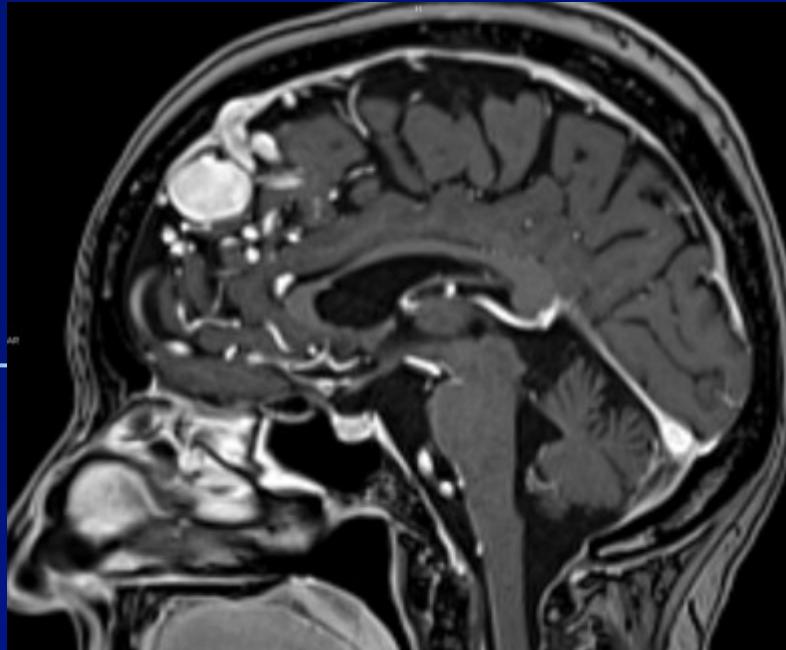
■ Aire motrice accessoire: aire 6



Cortex pré-frontal

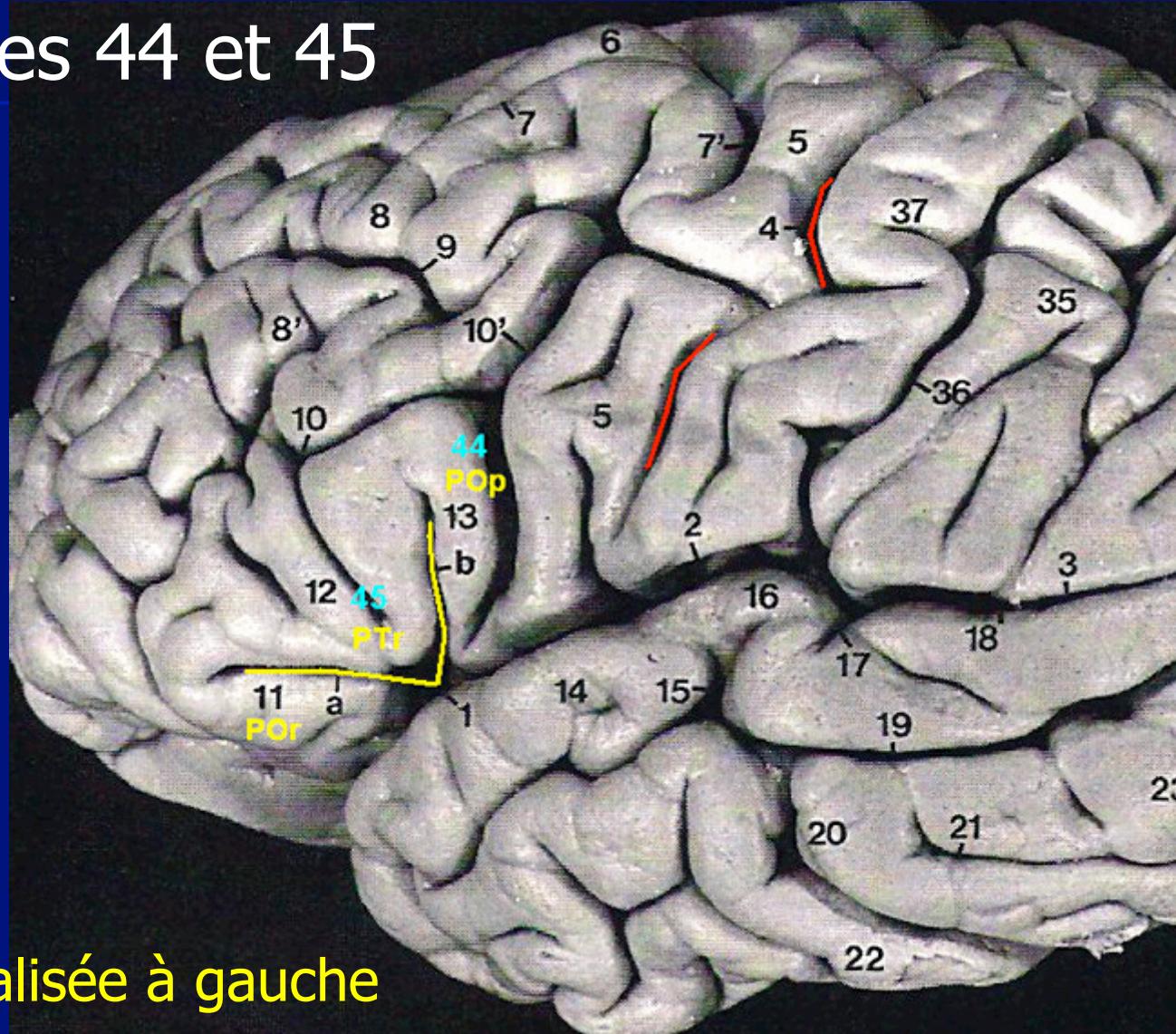






Aire de Broca

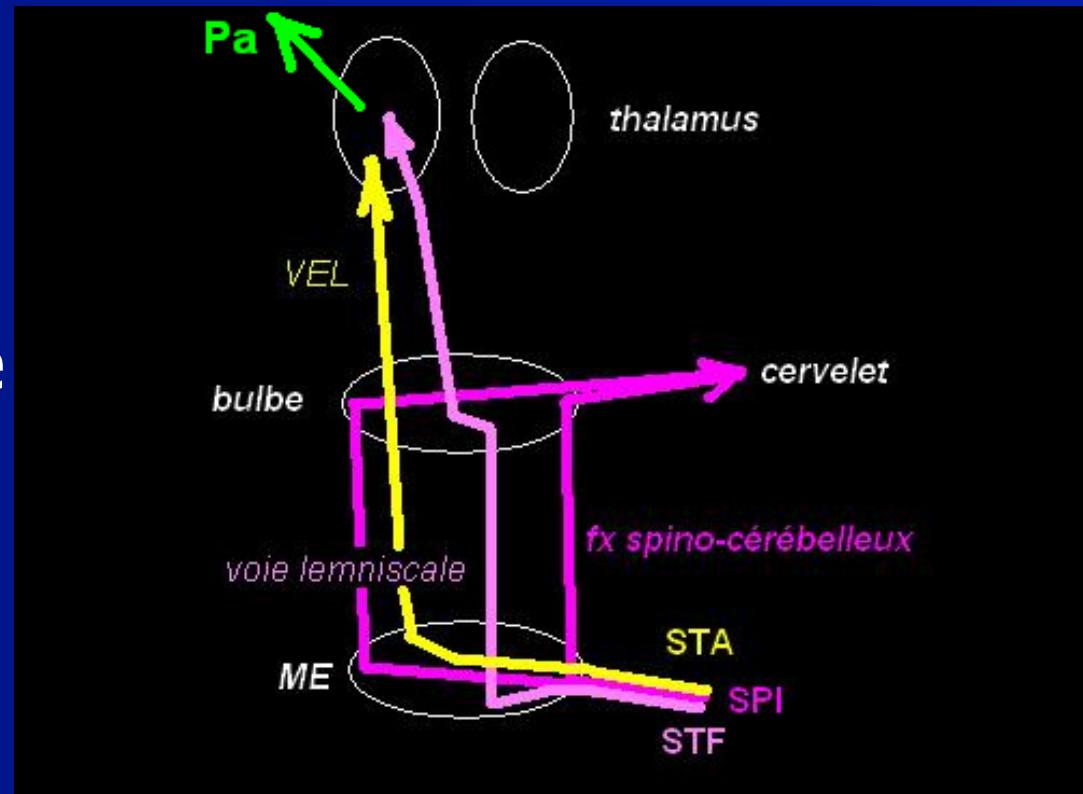
■ Aires 44 et 45



+++ latéralisée à gauche

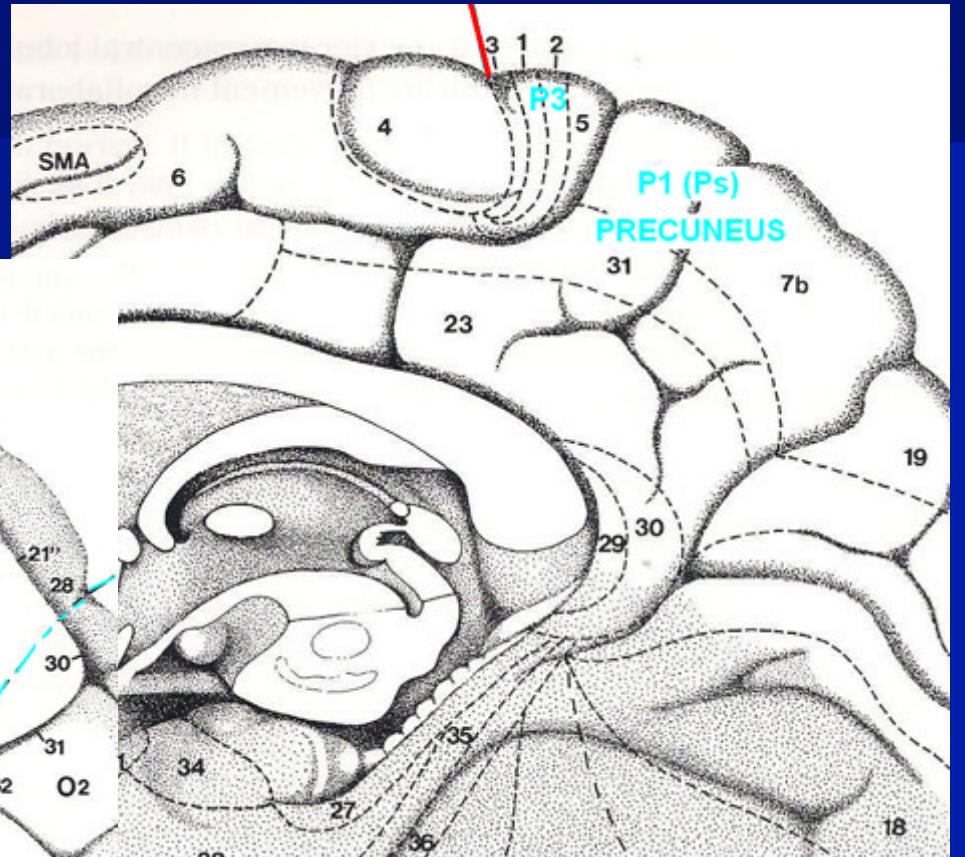
