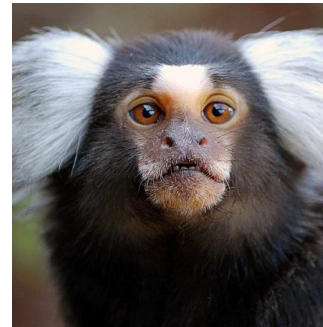
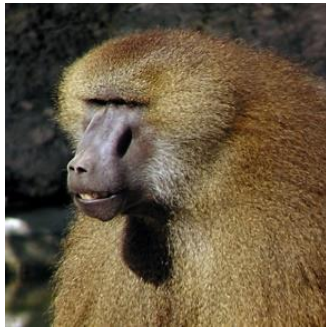
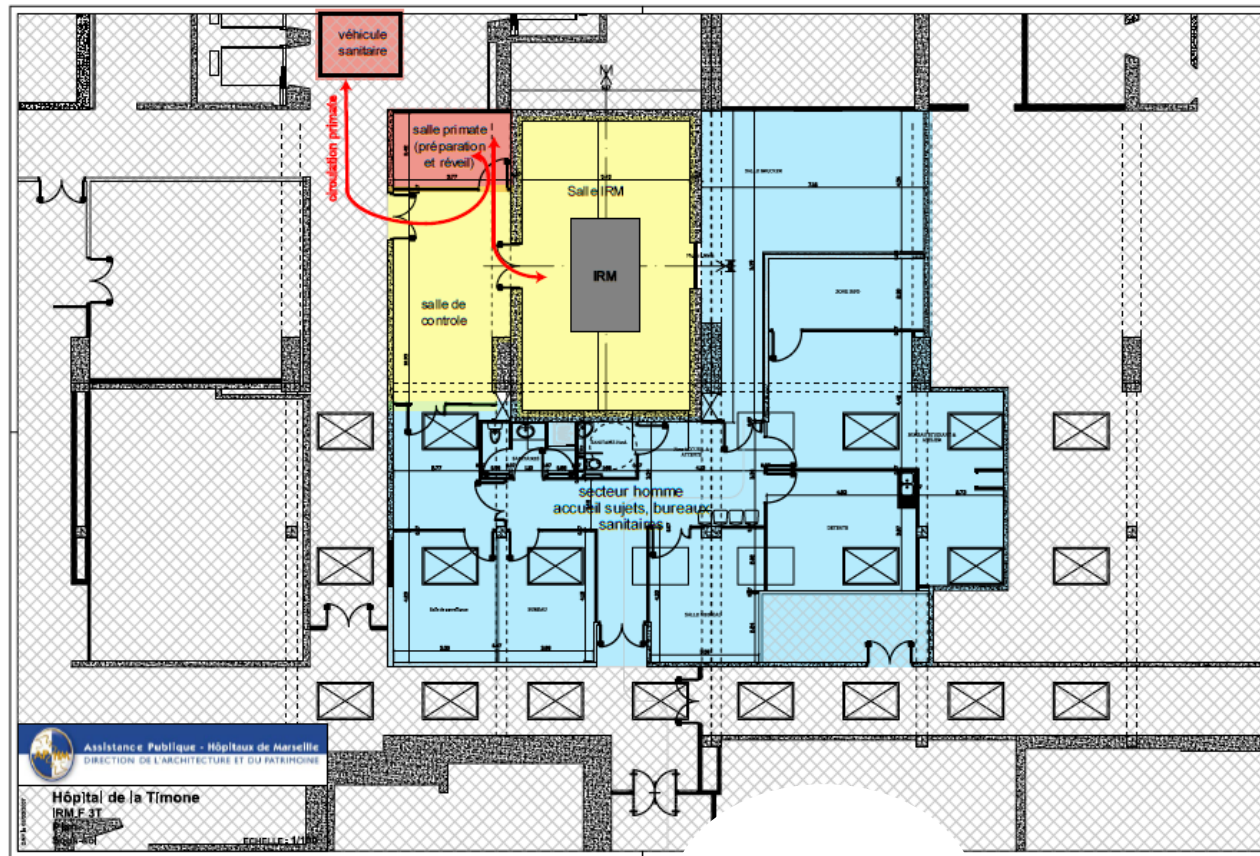

