Secteur des Sciences de la santé

Faculté de Médecine

Cours WMDS ANAT 1311

Année académique 2019-2020

Neuroanatomie radiologique

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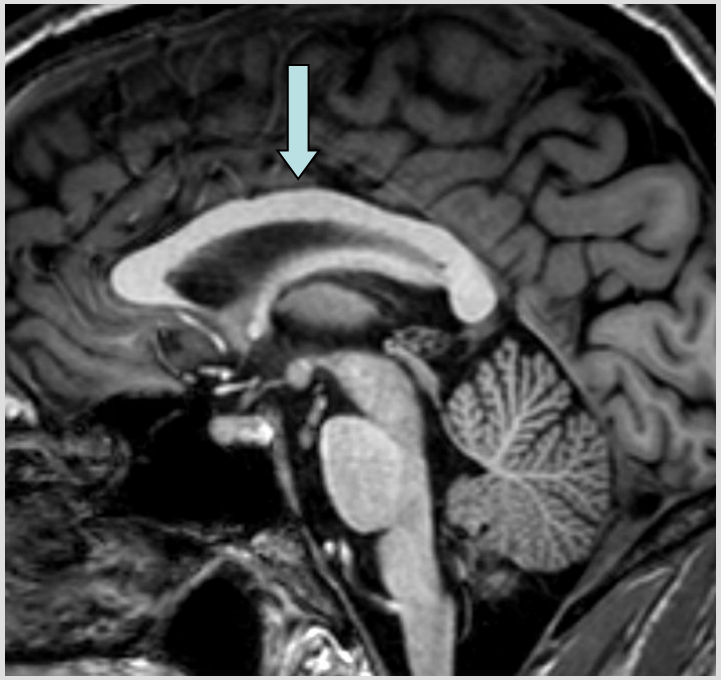
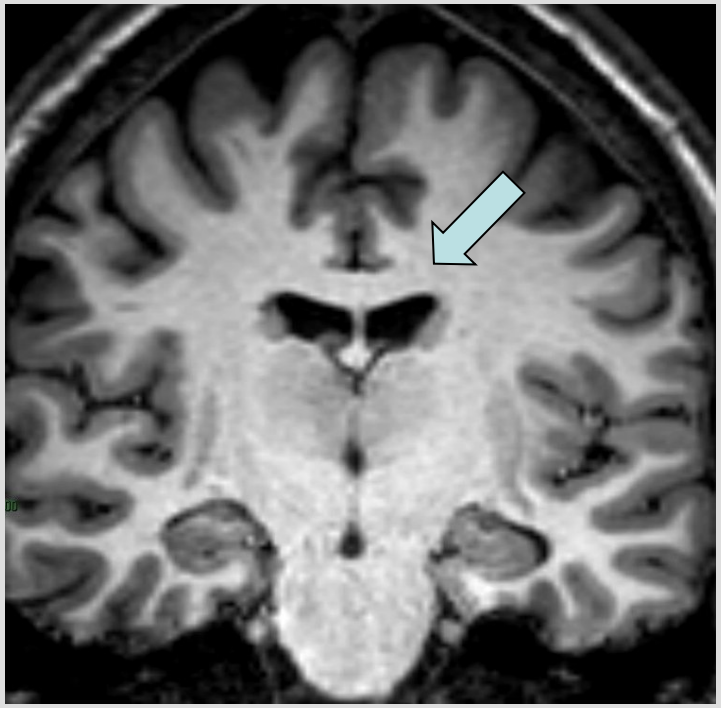
Module 6: anatomie de la connectivité

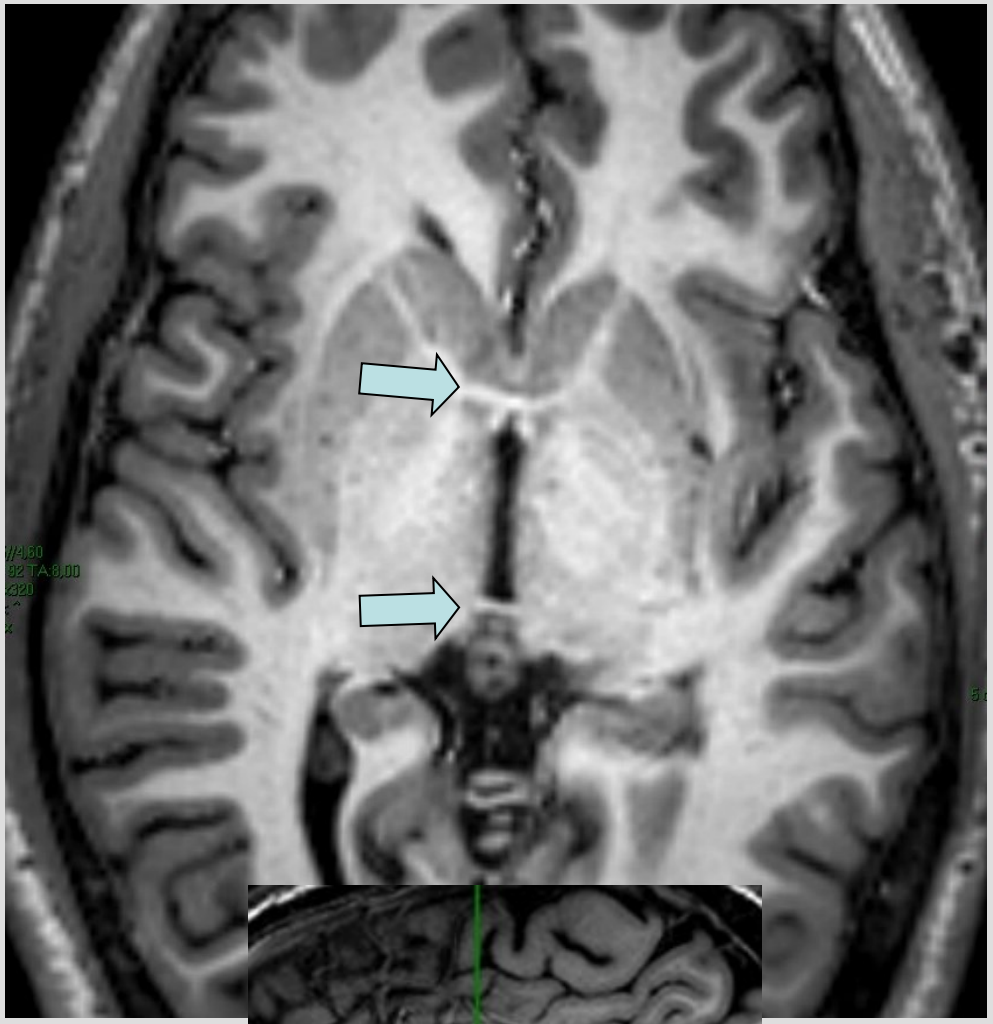
Les **fibres commissurales (commissures)**
associent en miroir des régions des ***deux hémisphères cérébraux*** en ***traversant la ligne médiane***

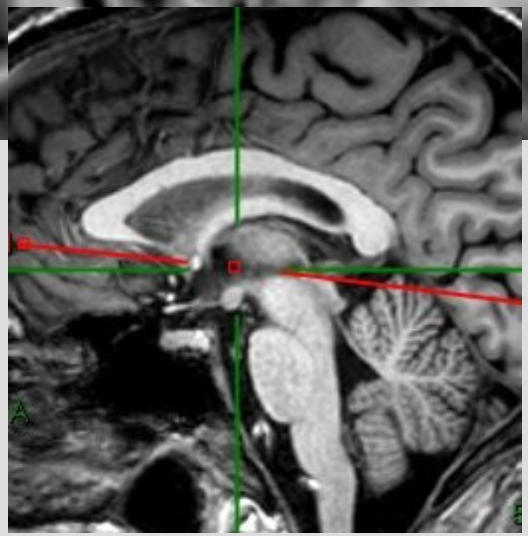
Les fibres de projection
relient le ***cortex cérébral*** aux structures sous-jacentes
ou vice-versa