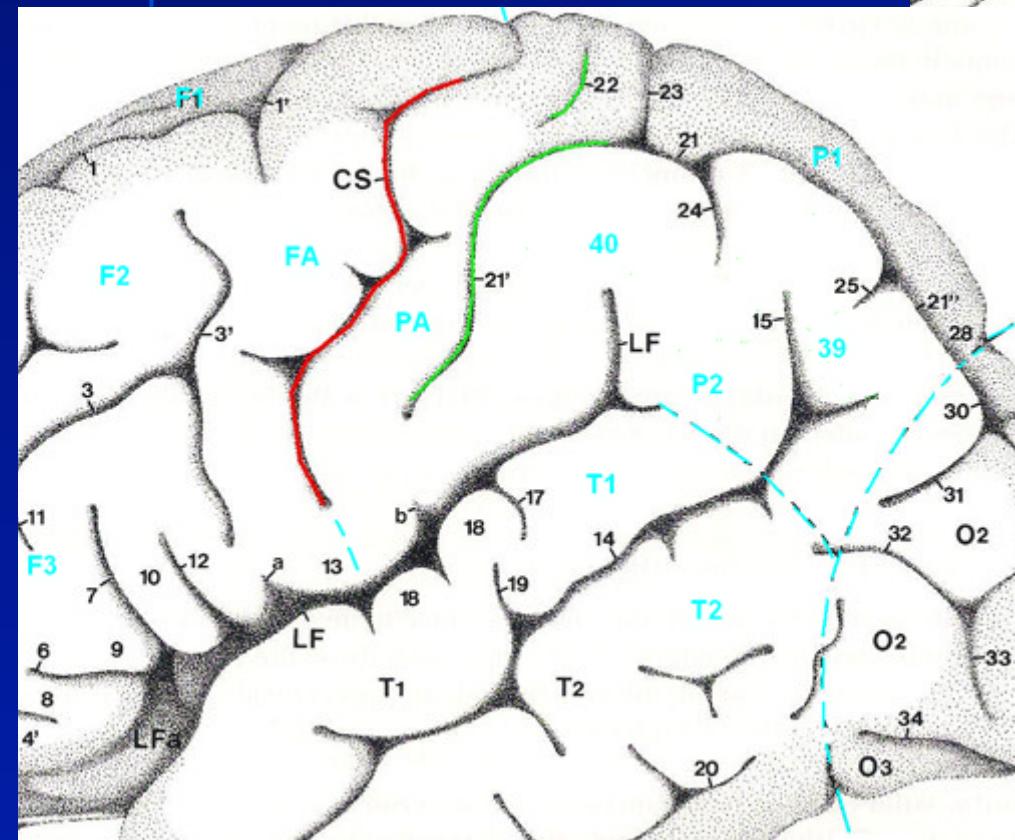
Aires sensitives

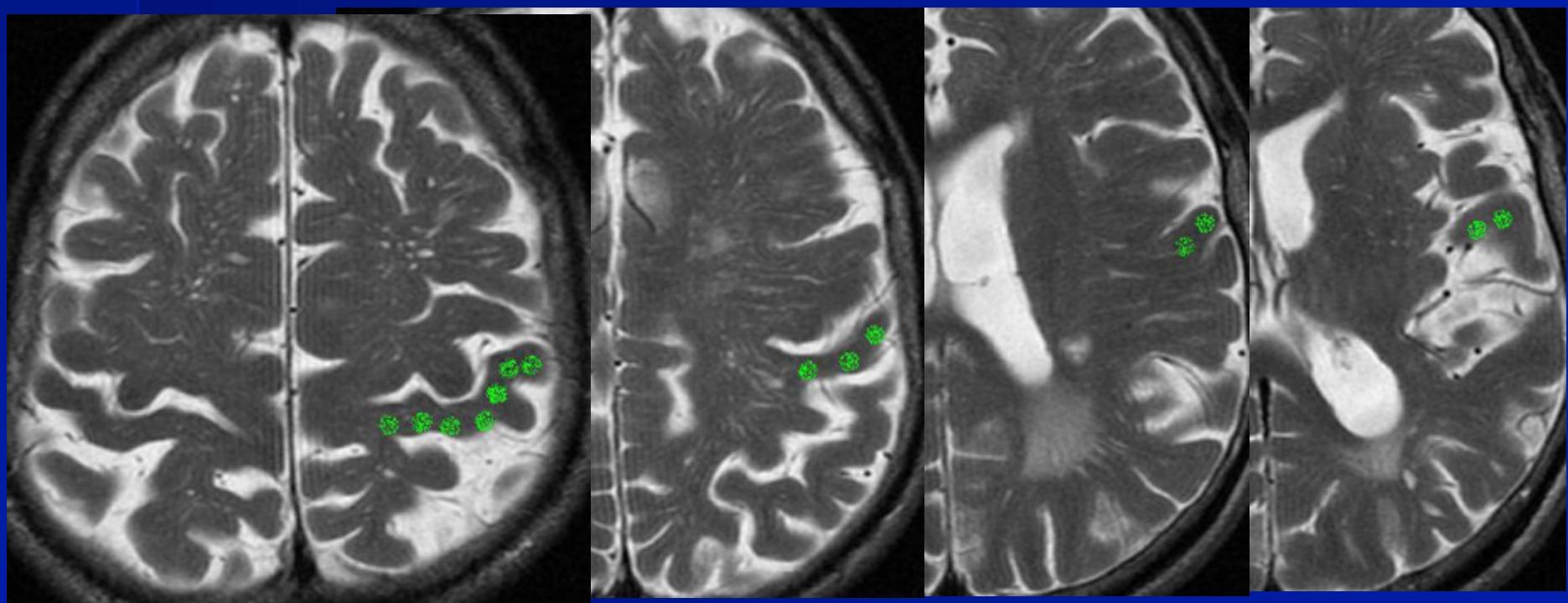
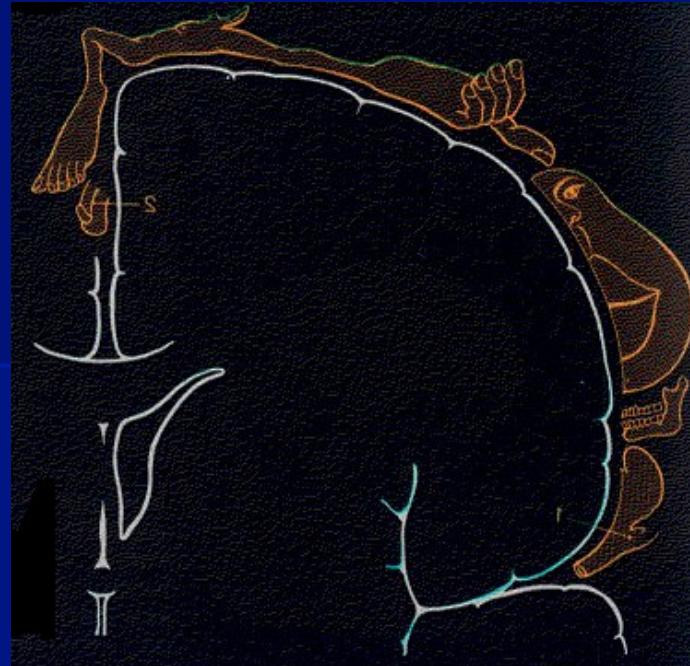
- Voies proprioceptives inconscientes
- Sensibilité tactile fine
- Sensibilité thermoalgique

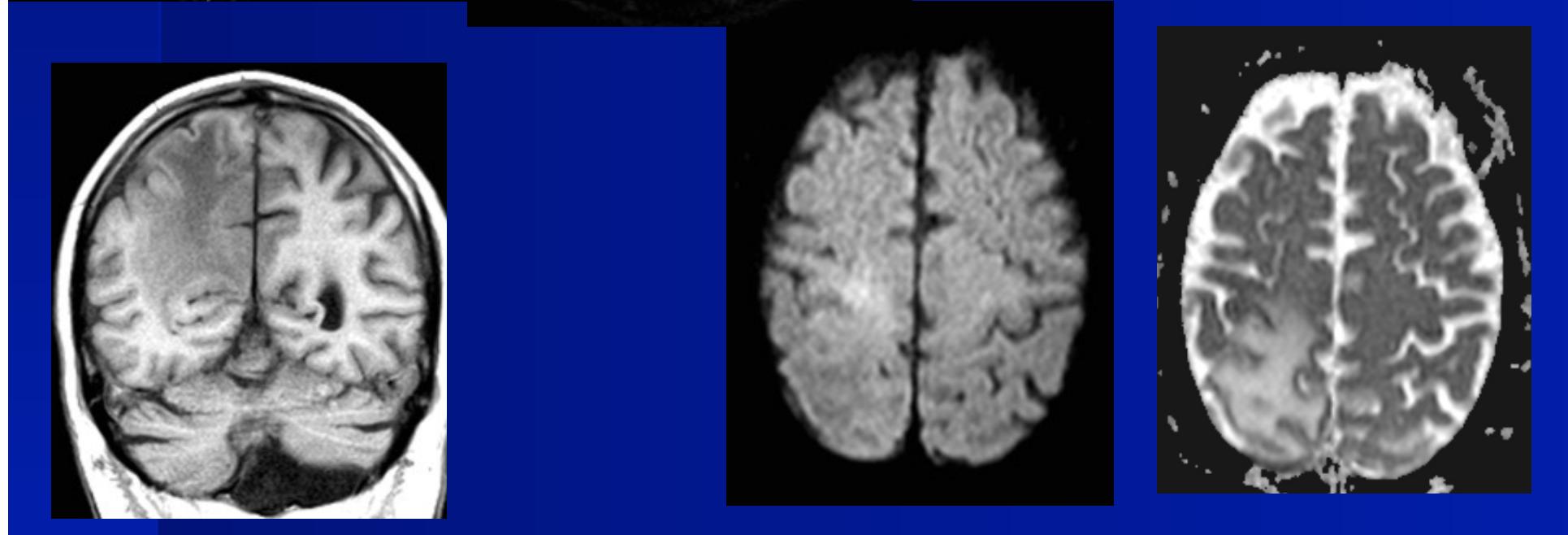
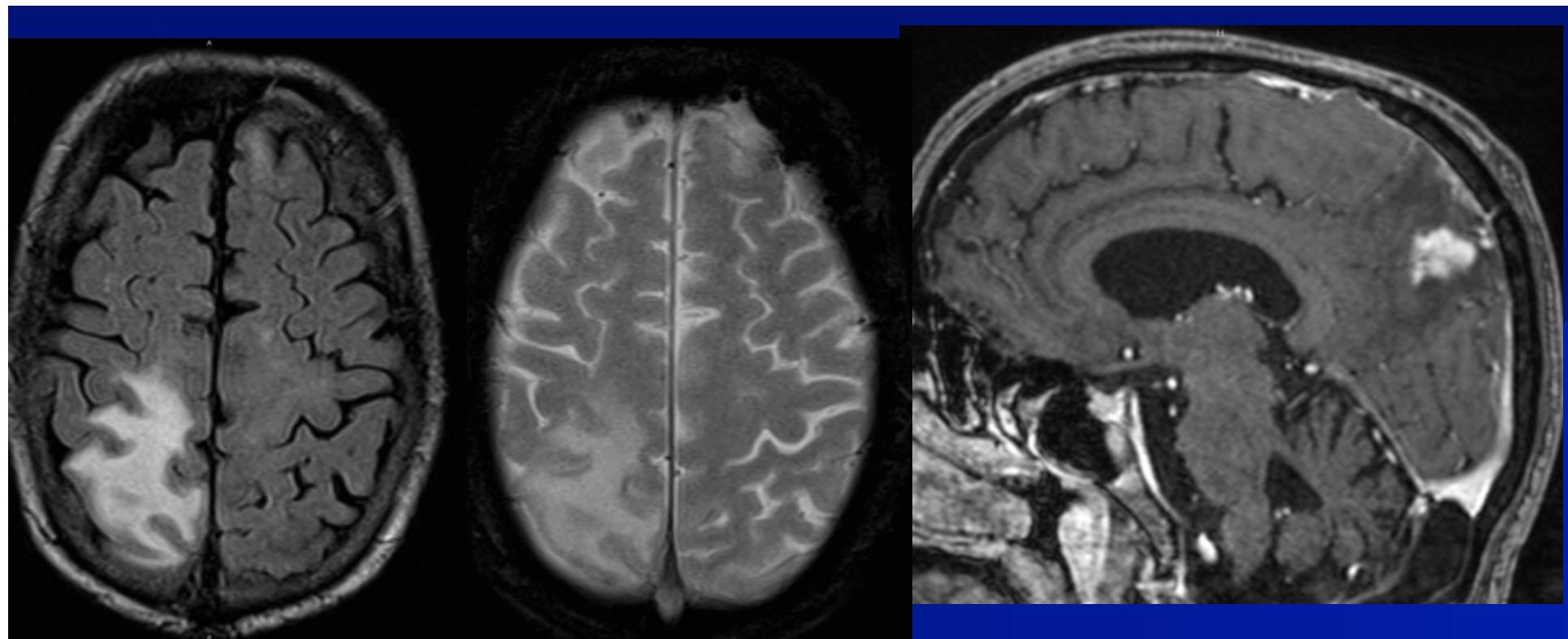