Centre IRM – INT

La plateforme de recherche en Imagerie par Résonance Magnétique de l'Institut de Neurosciences de la Timone (INT) installée au sein du Centre Européen de Recherche en Imagerie Médicale (CERIMED – Campus Santé Timone, Marseille)

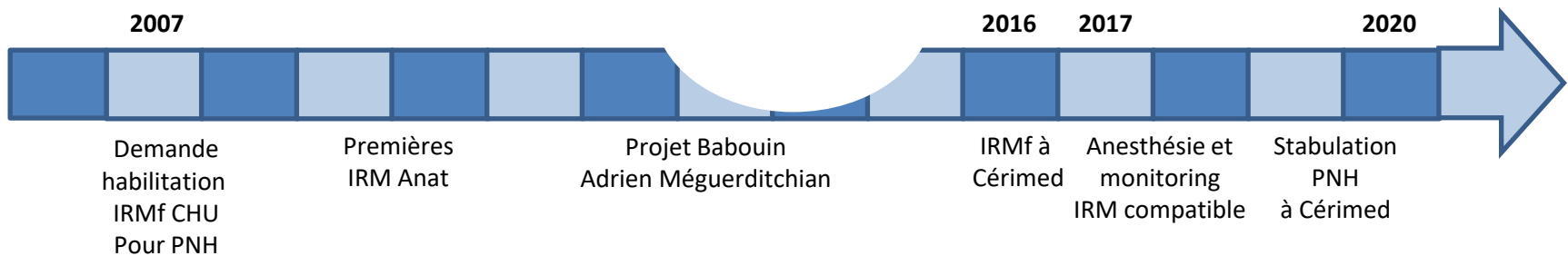
IRM sur le Modèle Primate Non-Humain



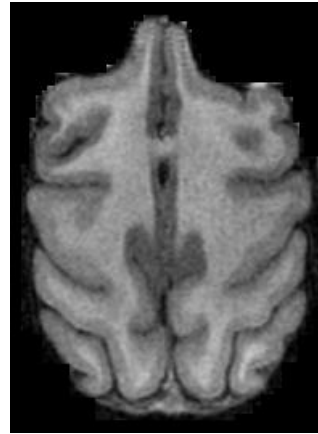
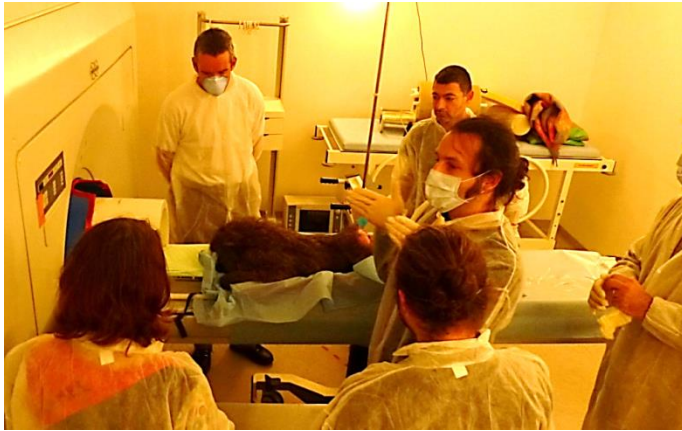
Un petit historique de l'IRM PNH à Marseille