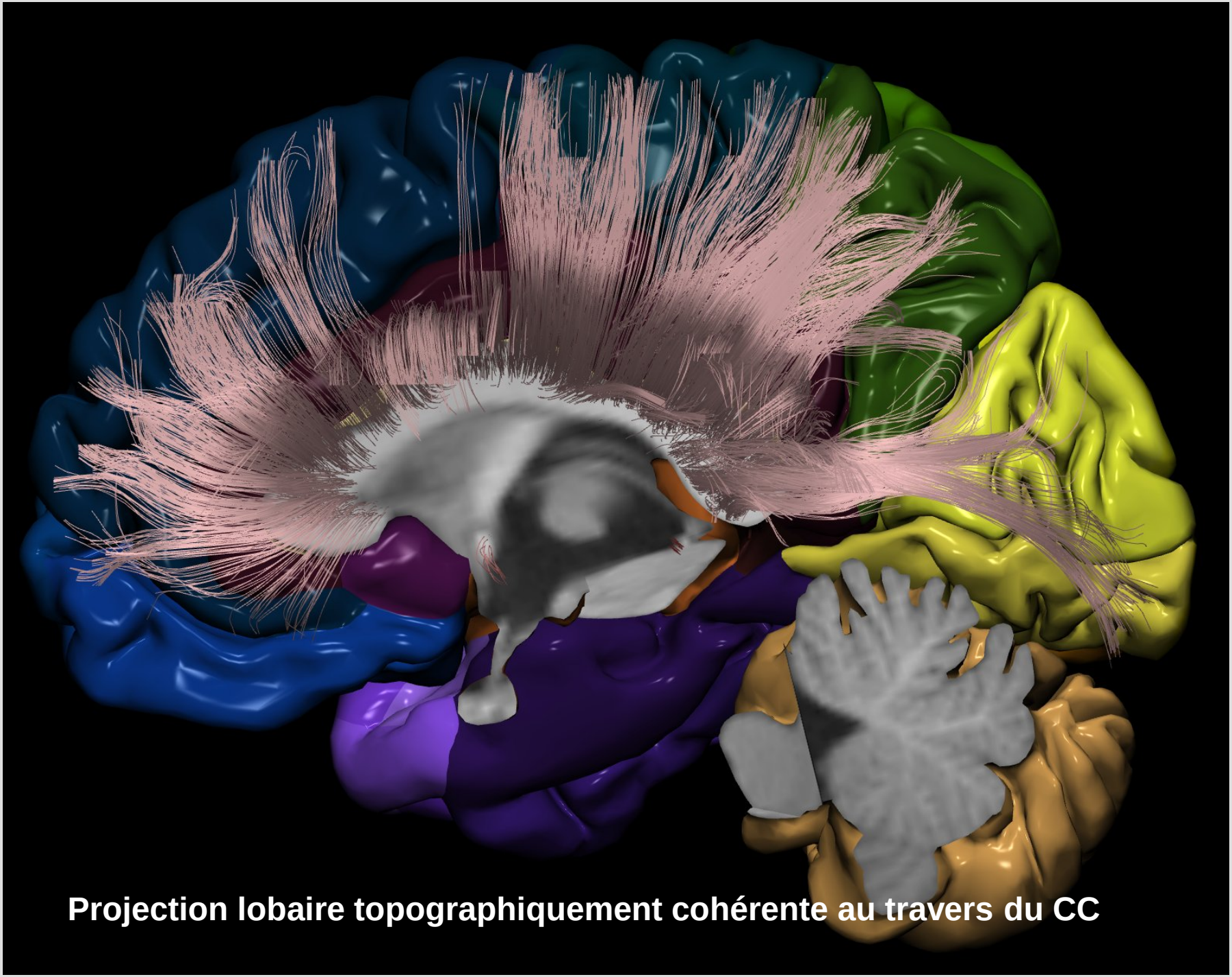
Les **faisceaux d'association**
relient des ***régions corticales différentes***
du ***même hémisphère cérébral***