Cortex somesthésique I

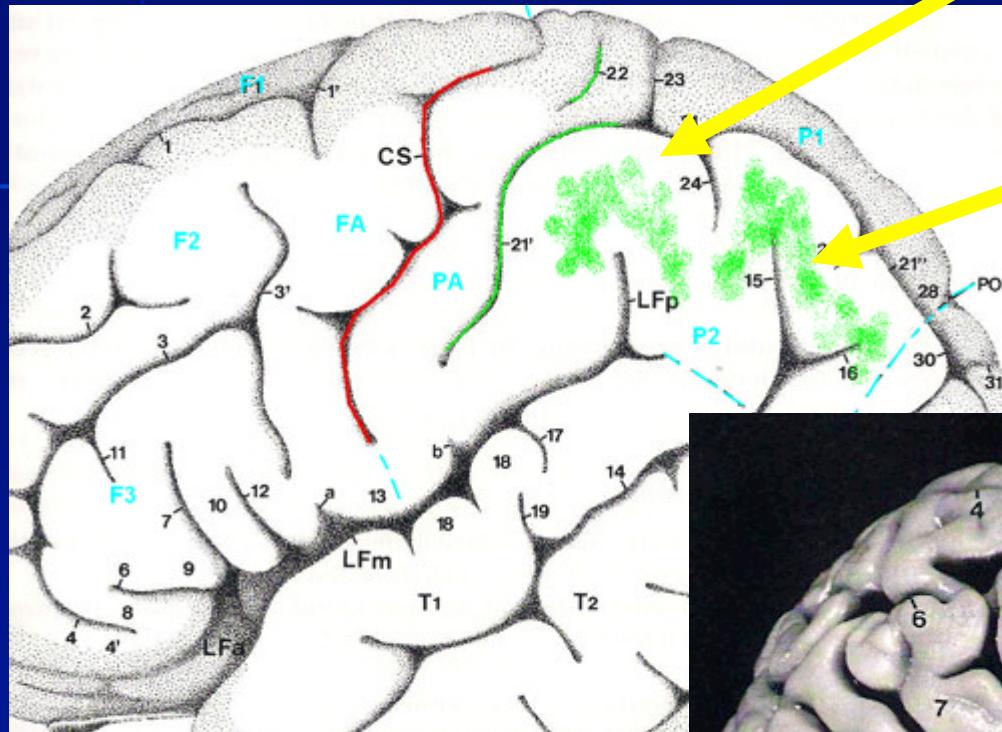
■ Aires 1, 2 & 3







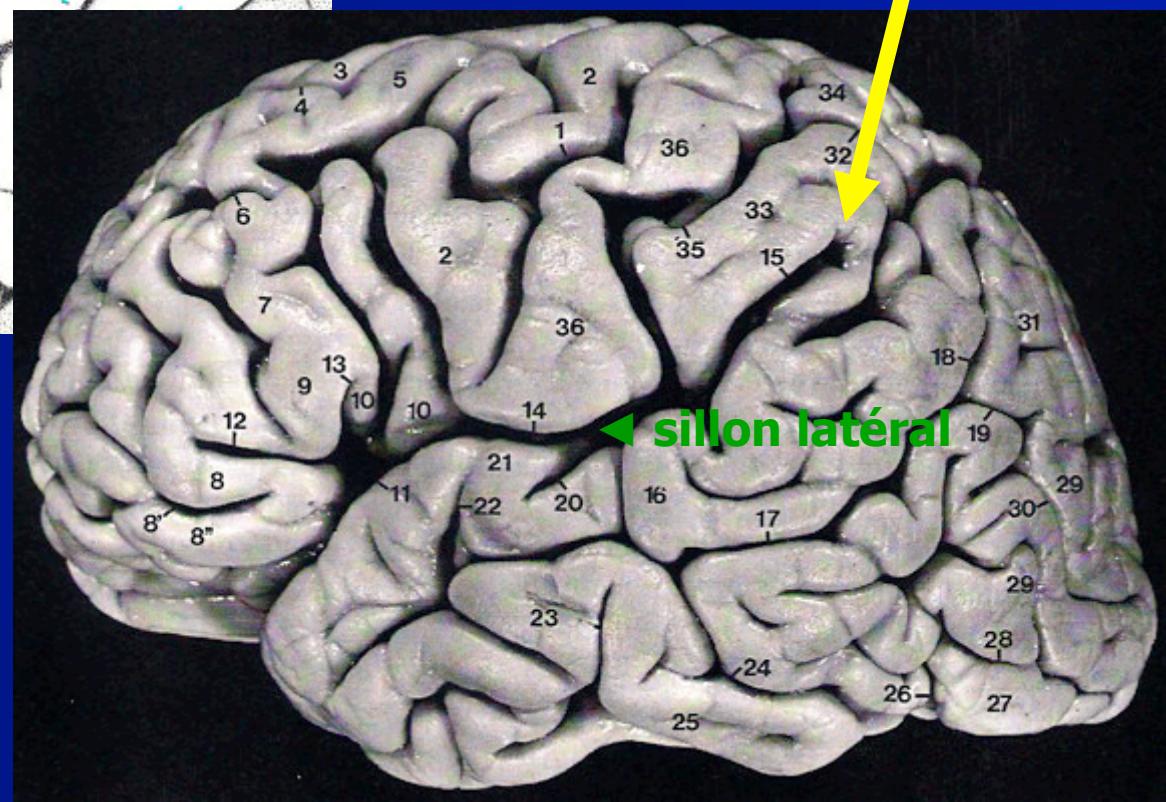
■ Aire de Wernicke



Gyrus supra-marginalis

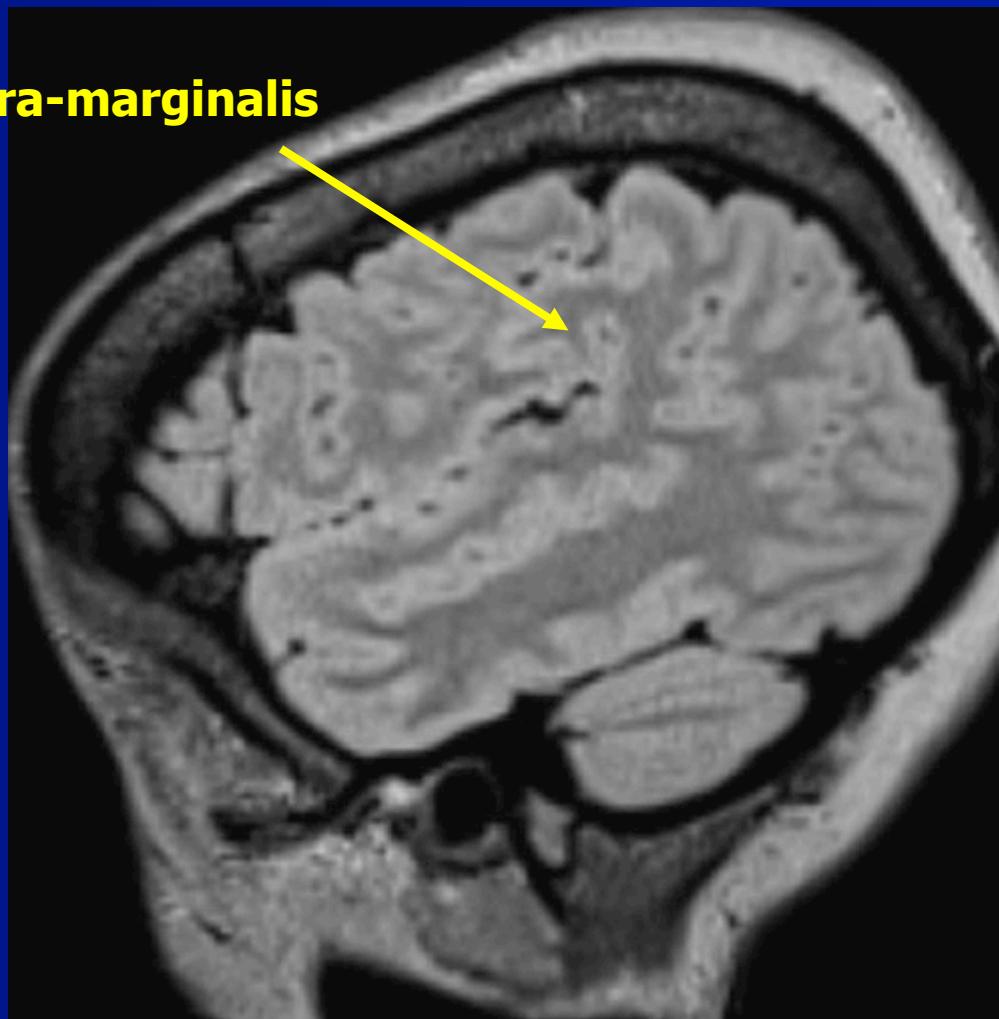
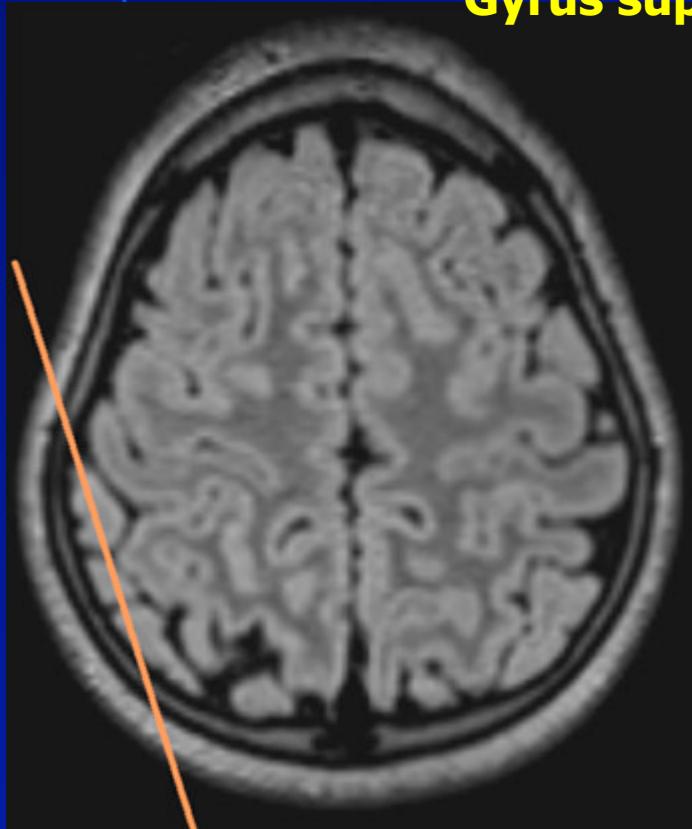
Gyrus angularis