Center IRMf
Hôpital de la
Timone

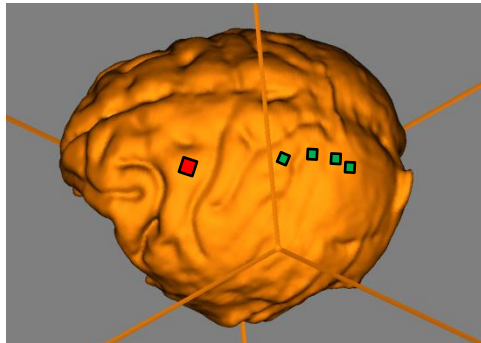


IRM anatomique

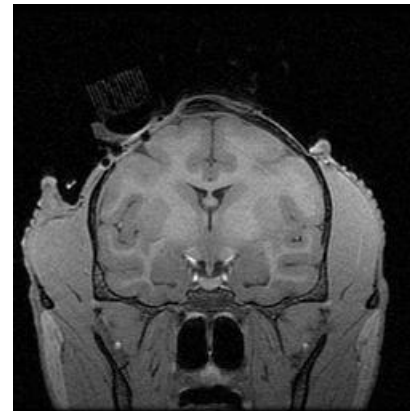
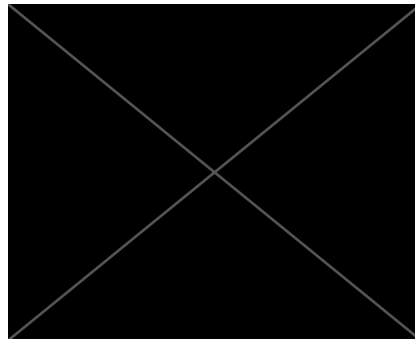