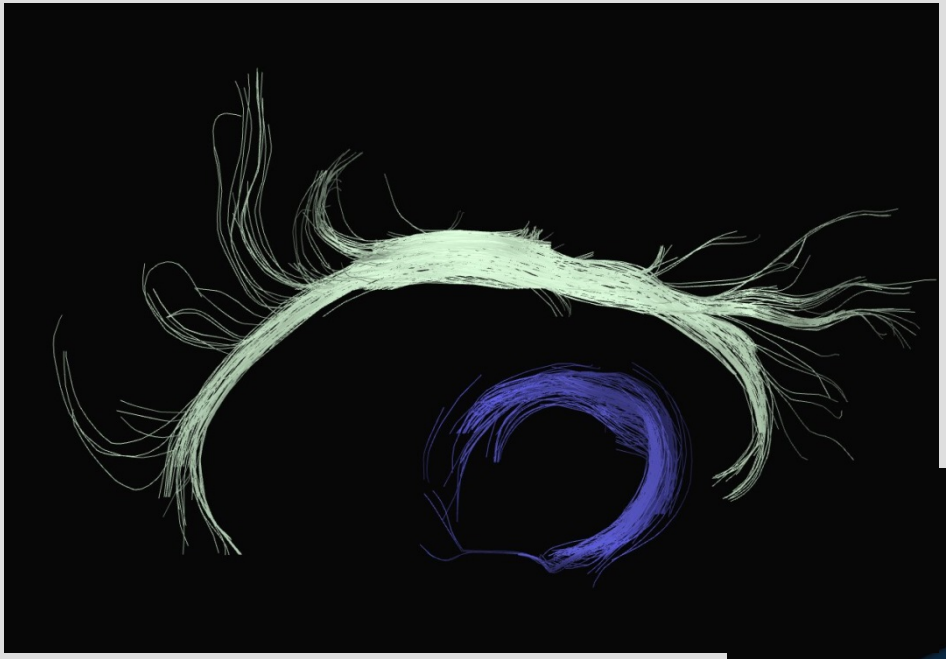






Projection lobaire topographiquement cohérente au travers du CC

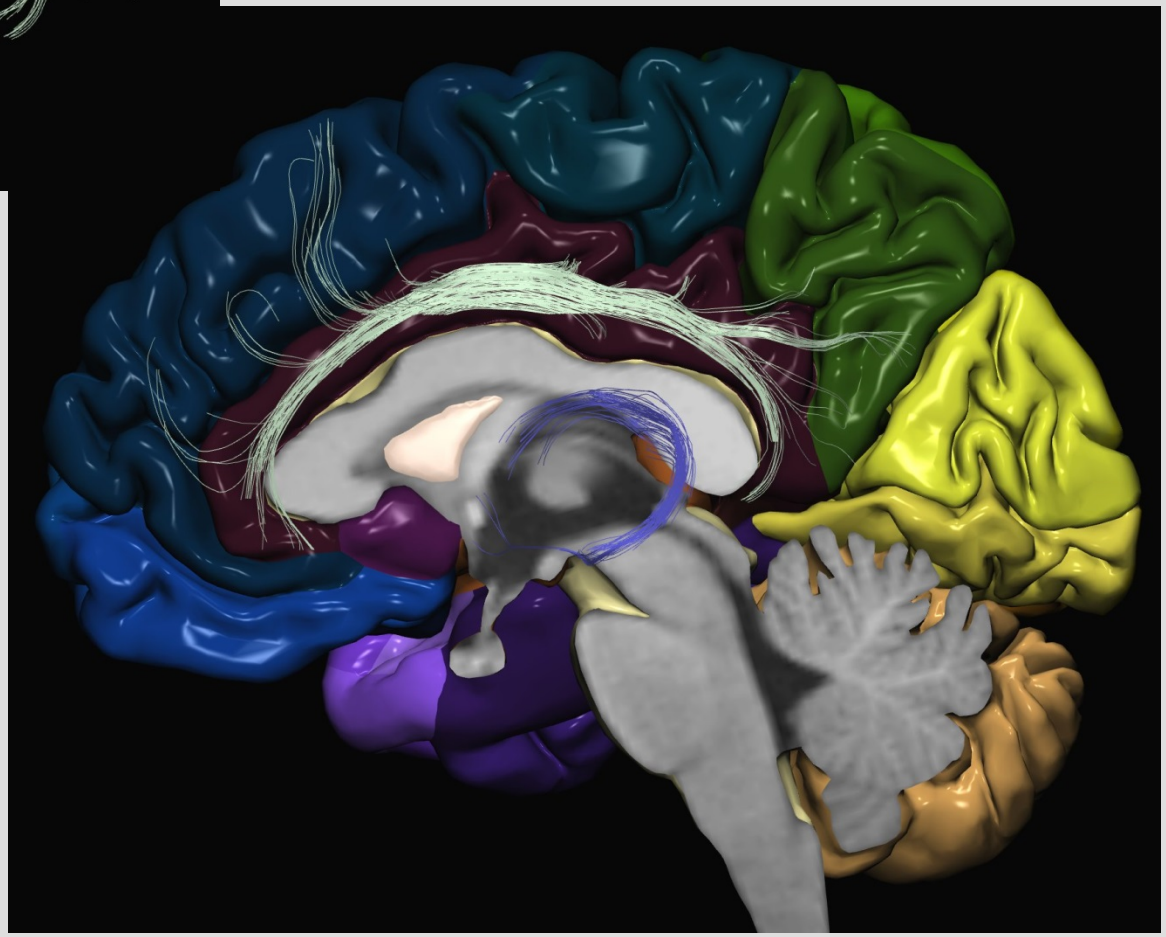
Faisceaux associatifs centraux

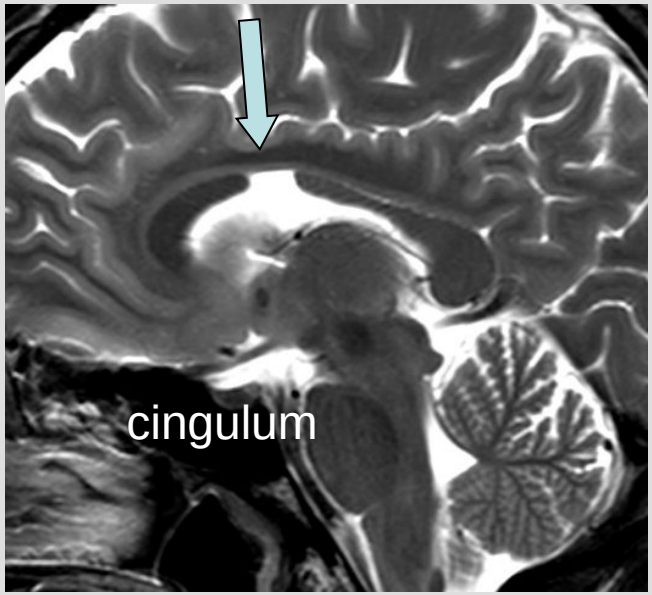


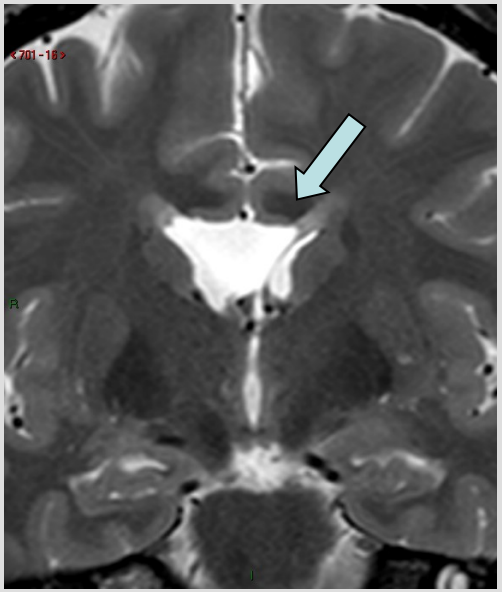
Référence anatomique de base

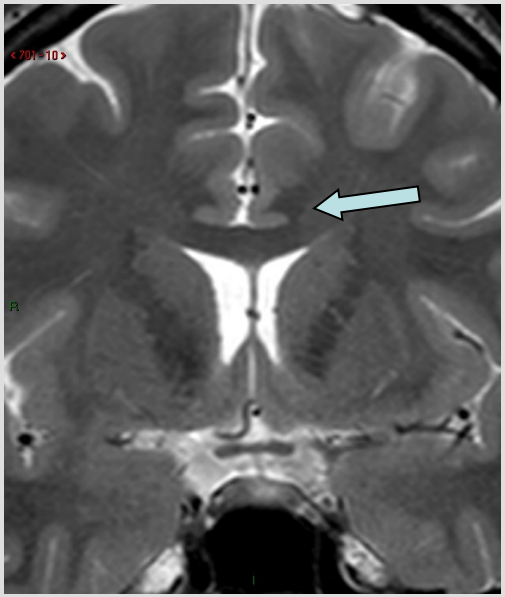