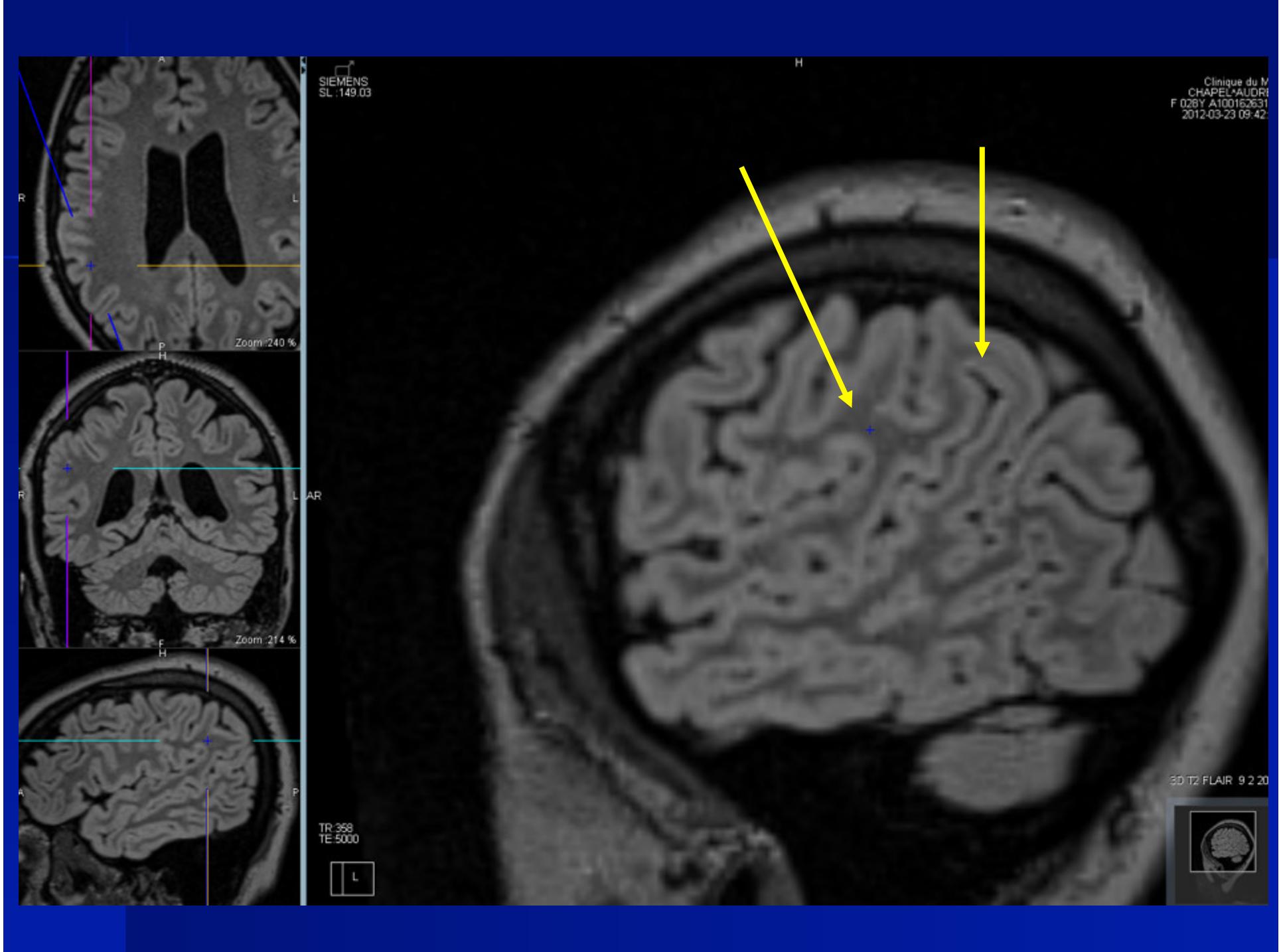
Gyrus supra-marginalis



sillon latéral

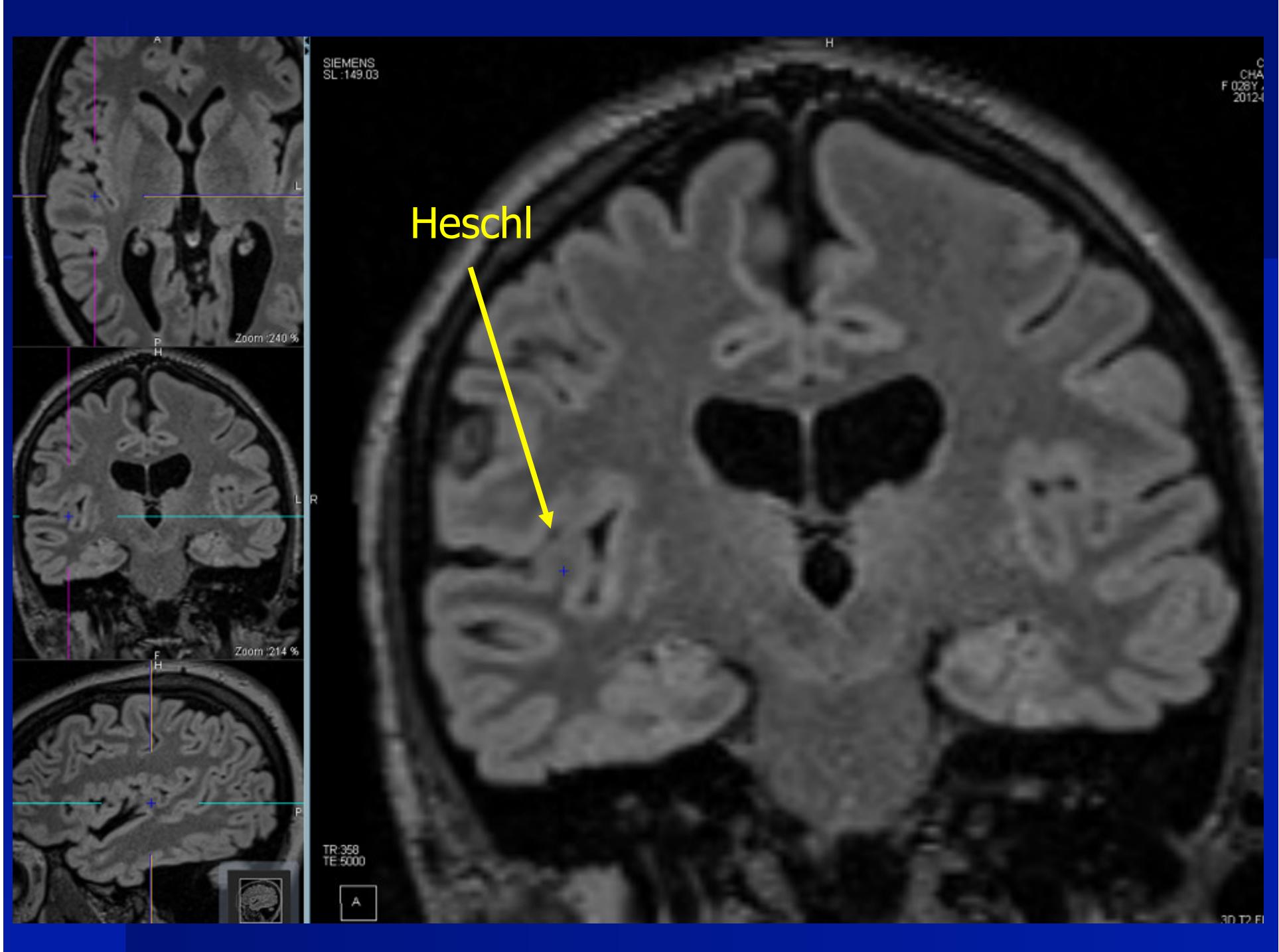
■ Aire de Wernicke

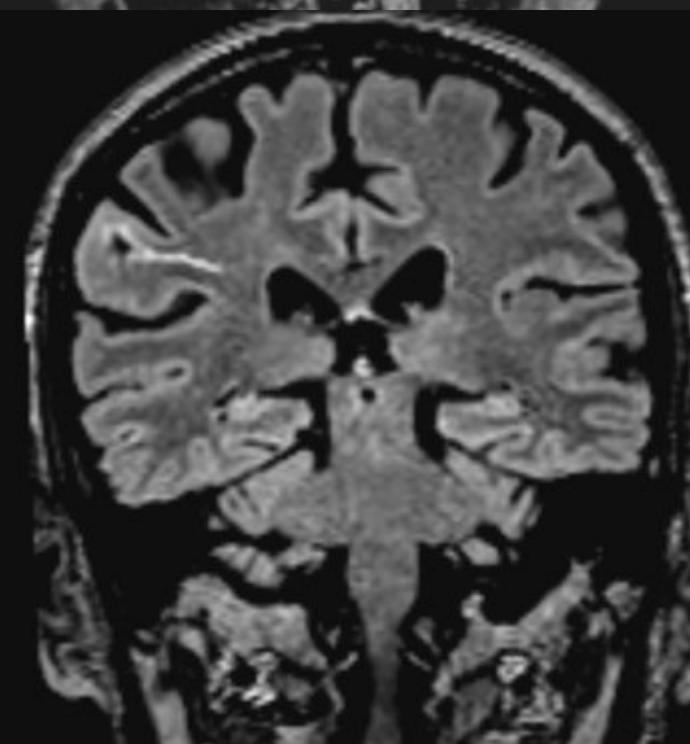
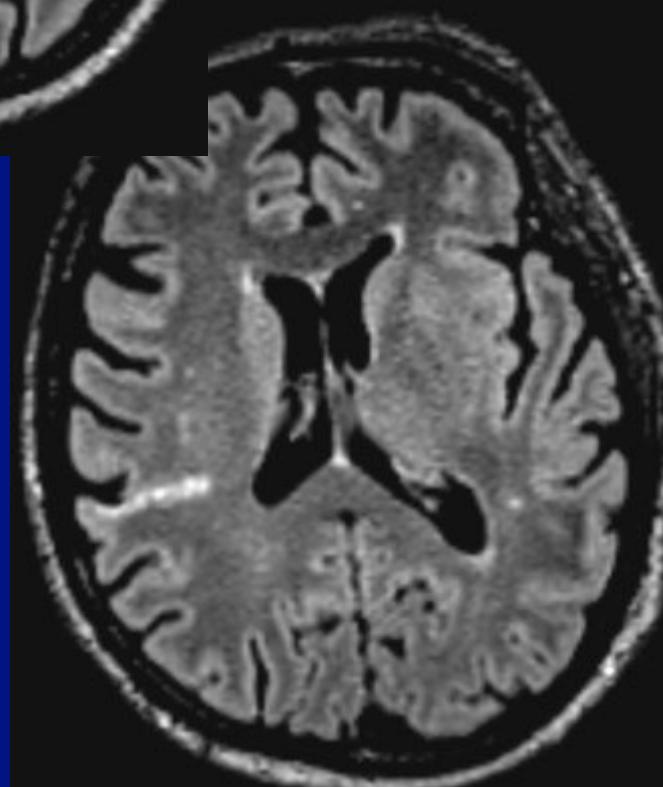
