

The background is a light blue grid. There are several blue lines and circles: a vertical line on the left, a horizontal line near the top, a horizontal line below the title, and a vertical line on the right. Small blue circles are at the intersections of these lines. A solid blue rectangle is in the top right corner.

NEUROLOGIE ISOTOPIQUE

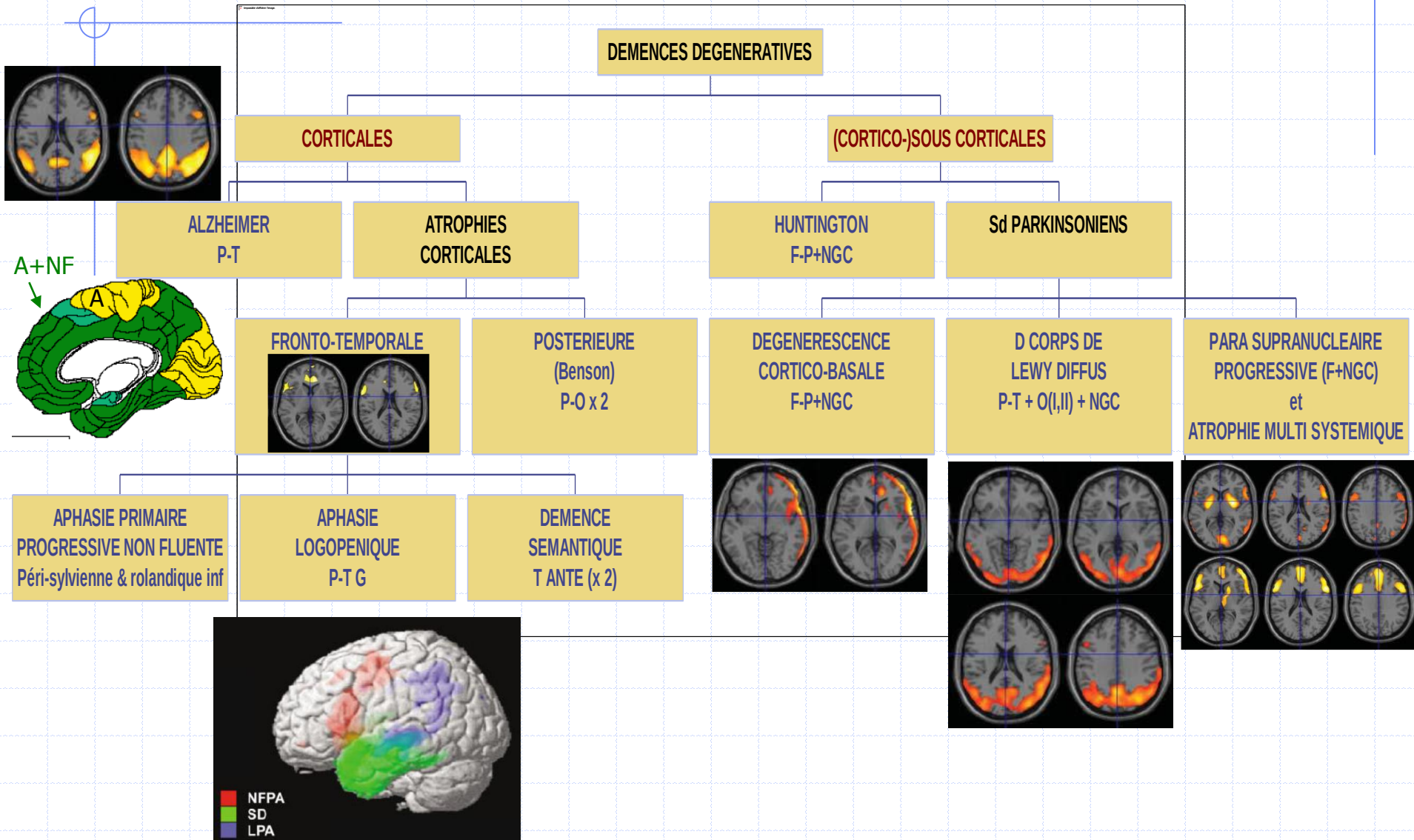
RADIOTRACEURS DISPONIBLES

- PERFUSION: ^{99m}Tc -ECD et ^{99m}Tc - HMPAO
- METABOLISME:
 - Neuronal: ^{18}F -DG
 - Dopamine :
 - Recapture dopamine: ^{123}I -FP-CIT (ioflupane = Datscan®)
 - Synthèse dopa: ^{18}F -DOPA
 - Plaques amyloïdes:
 - ^{18}F -florbetapir/ florbetapen ou flutemetamol