cingulum

fornix

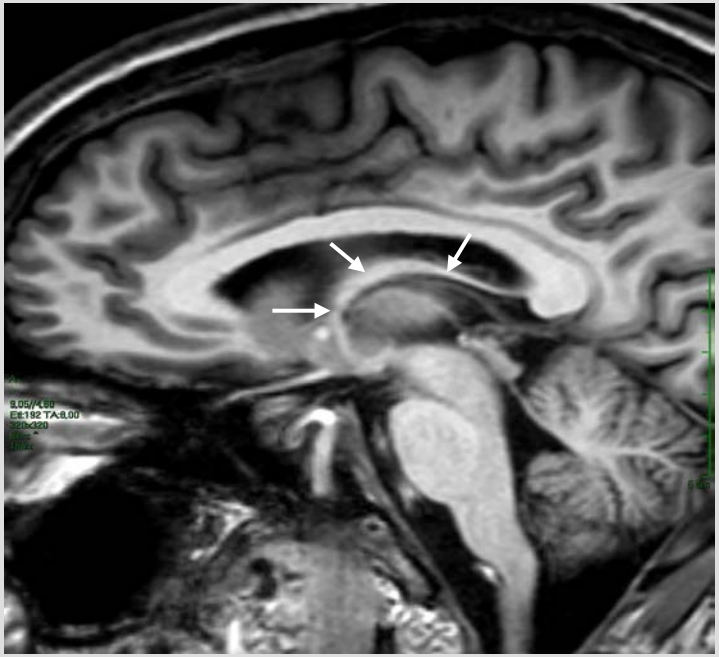


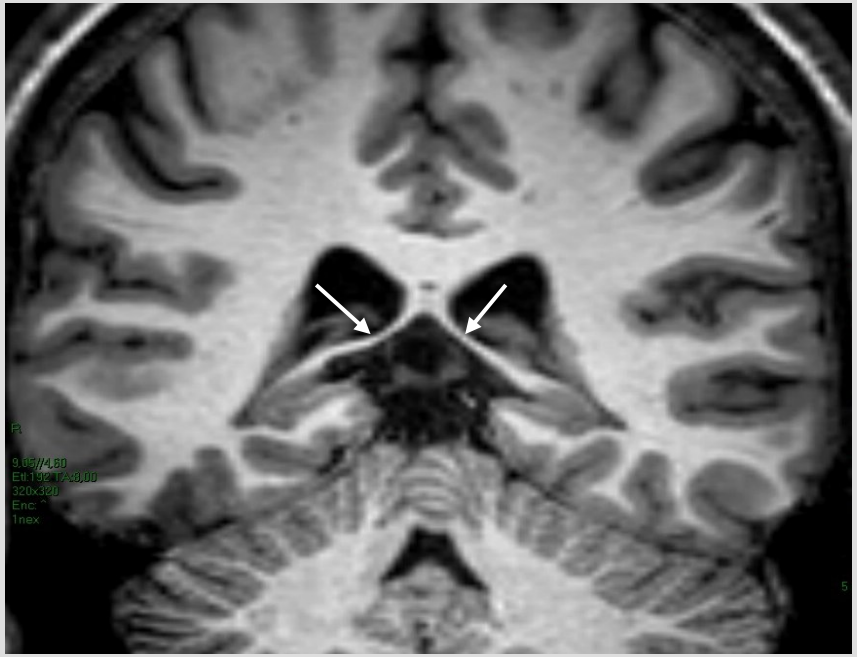






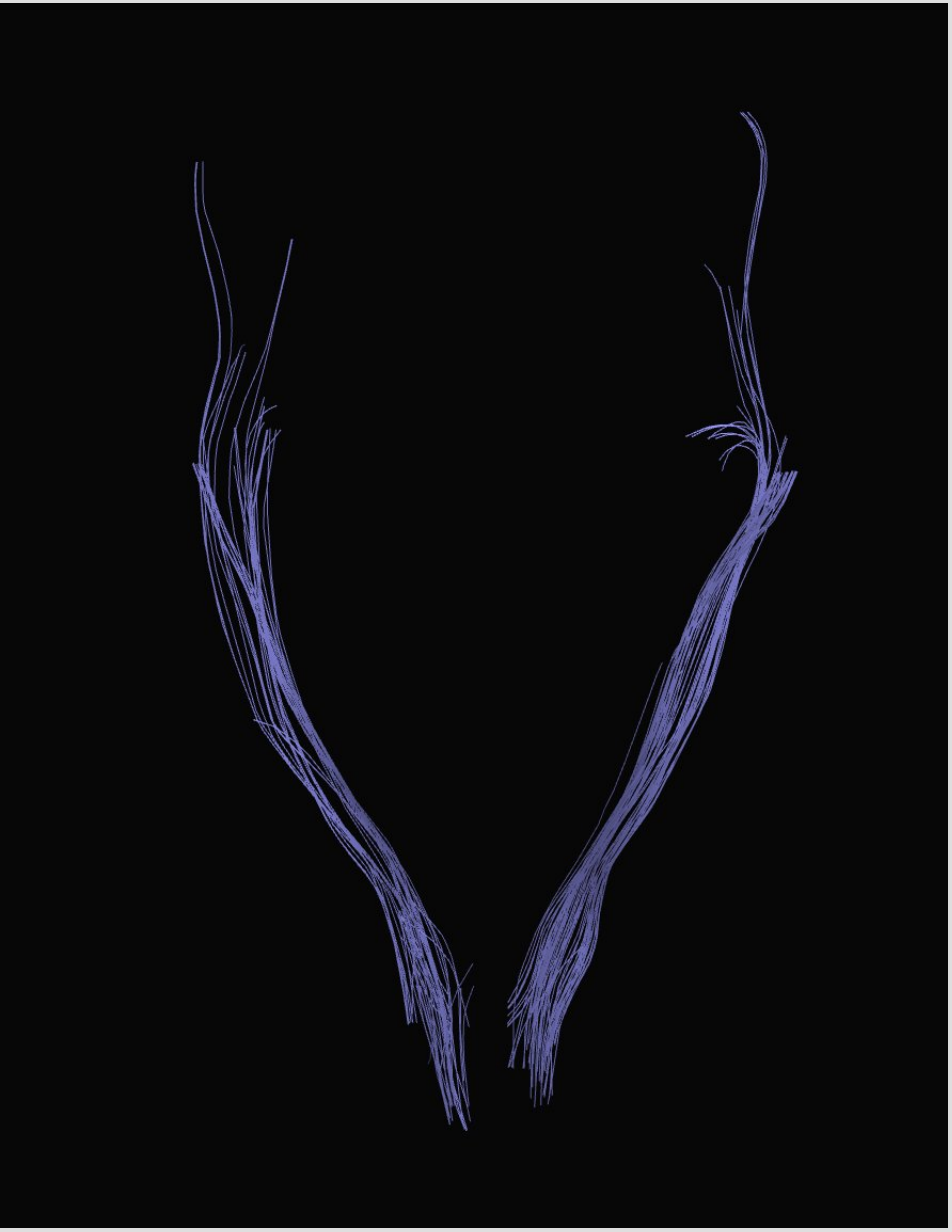
fornix

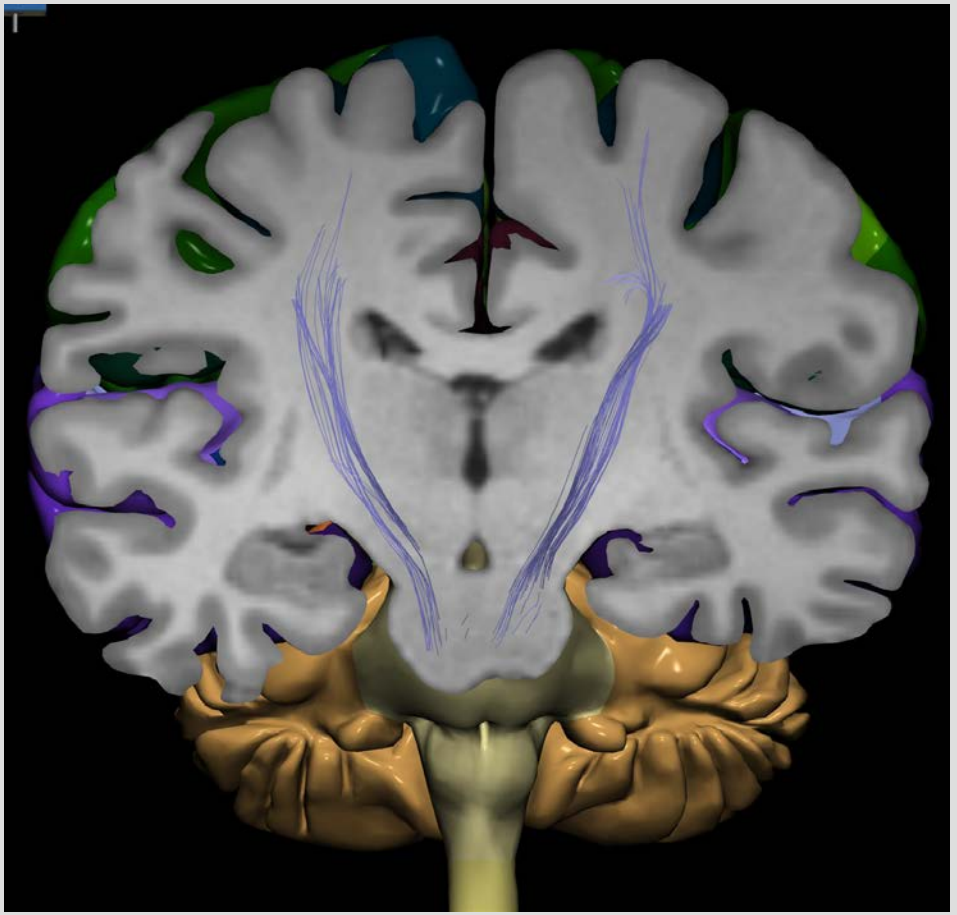




Fibres hippocampiques efférentes vers la région préoptique et tuber cinereum → influence du système limbique sur l'hypothalamus