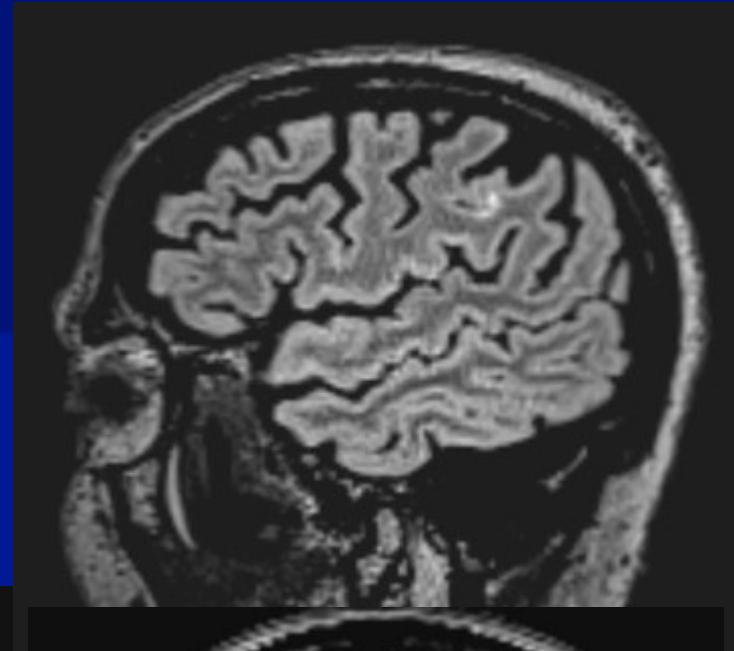
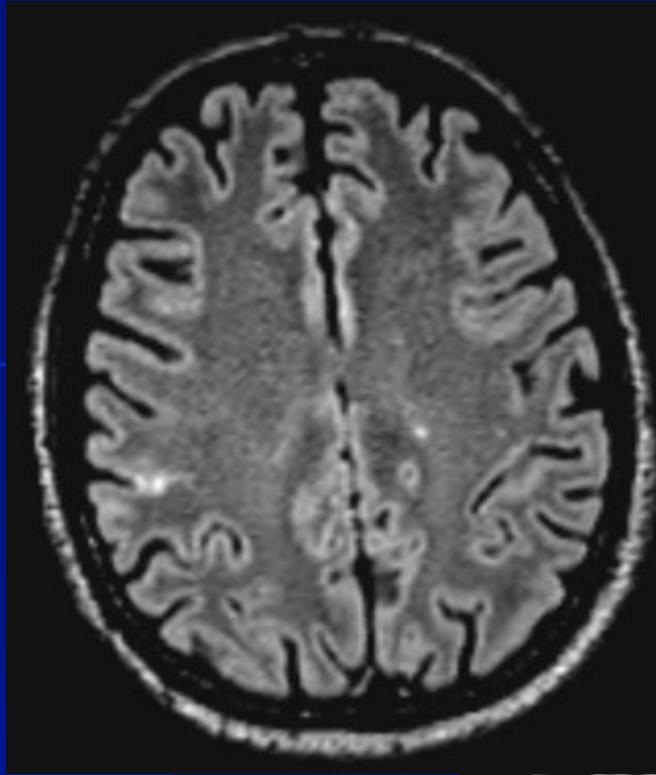




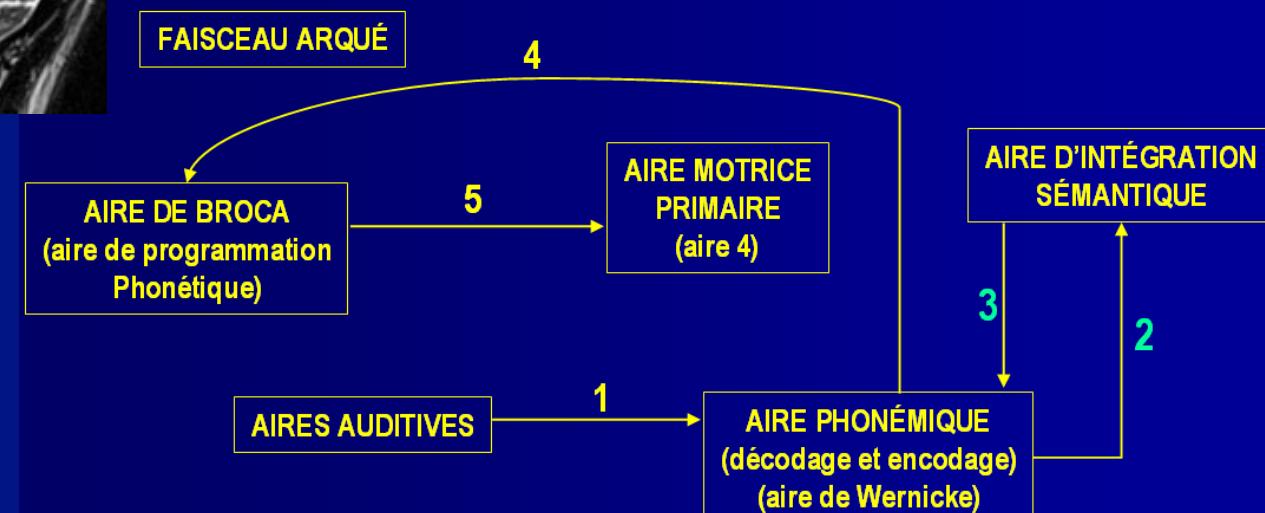
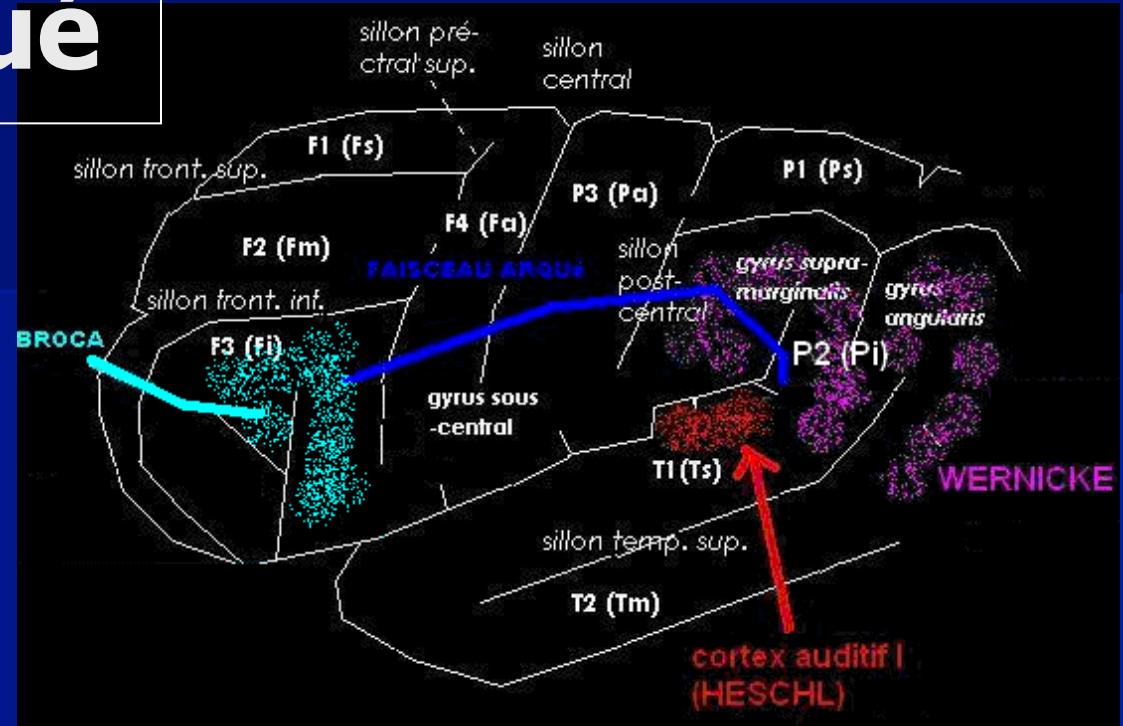
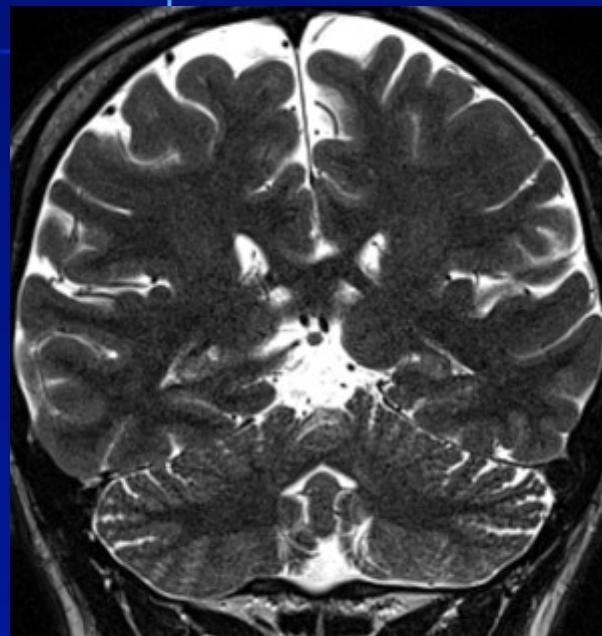
Aire de Wernicke