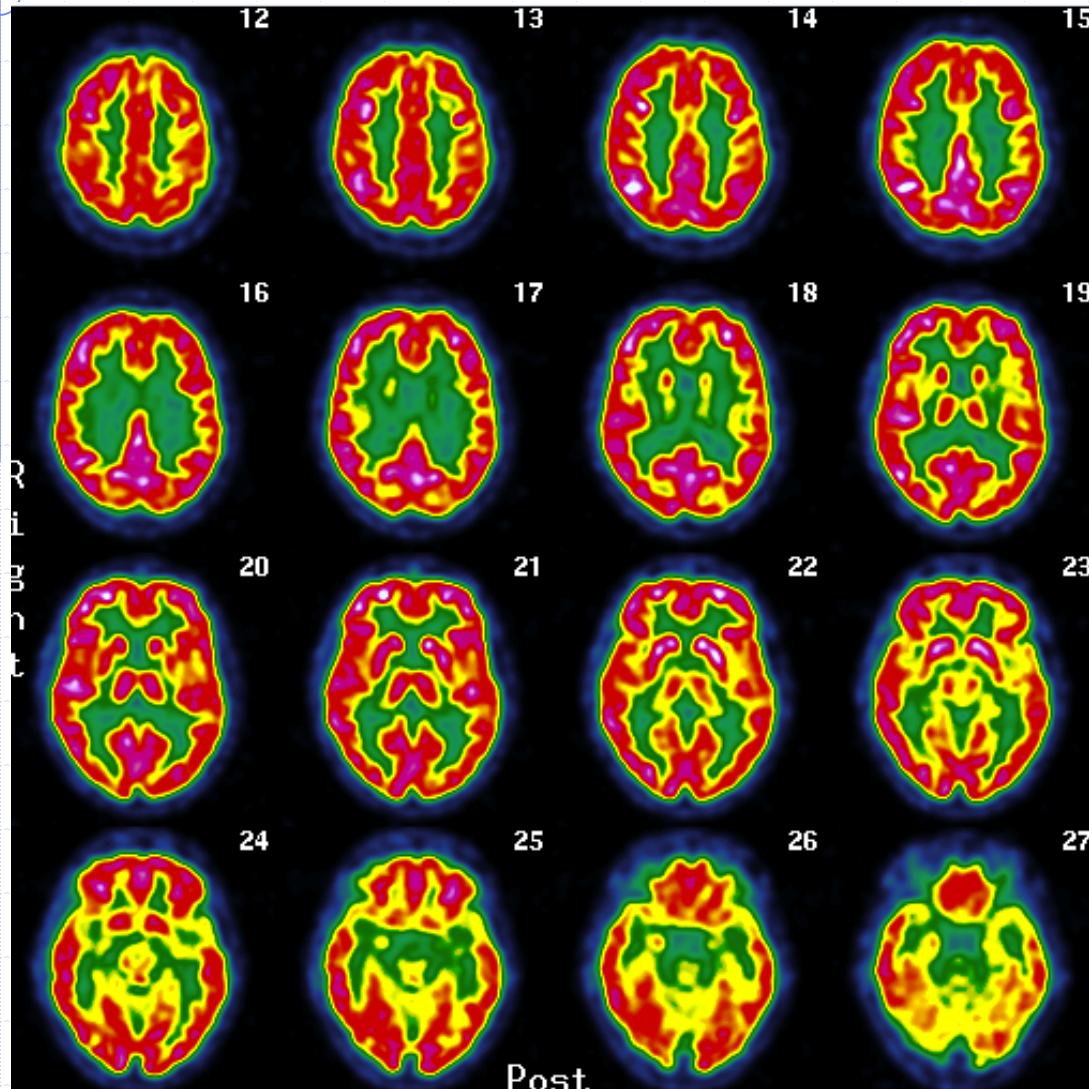
INDICATIONS PRINCIPALES

- **DIAGNOSTIC DE DEMENCES**
 - Dégénératives, vasculaires, Hydrocéphalie, Trauma
 - FDG préféré à ECD ou HMPAO, Plaques amyloïdes
- **EPILEPSIES PHARMACORESISTANTES**
 - Recherche de foyer
 - HMPAO ou ECD per et inter-critique
- **Syndromes PARKINSONNIENS (ioflupane)**
 - Tremblement essentiel versus PK
 - Alzheimer versus Démence à corps de Lewy diffus
- **TUMEURS CEREBRALES**
 - FDG (radionécrose versus récidive)
 - Thallium, FET,...