Fibres de projection

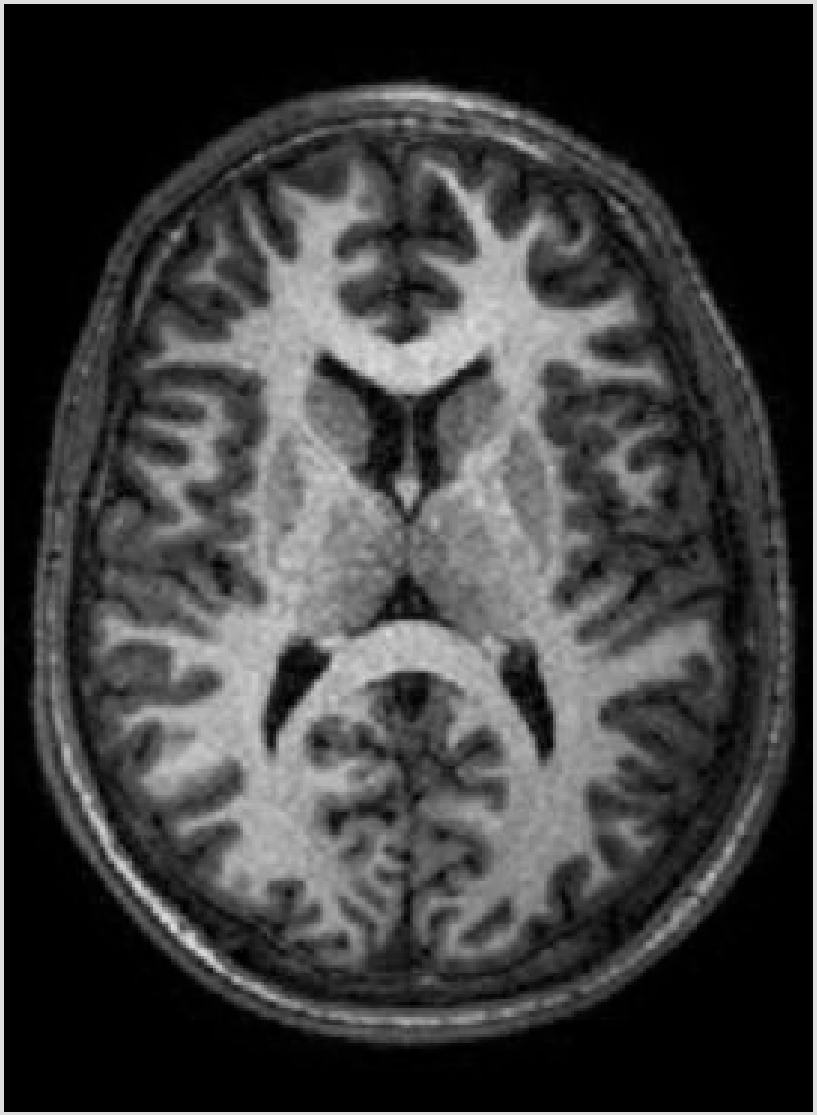


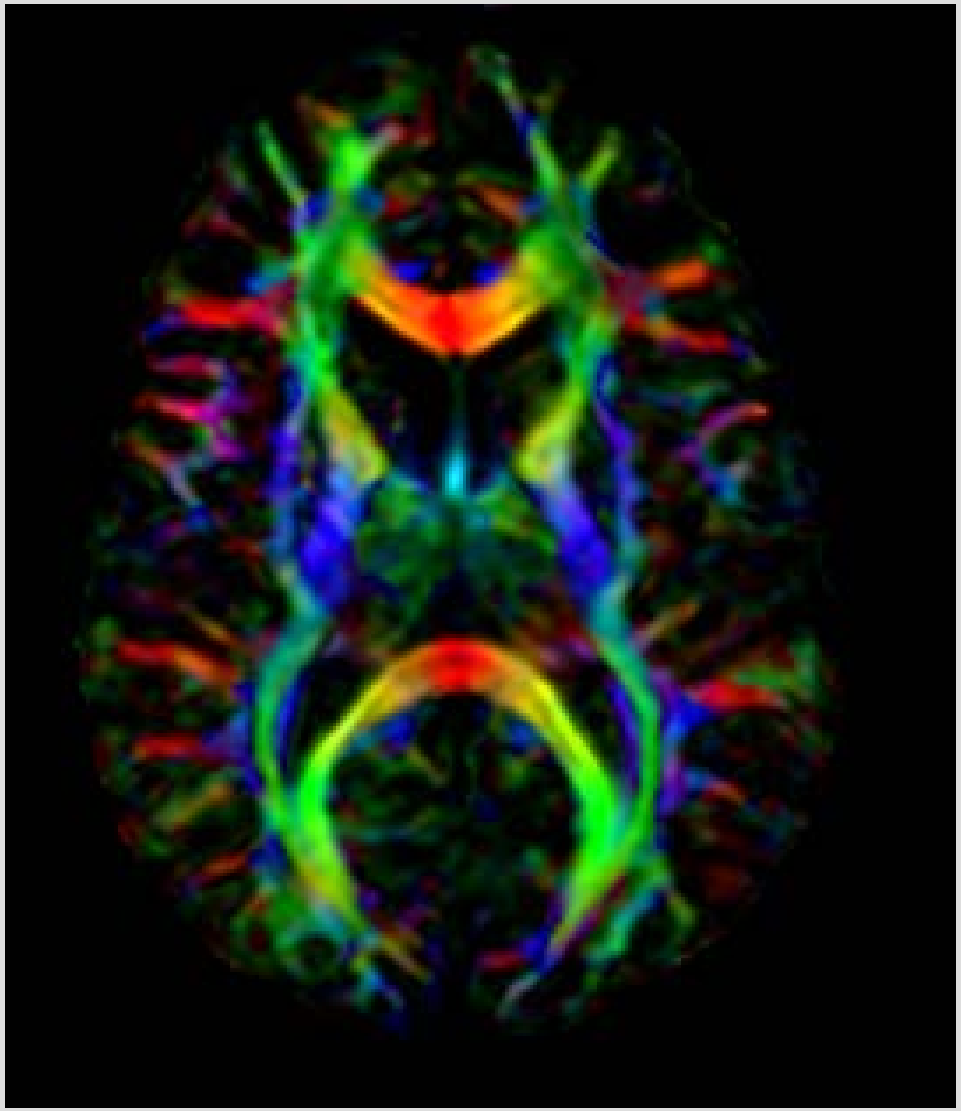


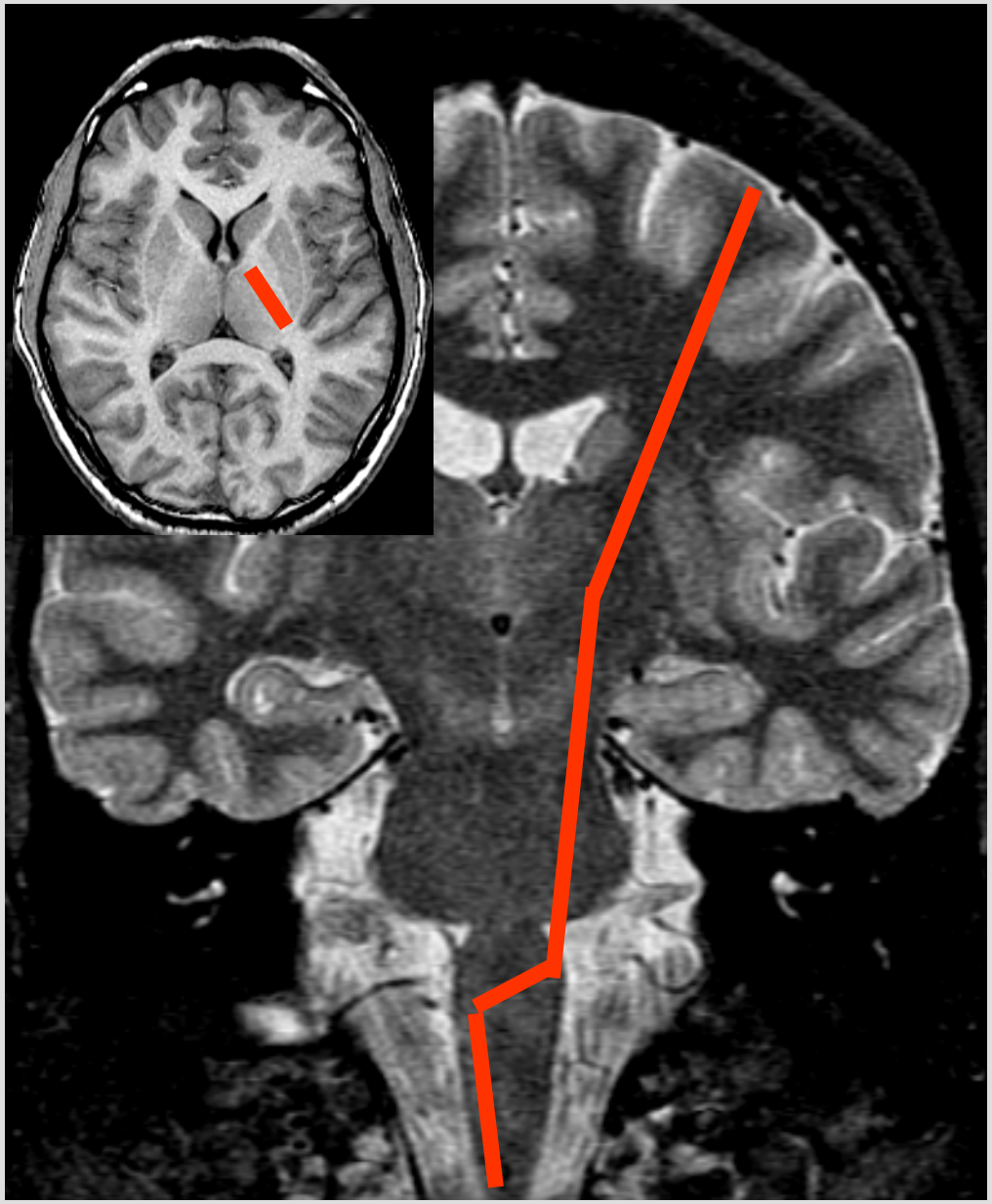
Faisceau cortico-spinal direct

Fonction: mouvements volontaires

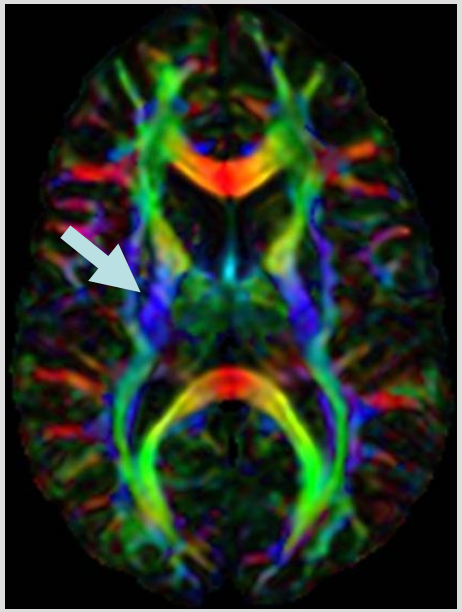
Anatomie de la connectivité in vivo: FT-DTI