- compréhension du langage
- aire auditive primaire de Heschl
- Aphasie de Wernicke:
 - logorrhée
 - discours sans aucun sens (paraphasies, néologismes, jargonaphasie)
 - Anosognosie
 - Surdité verbale
 - Alexie
 - HLH

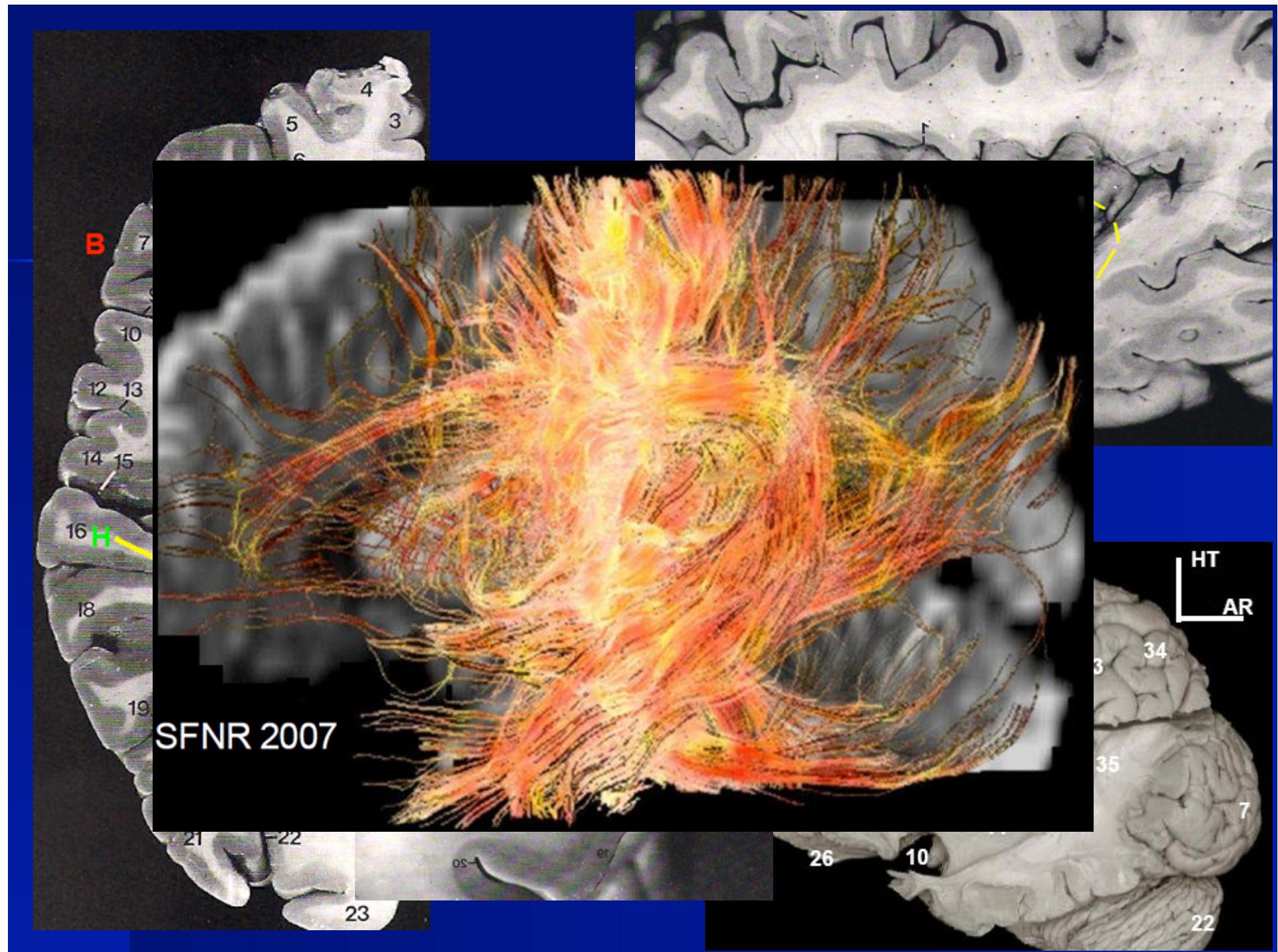


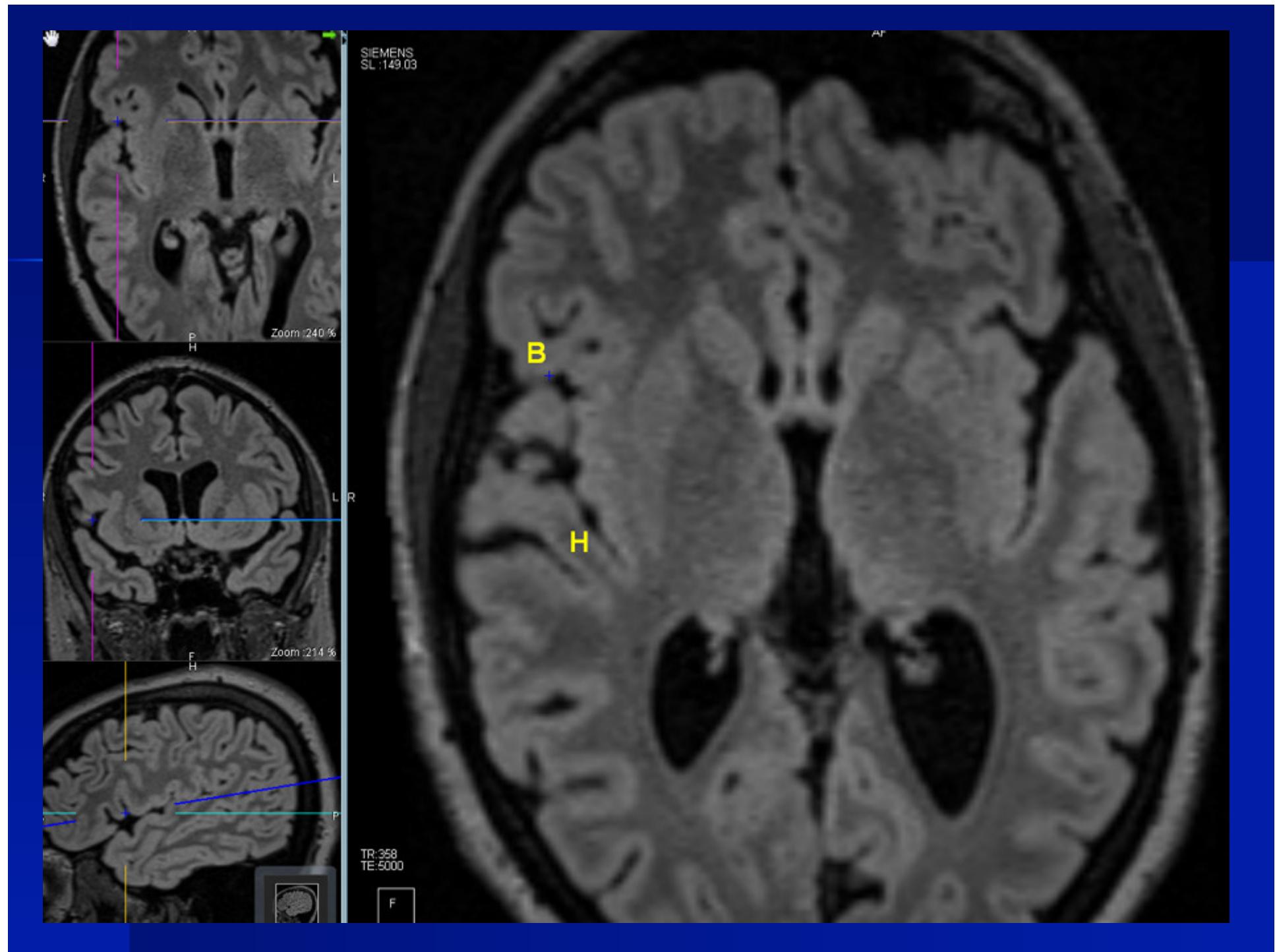


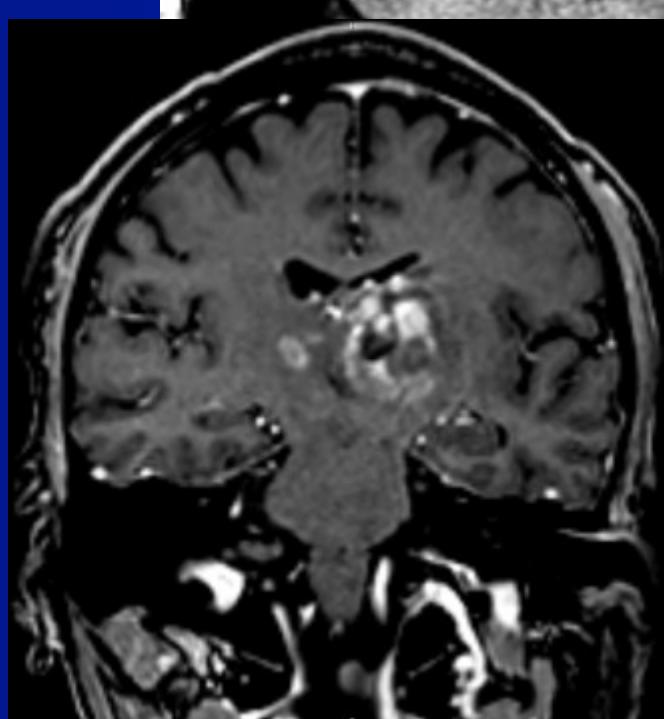
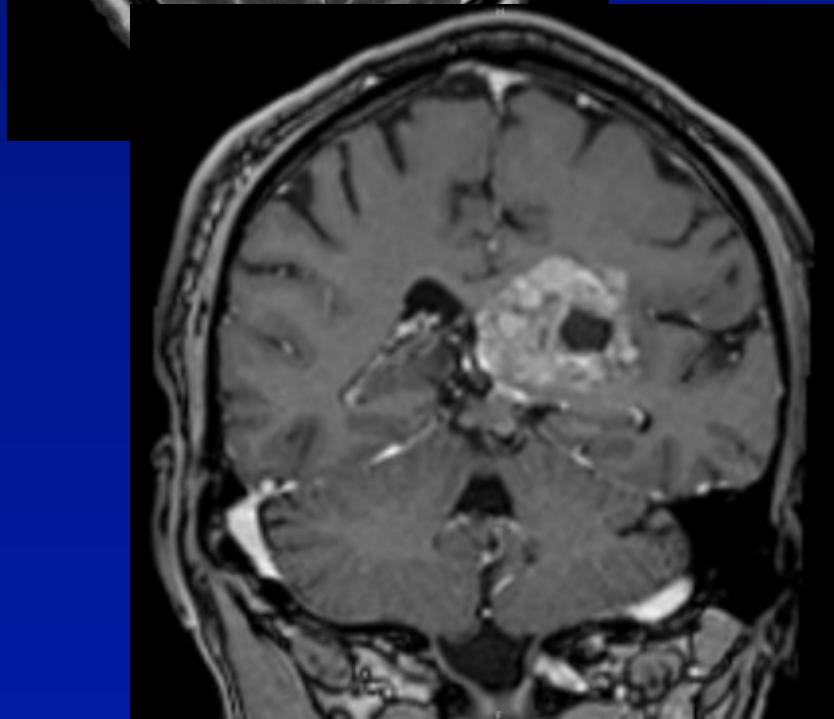
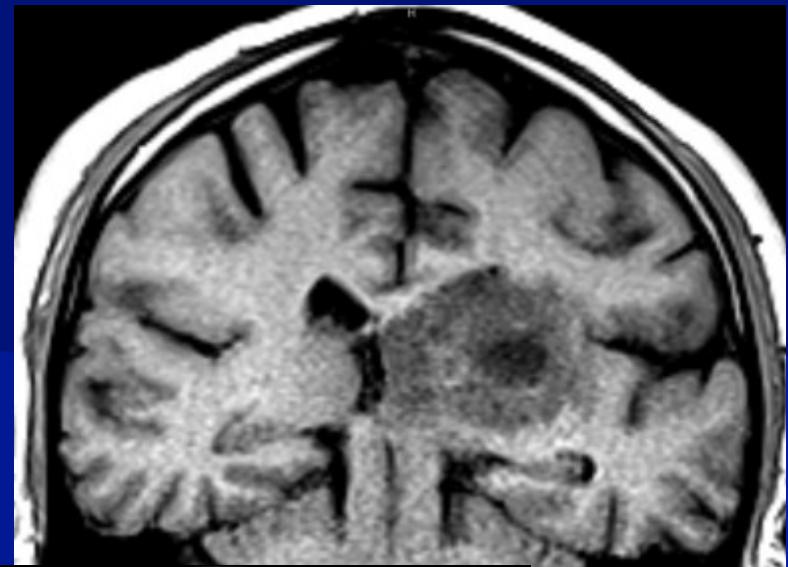