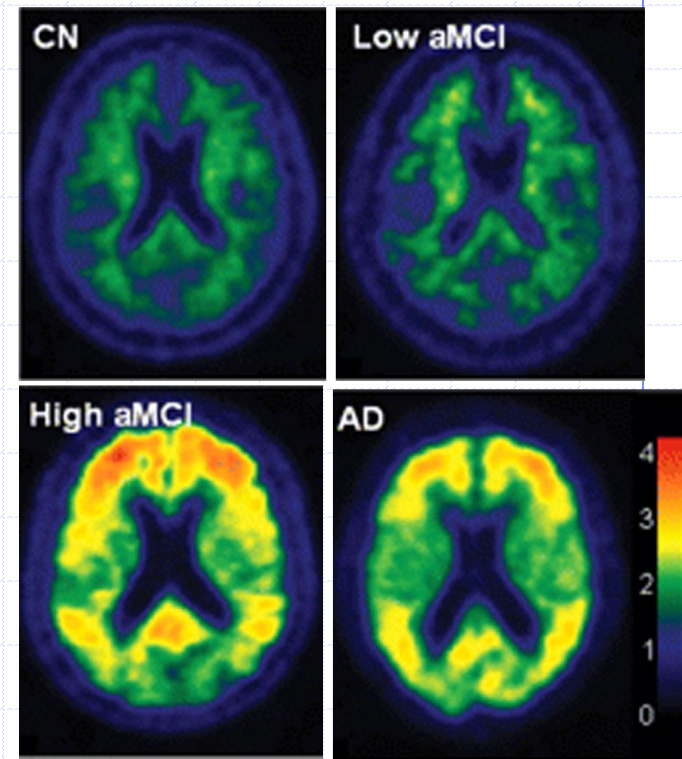
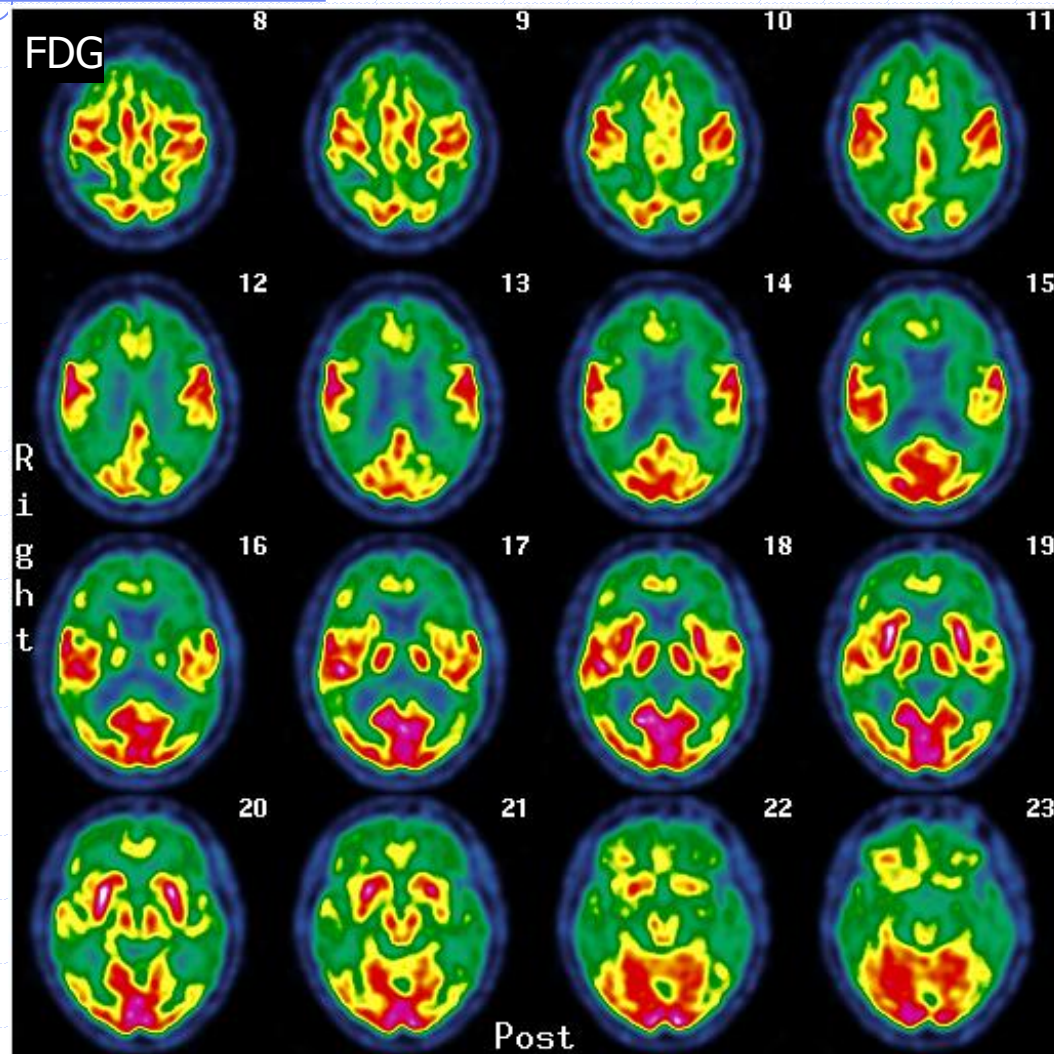
LE DEMENCES PRIMAIRES