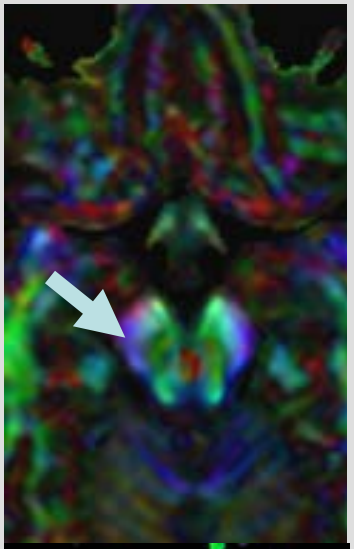


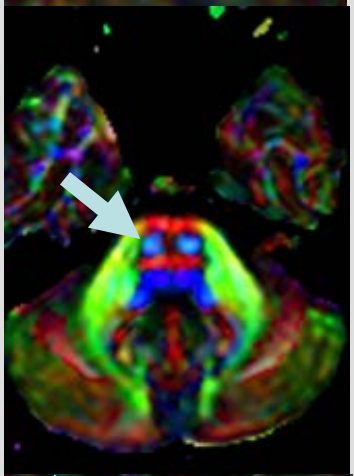


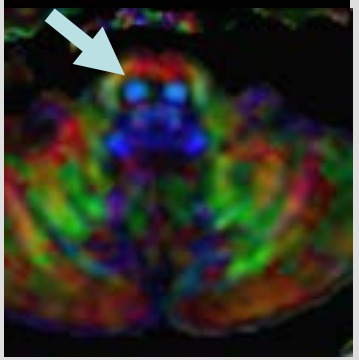


Décussation pyramidale: 85% controlatéral

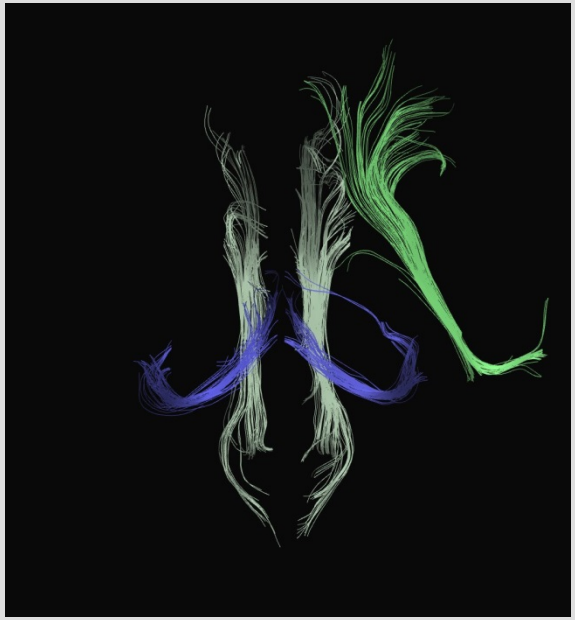




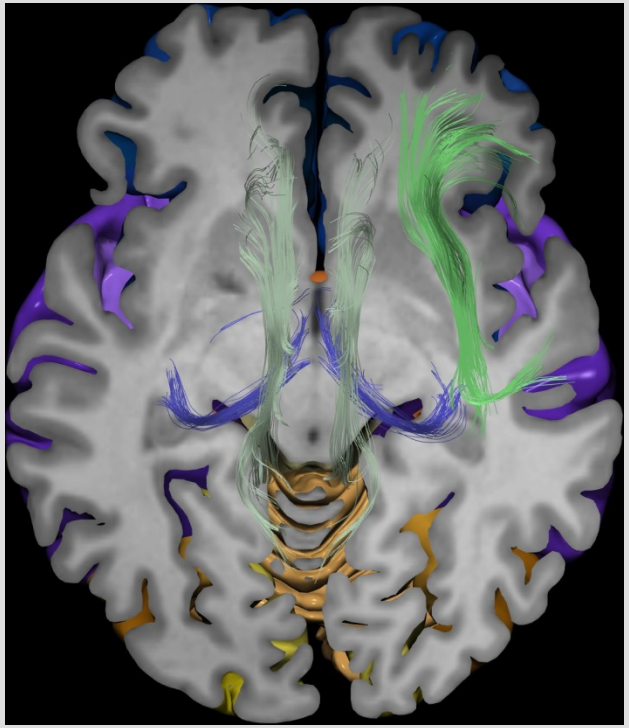


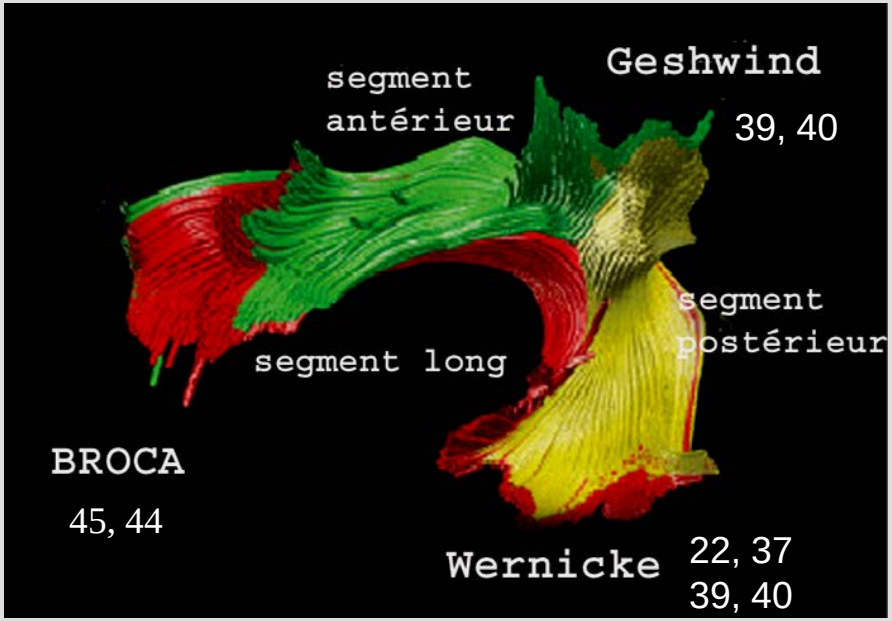


faisceau
cortico-spinal
direct
=
voie
pyramidale

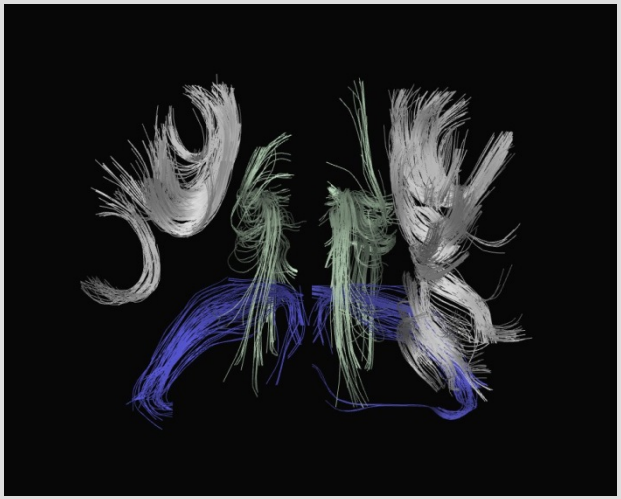