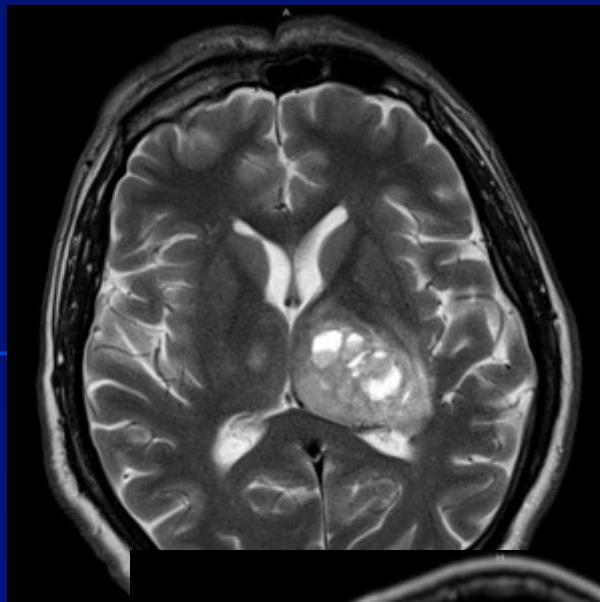
Faisceau arqué



(Kussmaul et Heilman, 1976)

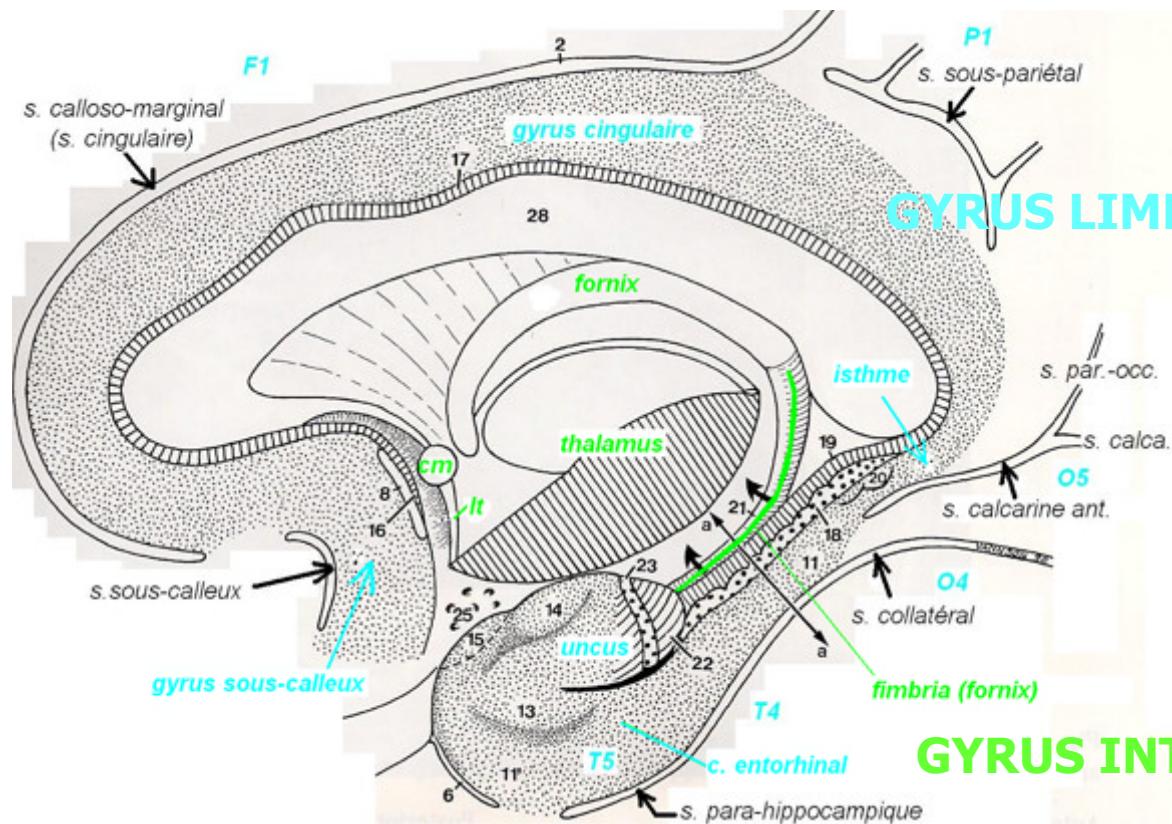




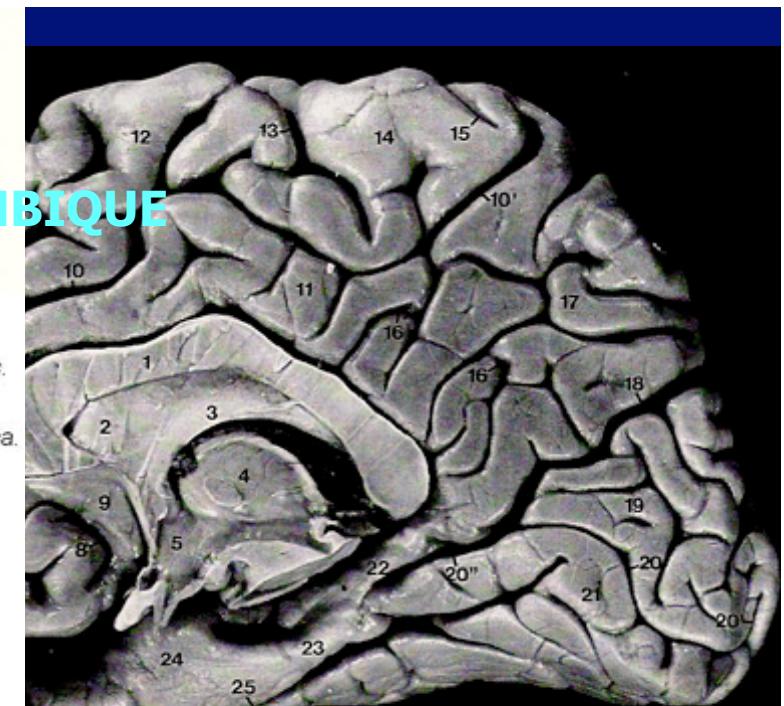


Système limbique (circuit de Papez)

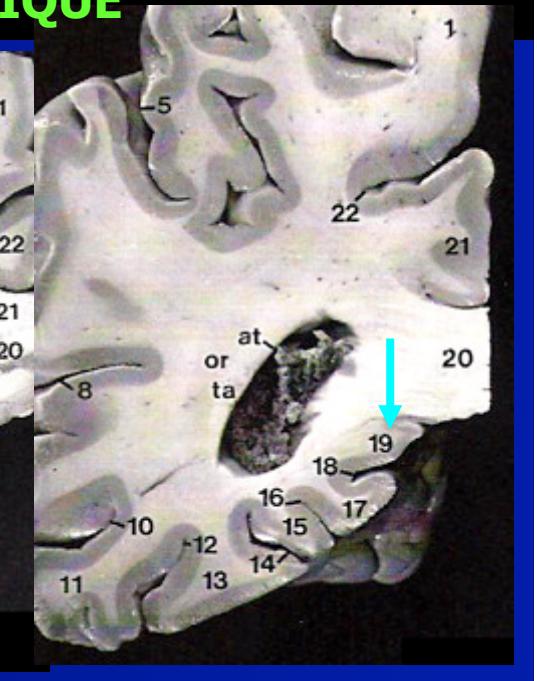
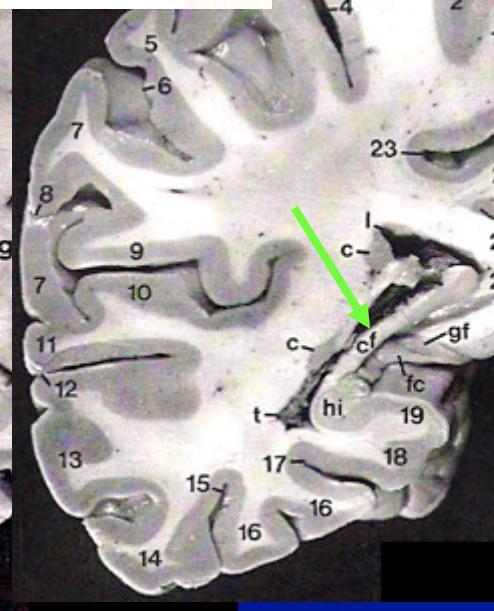
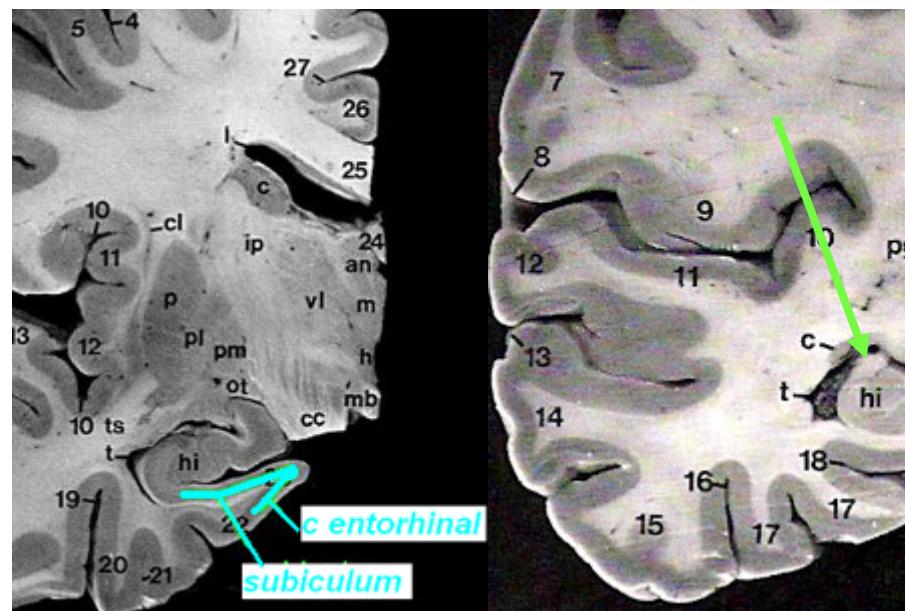
- gyrus limbique
- gyrus intra-limbique
- noyaux limbiques