TEP ^{18}F -DG NORMALE



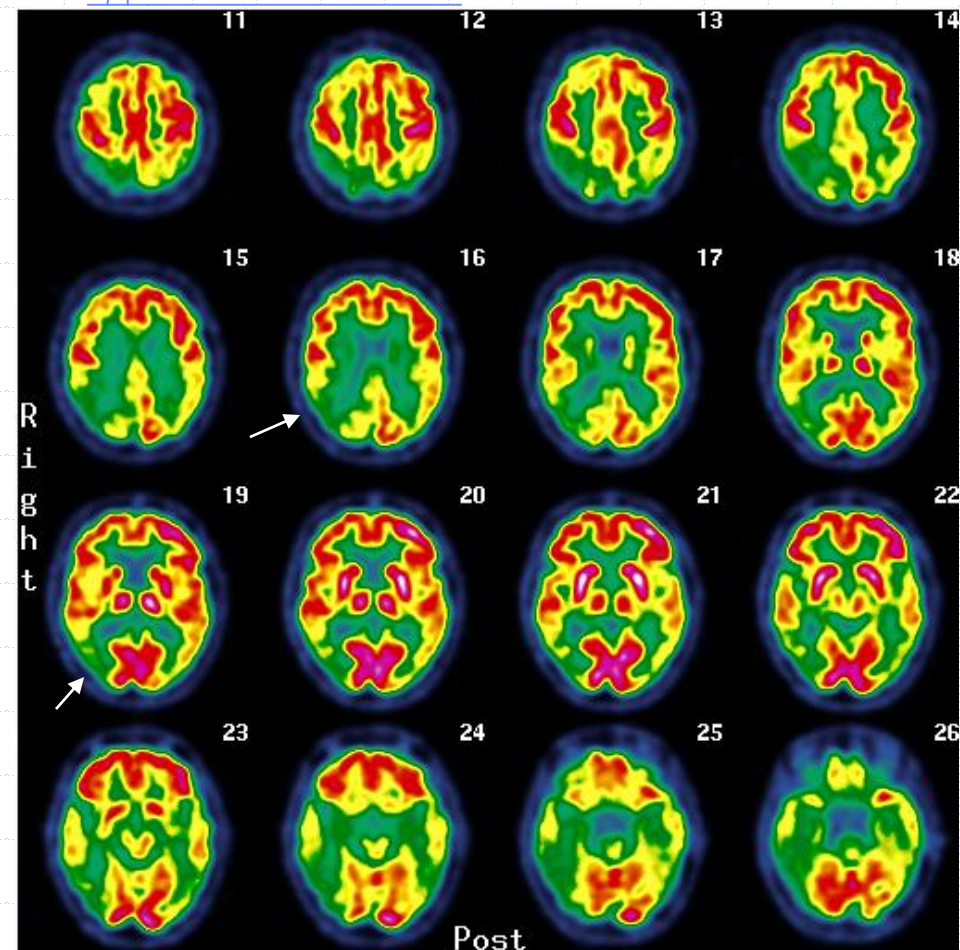
ALZHEIMER



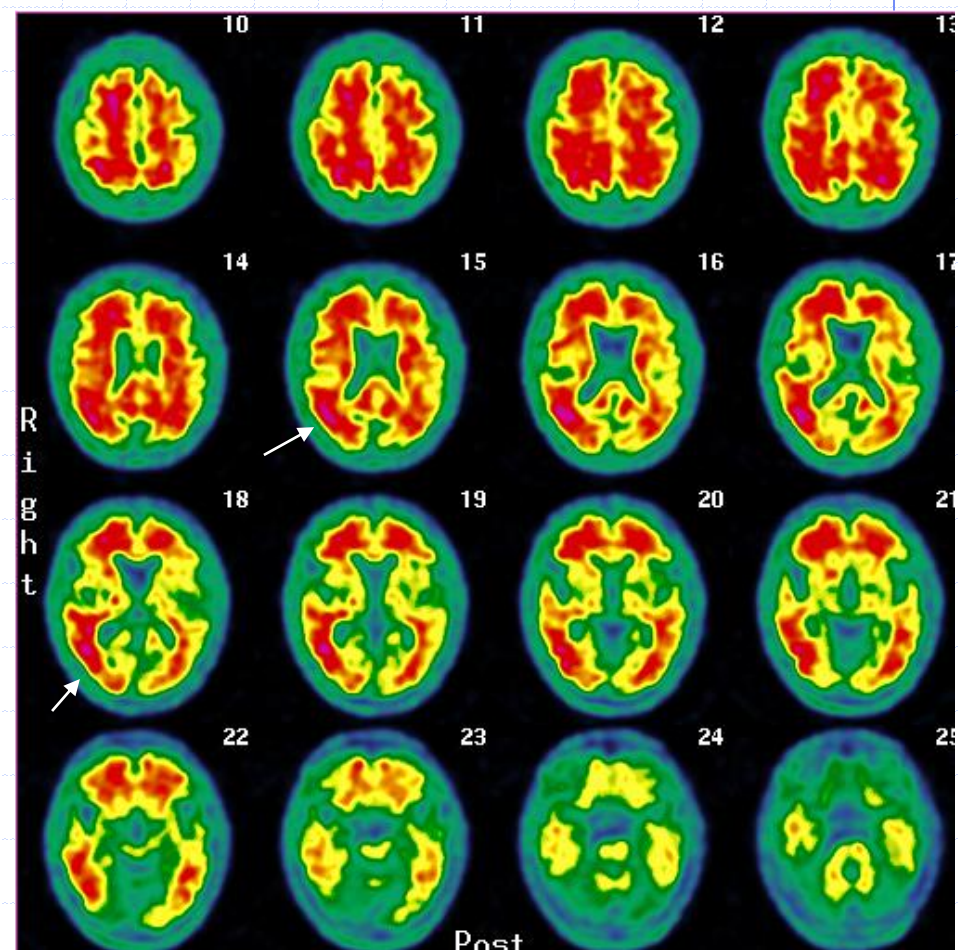
F-PLAQUES AMYLOIDES

Altérations :
Pariétal
Temporal

ALZHEIMER