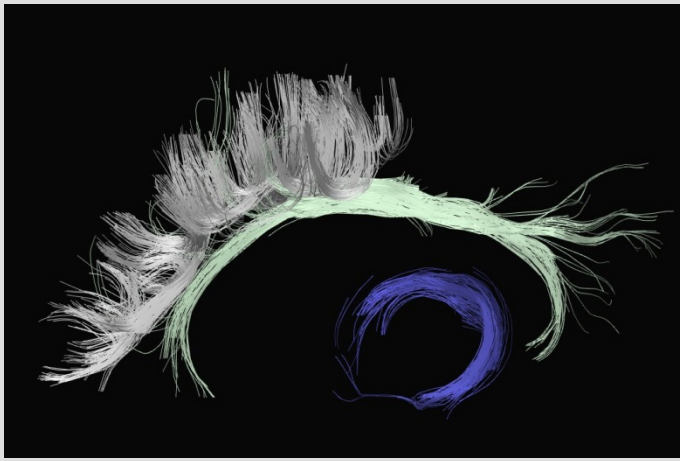
Faisceau arqué

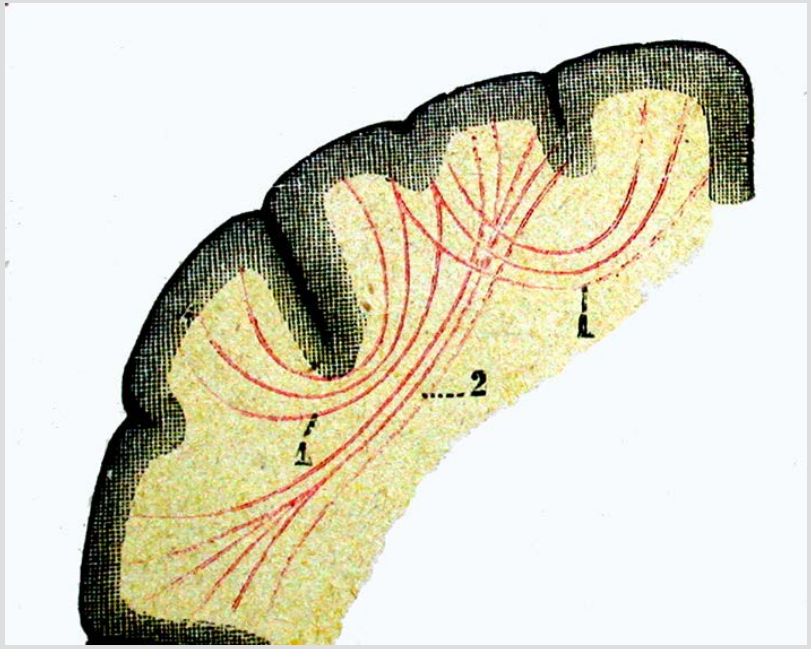


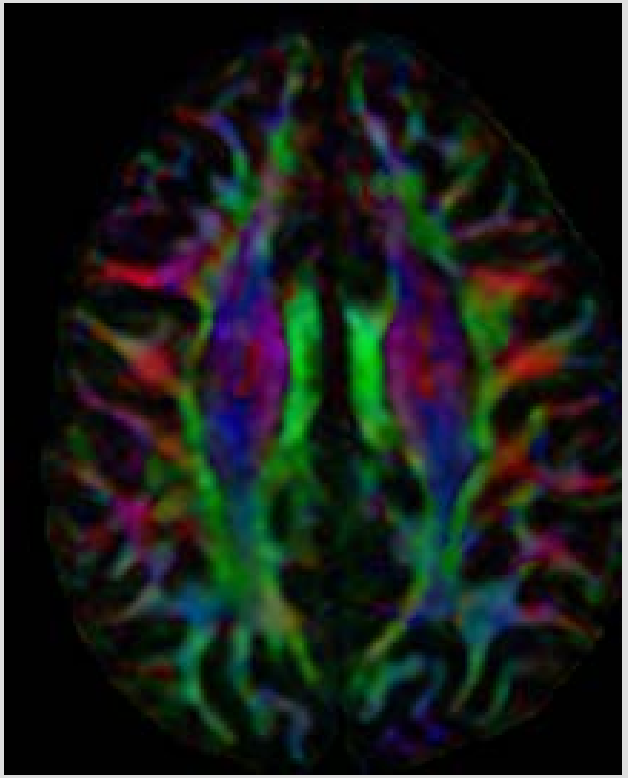


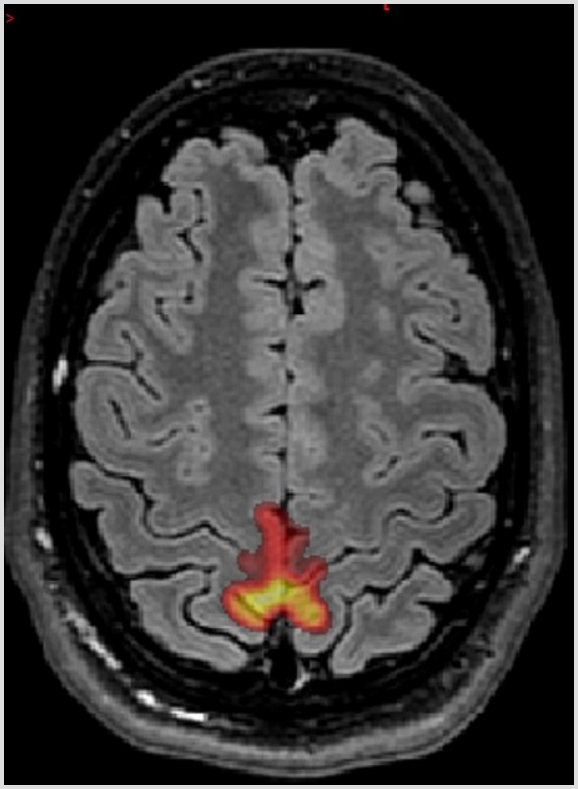
Fibres en U

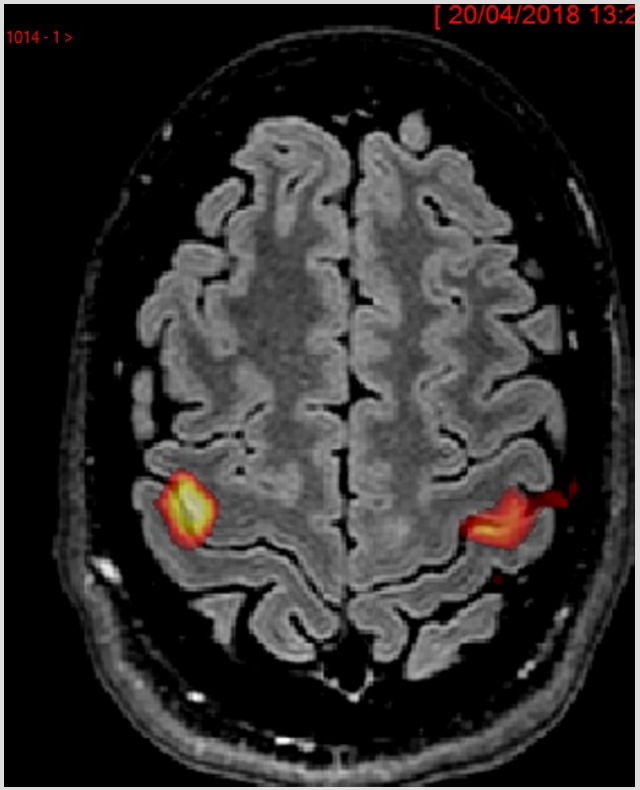








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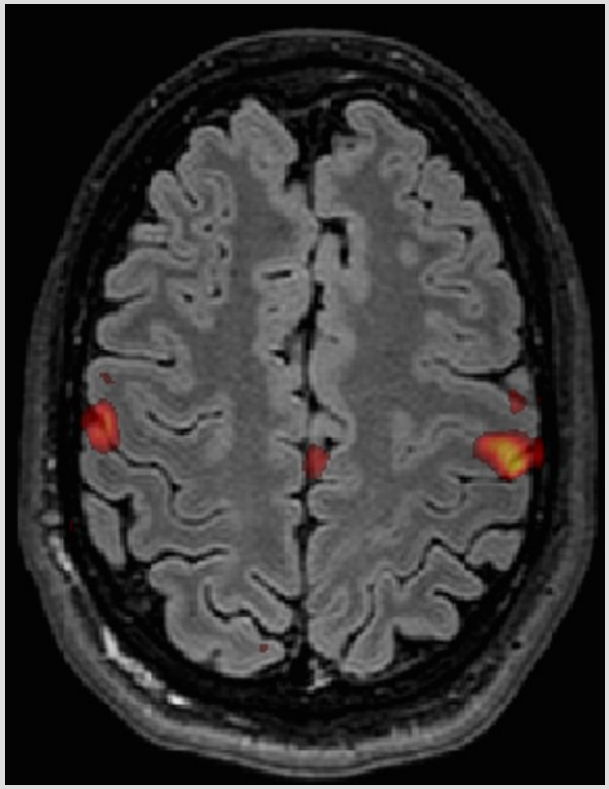
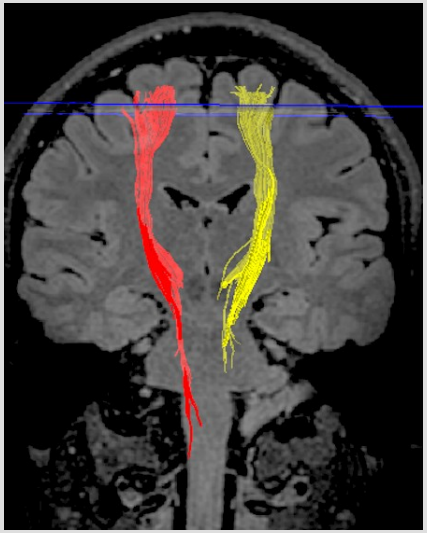
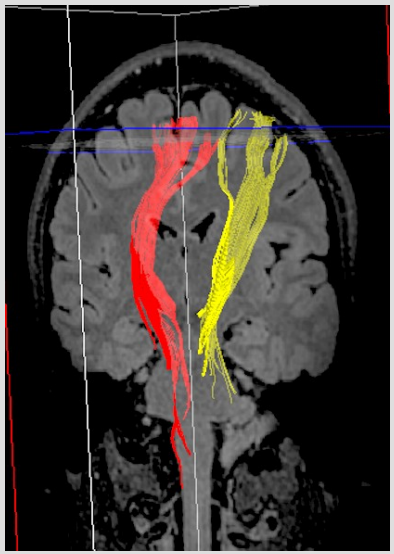