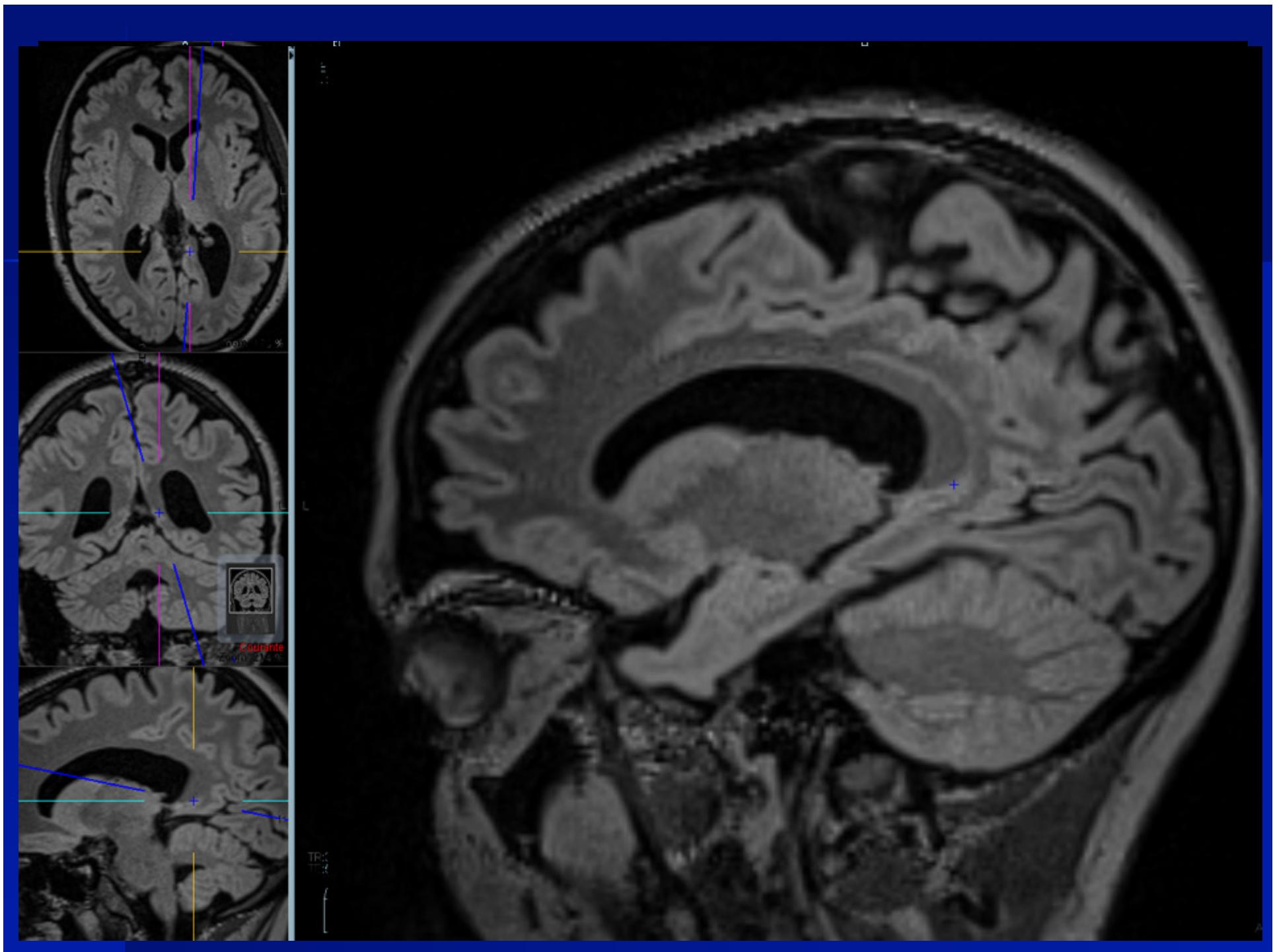


GYRUS LIMBIQUE

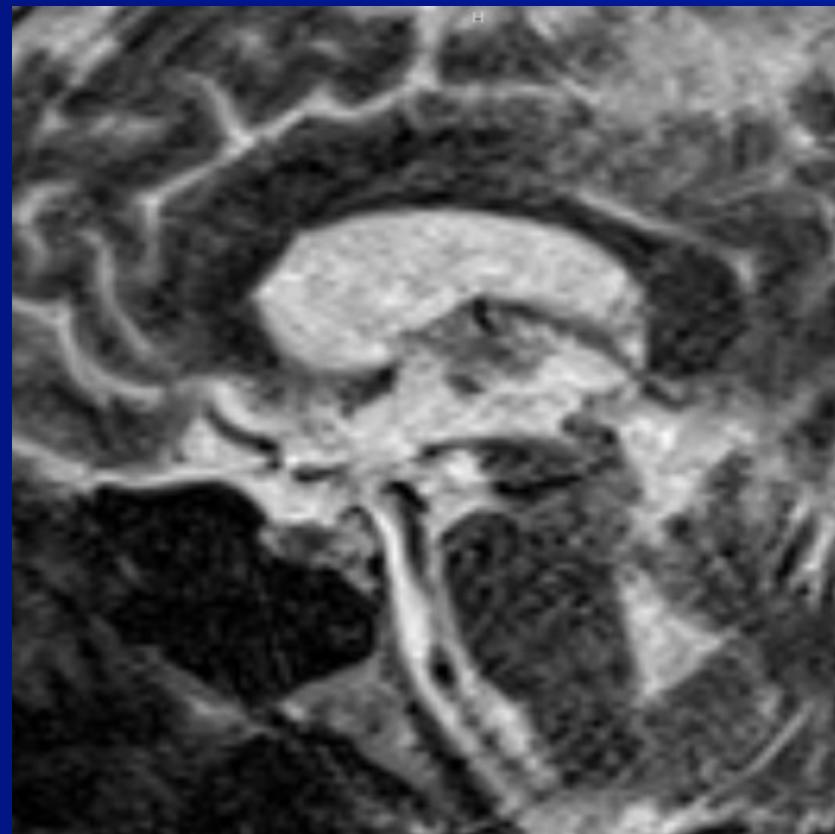


GYRUS INTRA LIMBIQUE

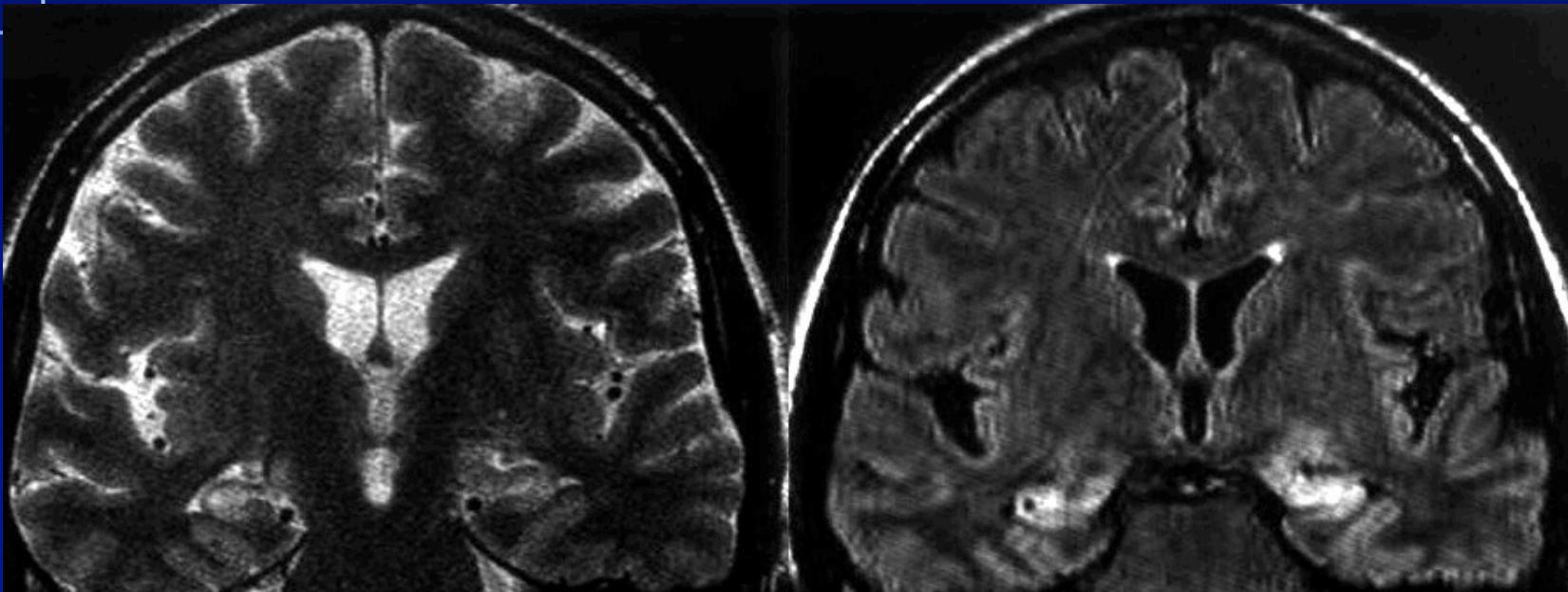




- Encéphalopathie de Gayet-Wernicke
- Sd de Korsakoff



■ Encéphalopathie limbique



■ ouf!