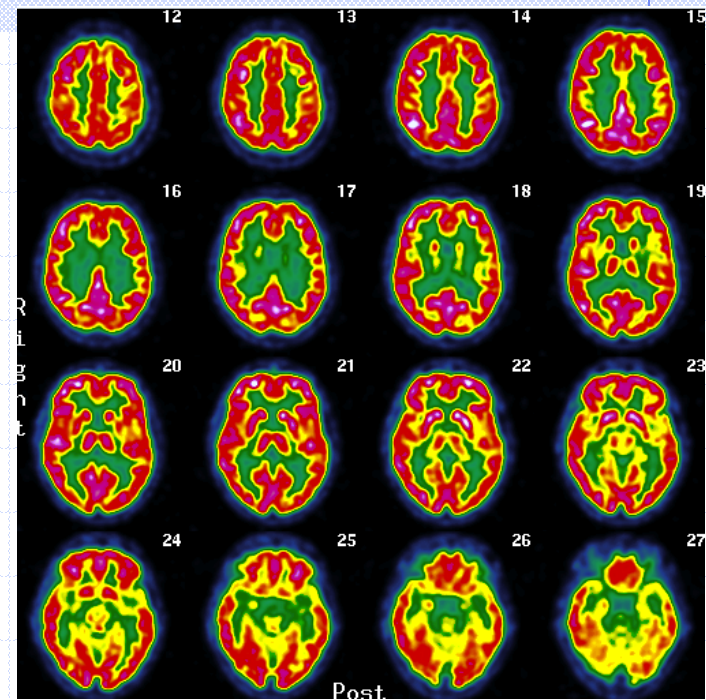
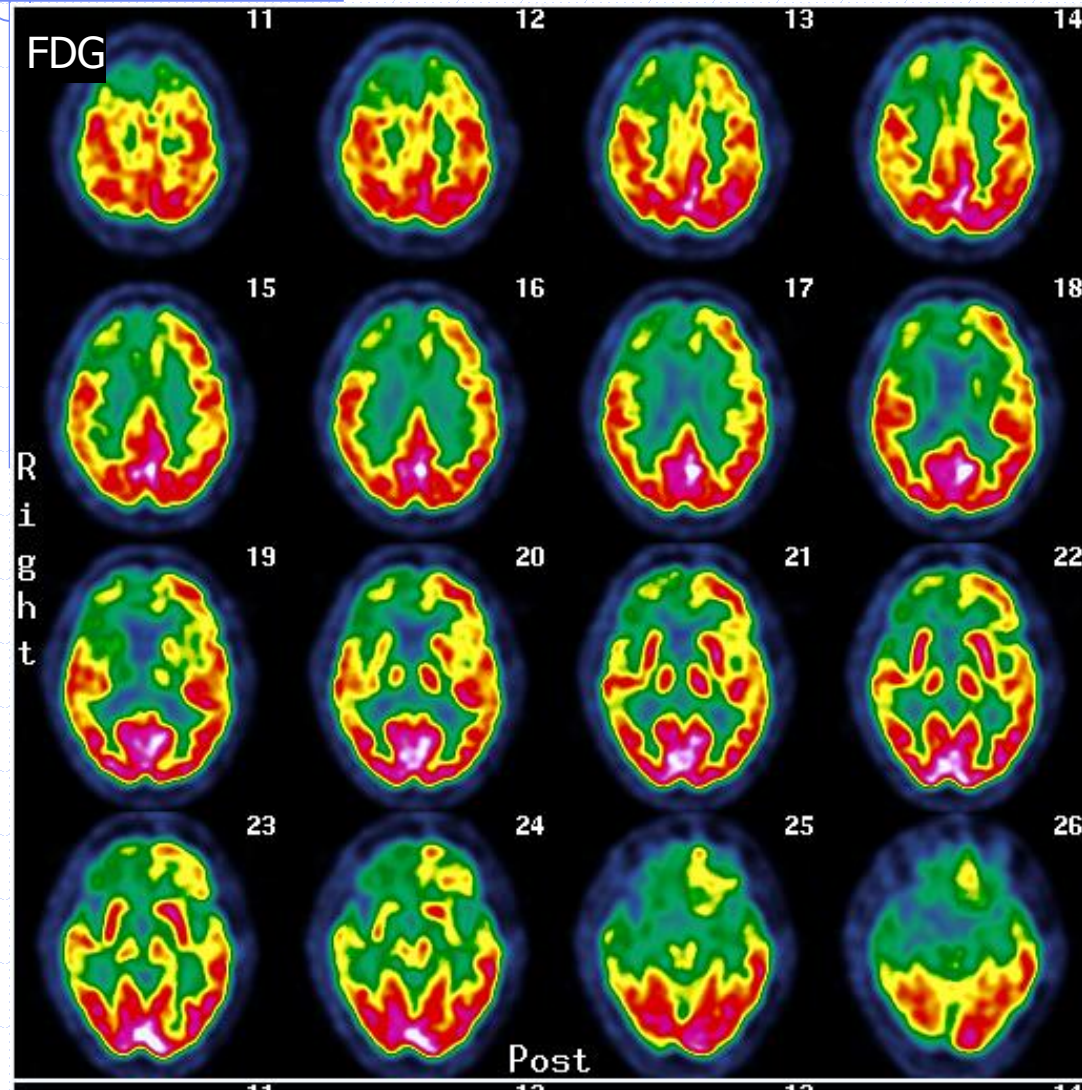


FDG



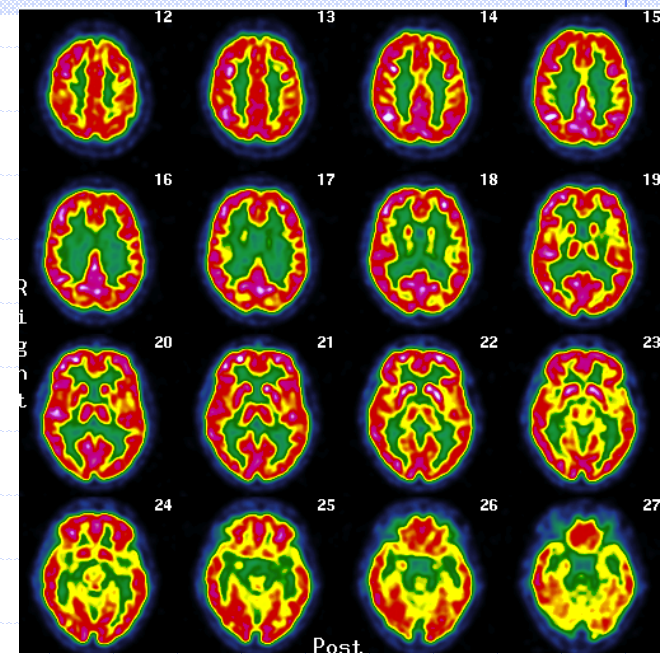
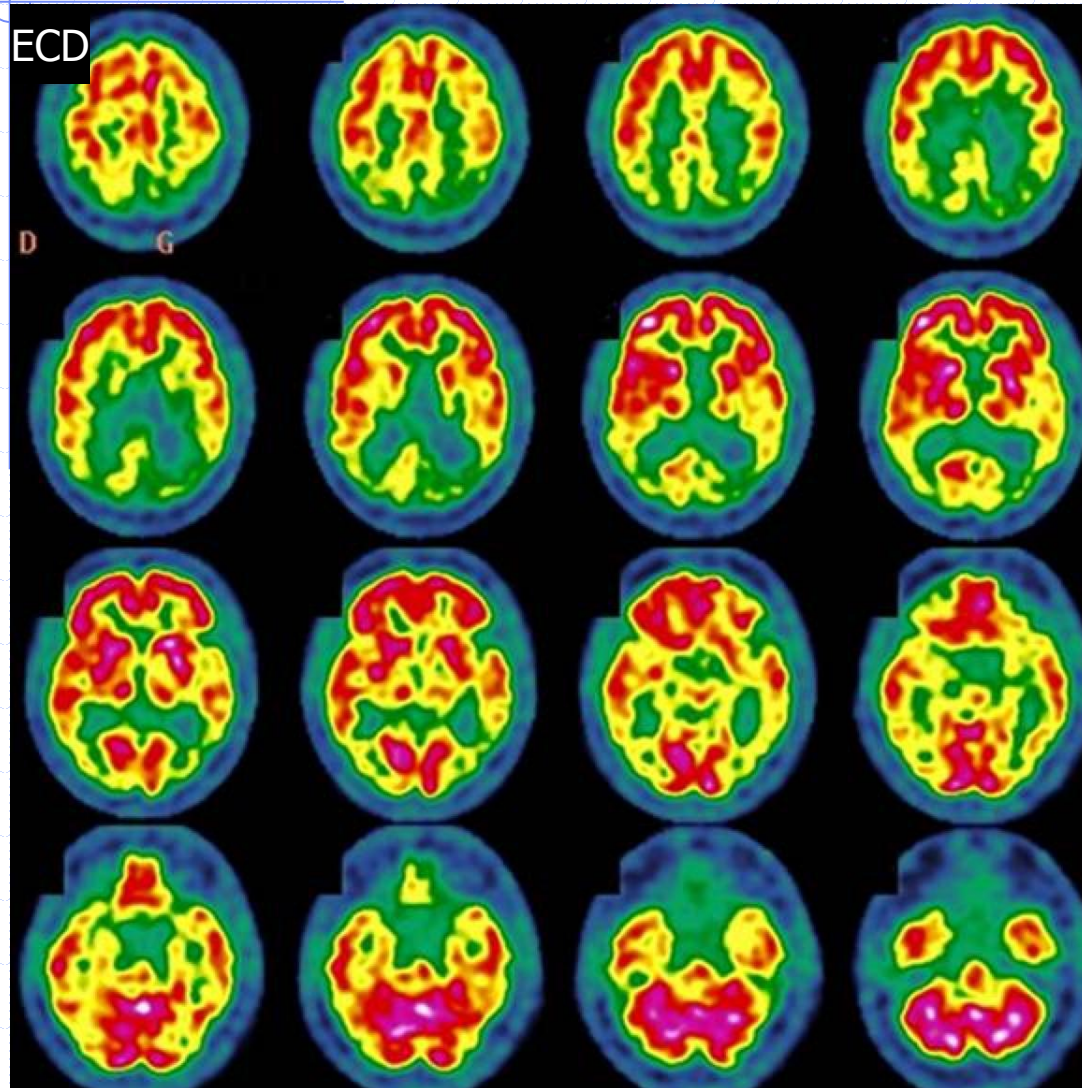
F-FLORBETAPIR