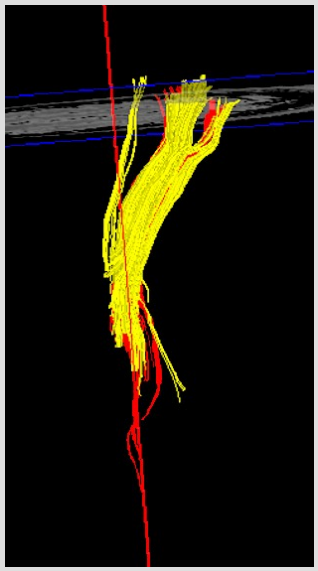
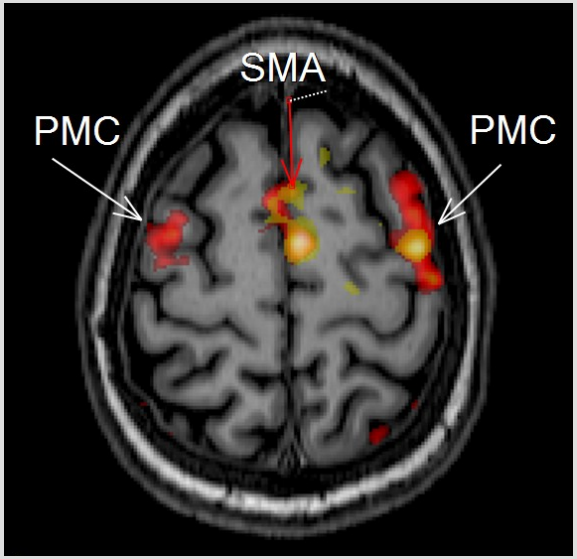
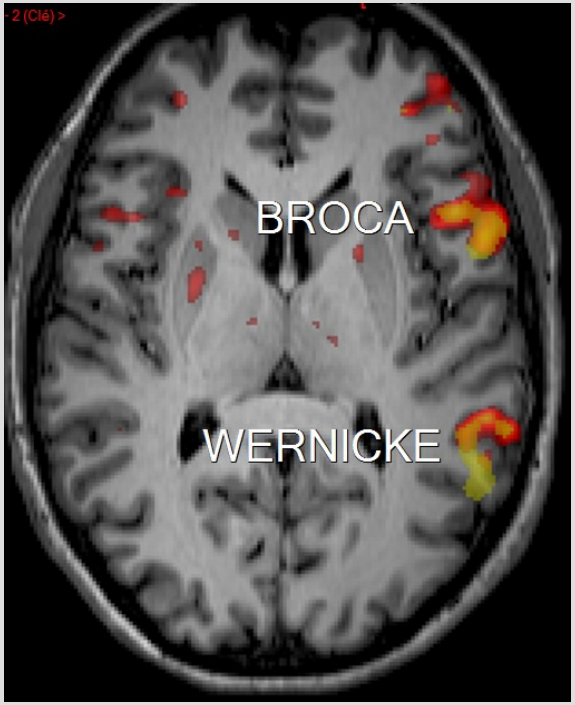


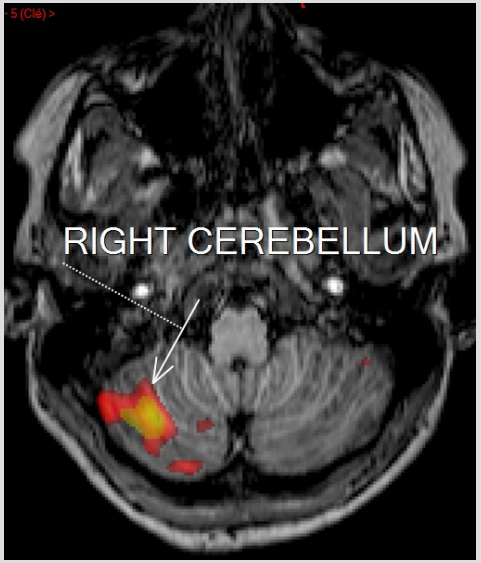


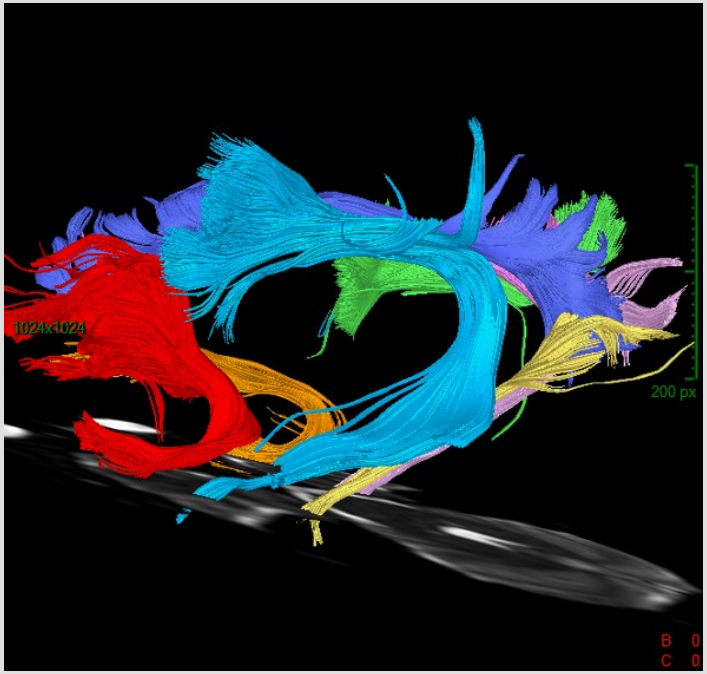





SMA
PMC
PMC


BROCA
WERNICKE


RIGHT CEREBELLUM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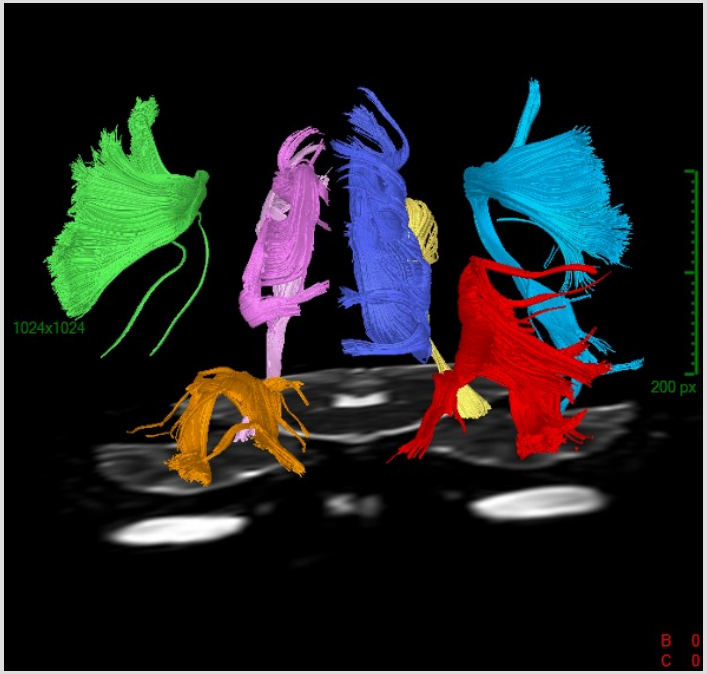
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