**Base de donnée IRM
babouins adultes
(3T Bruker)**

**Images bank T1 : 106 subjects
Resting State : 74 subjects
Vocal tract : 72 subjects**



**Localisation pré-opératoire de structures cibles pour
l'implant de matrices multi-électrodes**

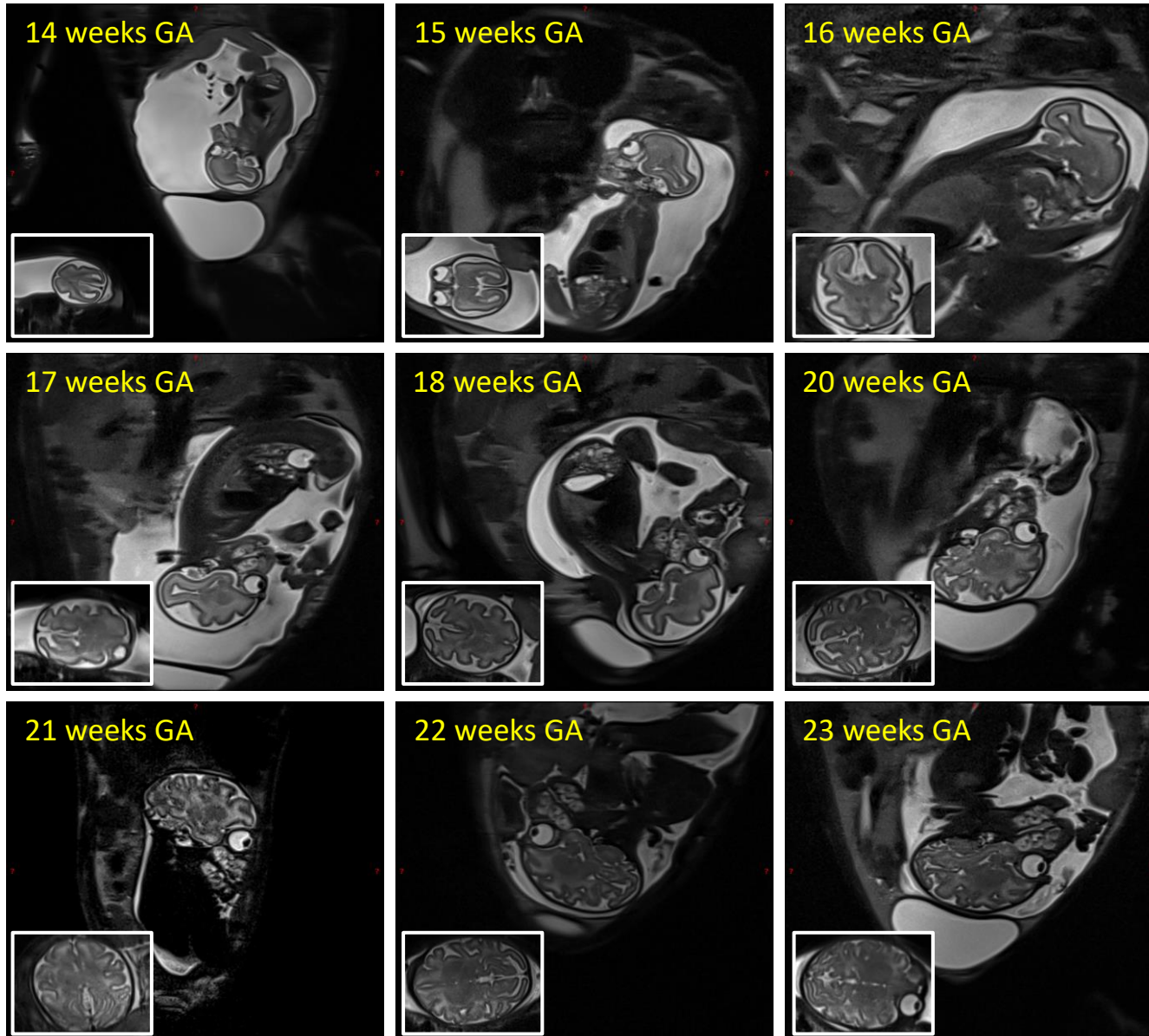


**Localisation post-opératoire
d'une chambre d'enregistrement**