DFT



Altérations :
Frontal
Temporal

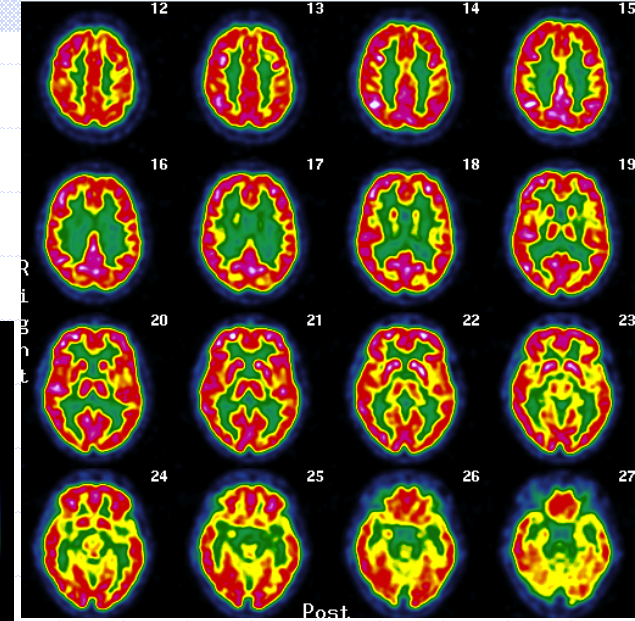
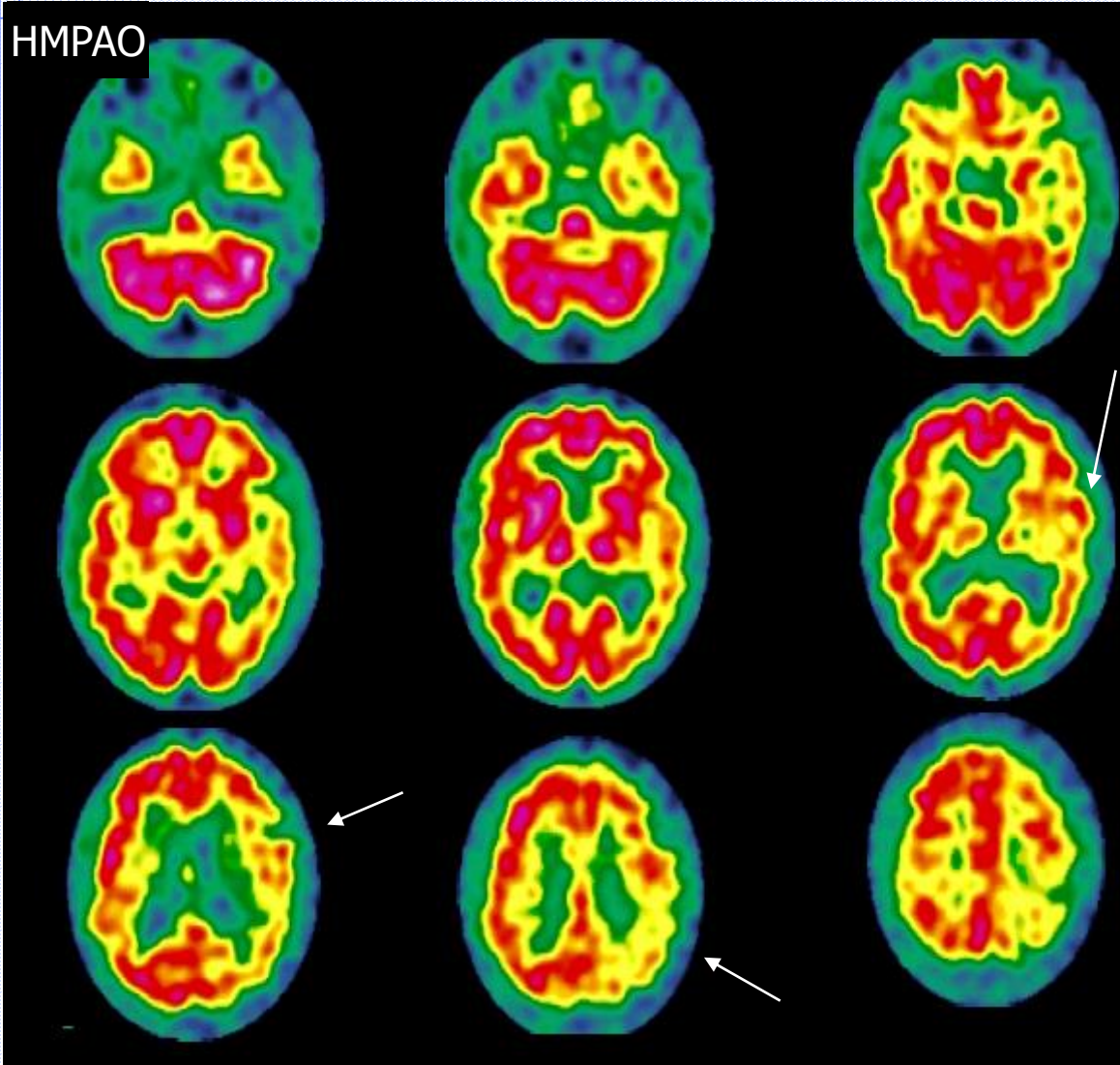
ATROPHIE CORTICALE POSTERIEURE



Altérations :
Pariétal post
Occipital post

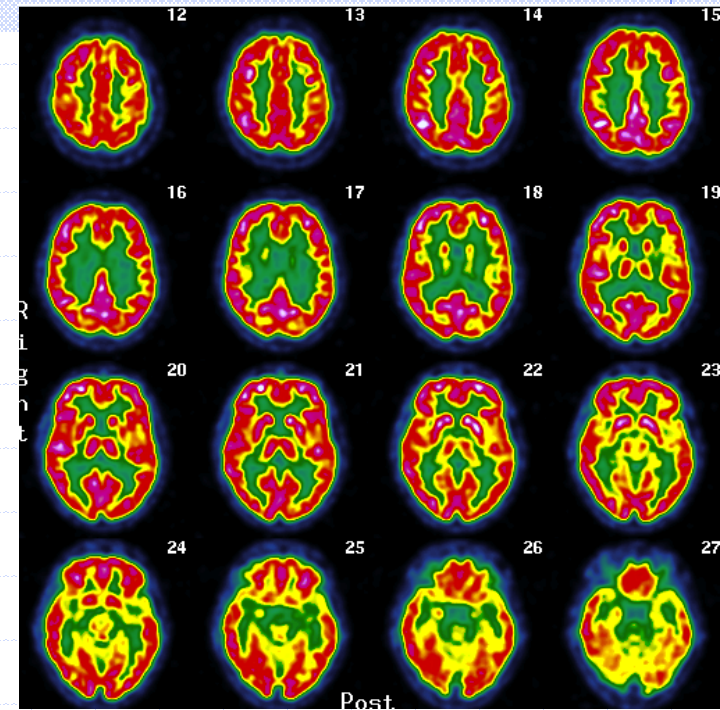
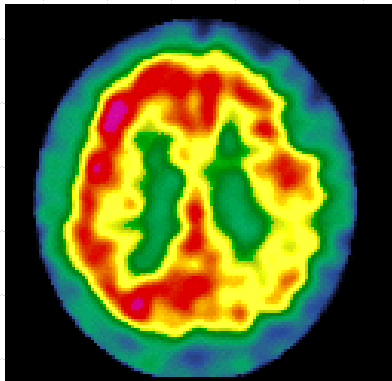
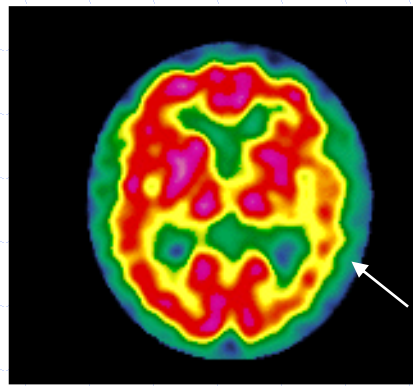
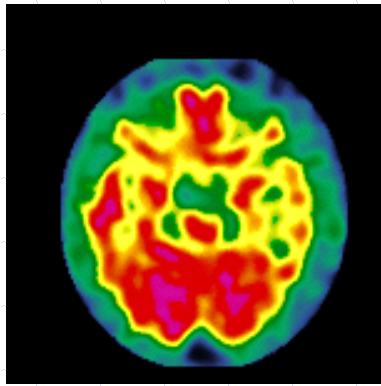
APHASIE PRIMAIRE PROGRESSIVE NON FLUENTE