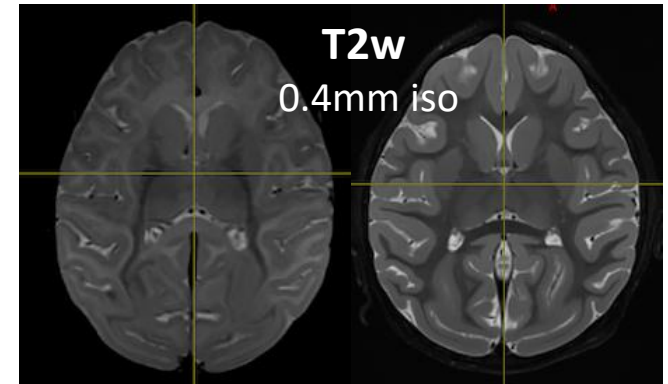
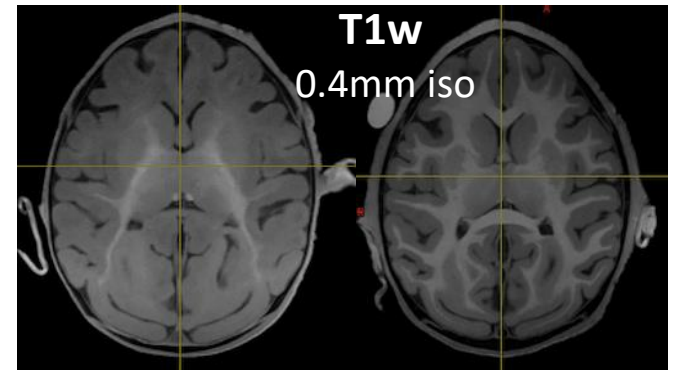
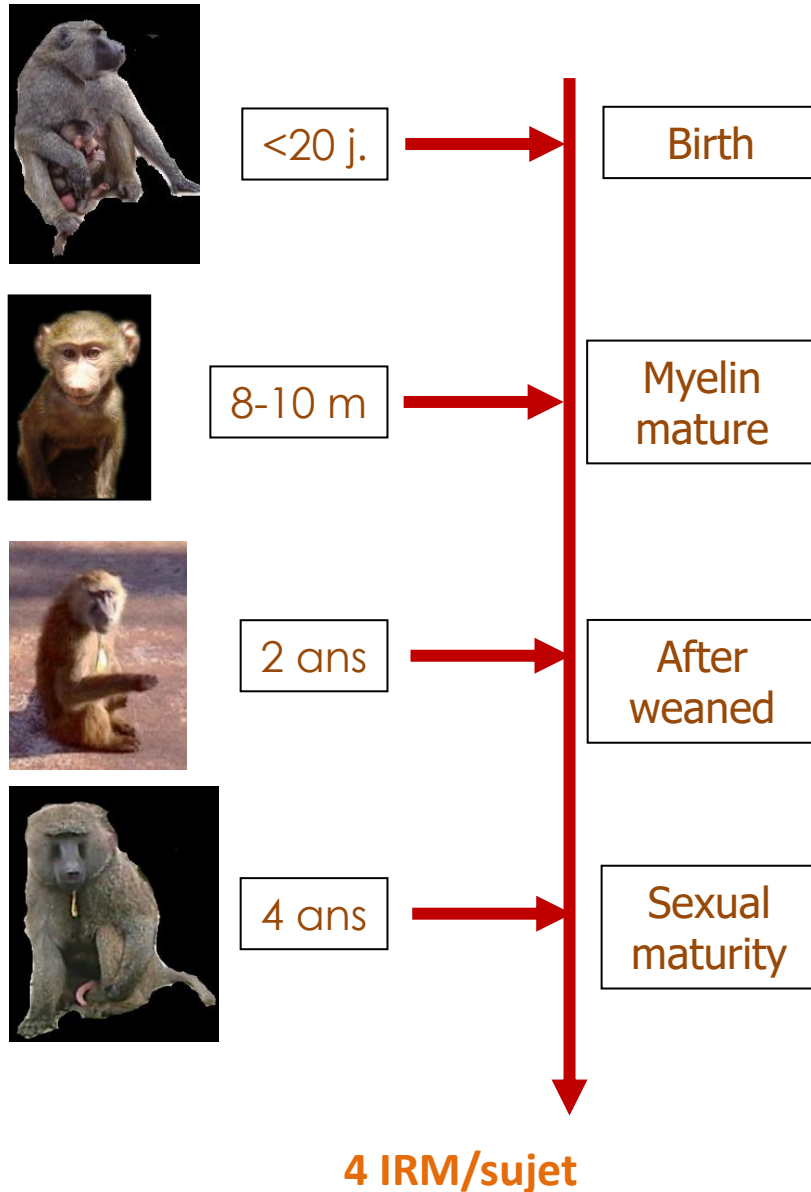
**Impression 3D de
modèle de crane pour
implants crâniens**

Suivi du développement cérébral chez le Babouin (prénatal, in-utéro)



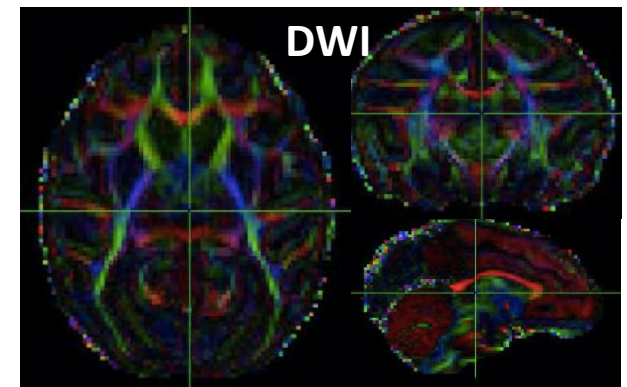
10 scans/femelle
gestante

Suivi du développement cérébral chez le Babouin (postnatal)

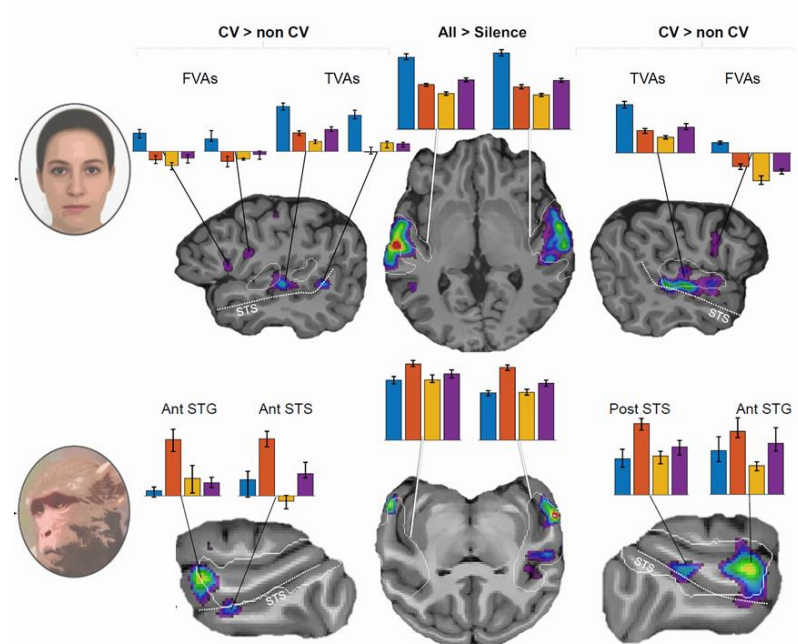
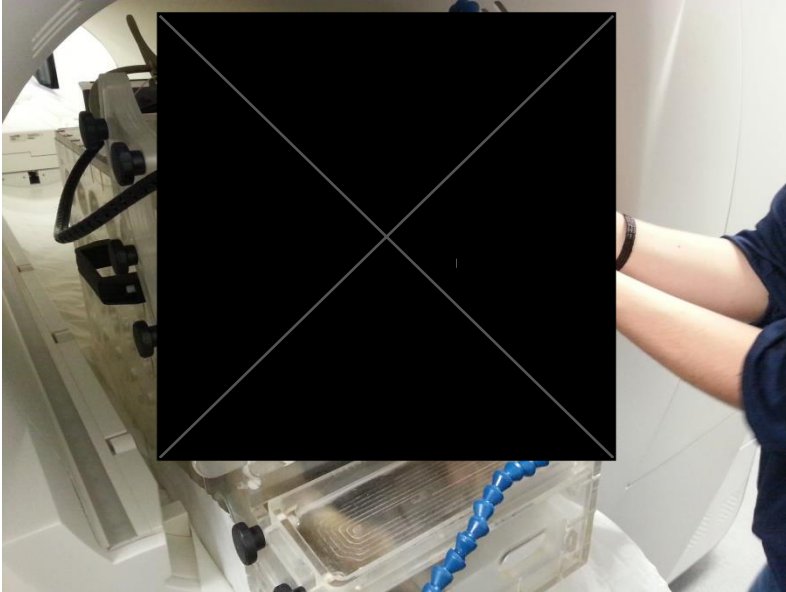


2 weeks

9 months

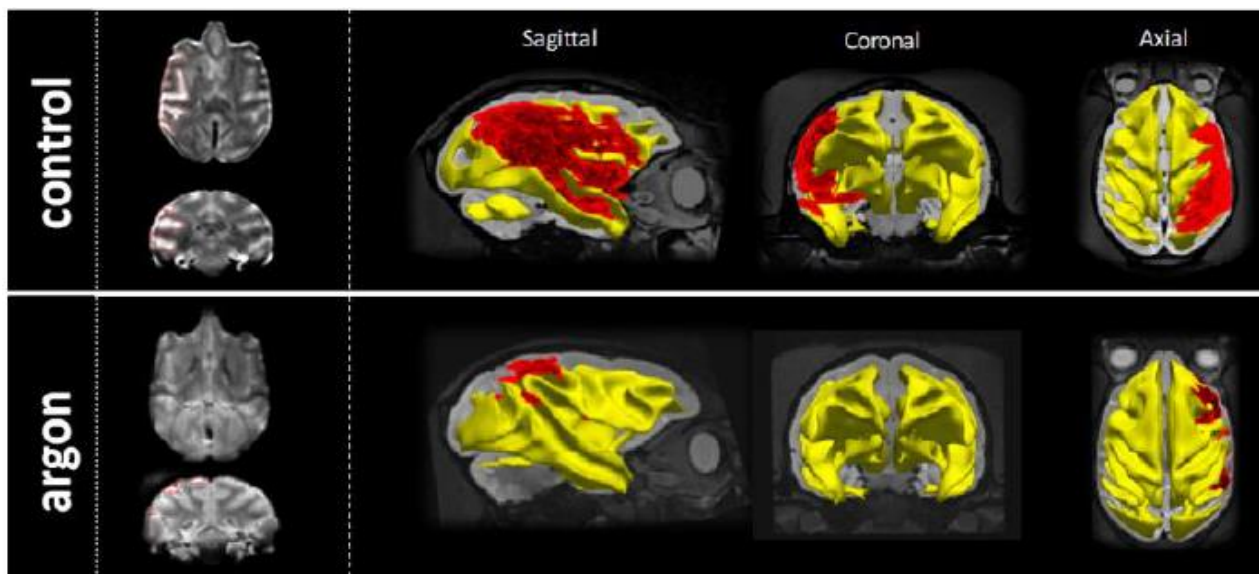
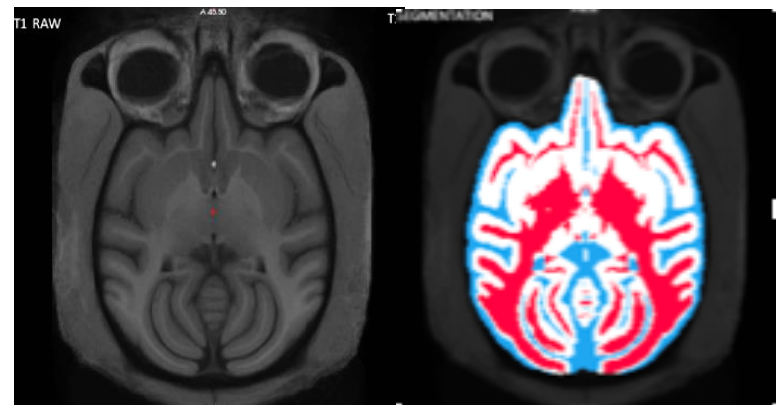
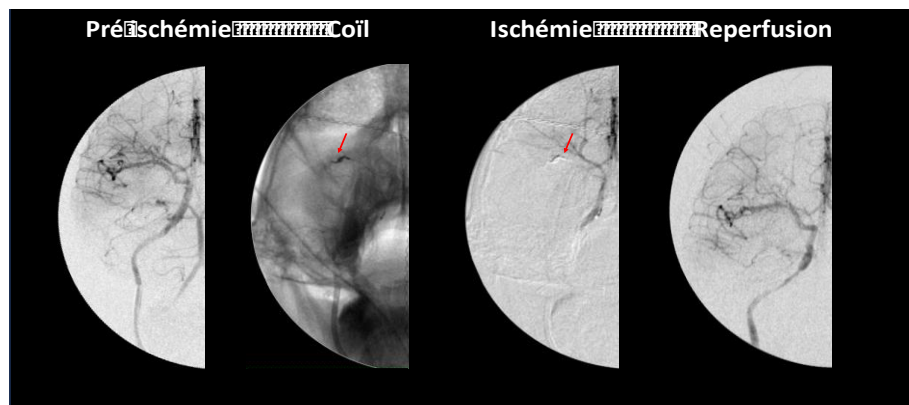


IRM fonctionnelle



Analyse comparative des aires corticales du traitement des informations de voix chez l'homme et le singe macaque rhésus

Modèle AVC et neuroprotection



Reconstruction des volumes lésionnels sur image TRACE DW