HMPAO



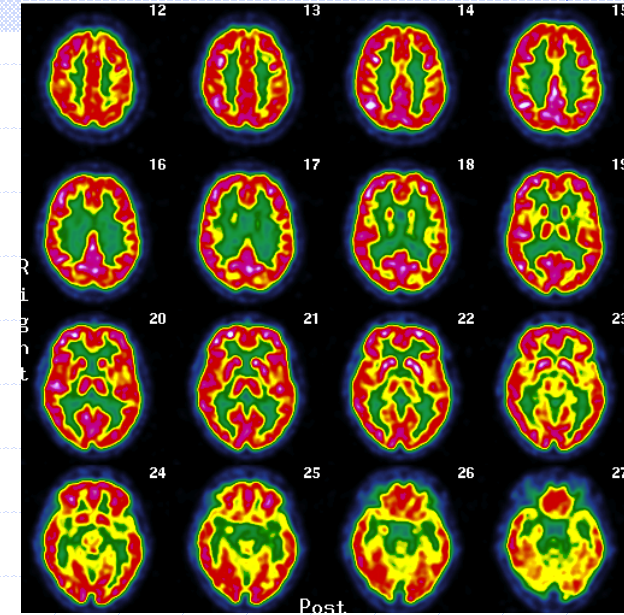
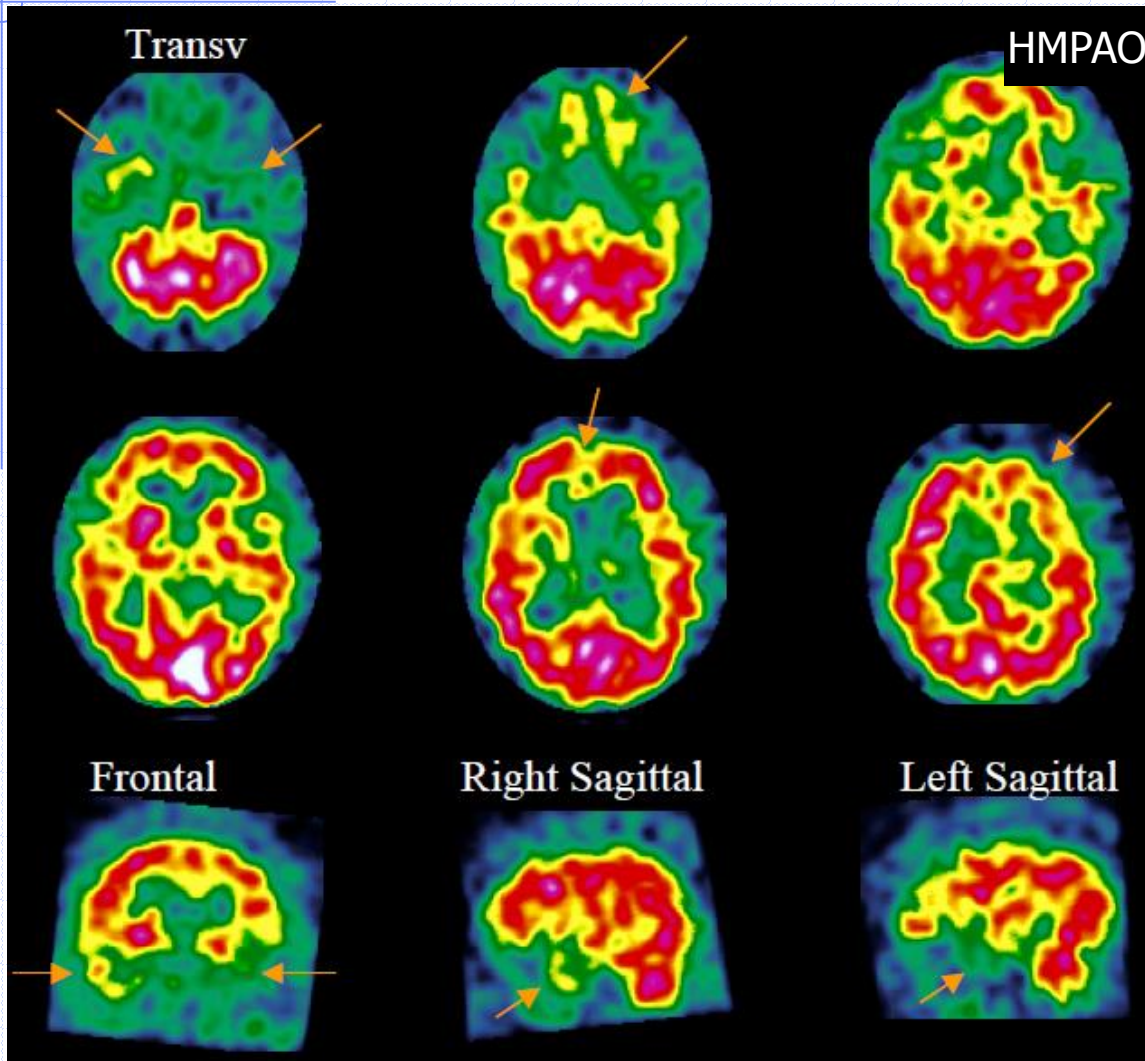
Altérations :
Sylvienne
Péri rolandique

APHASIE LOGOPENIQUE



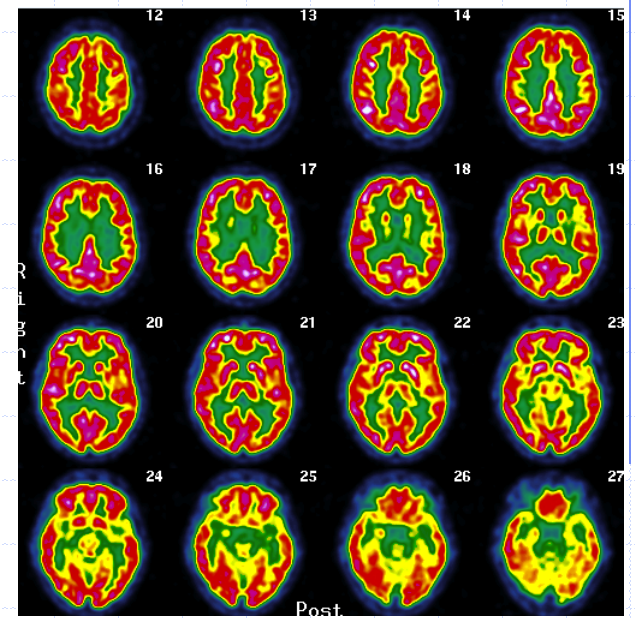
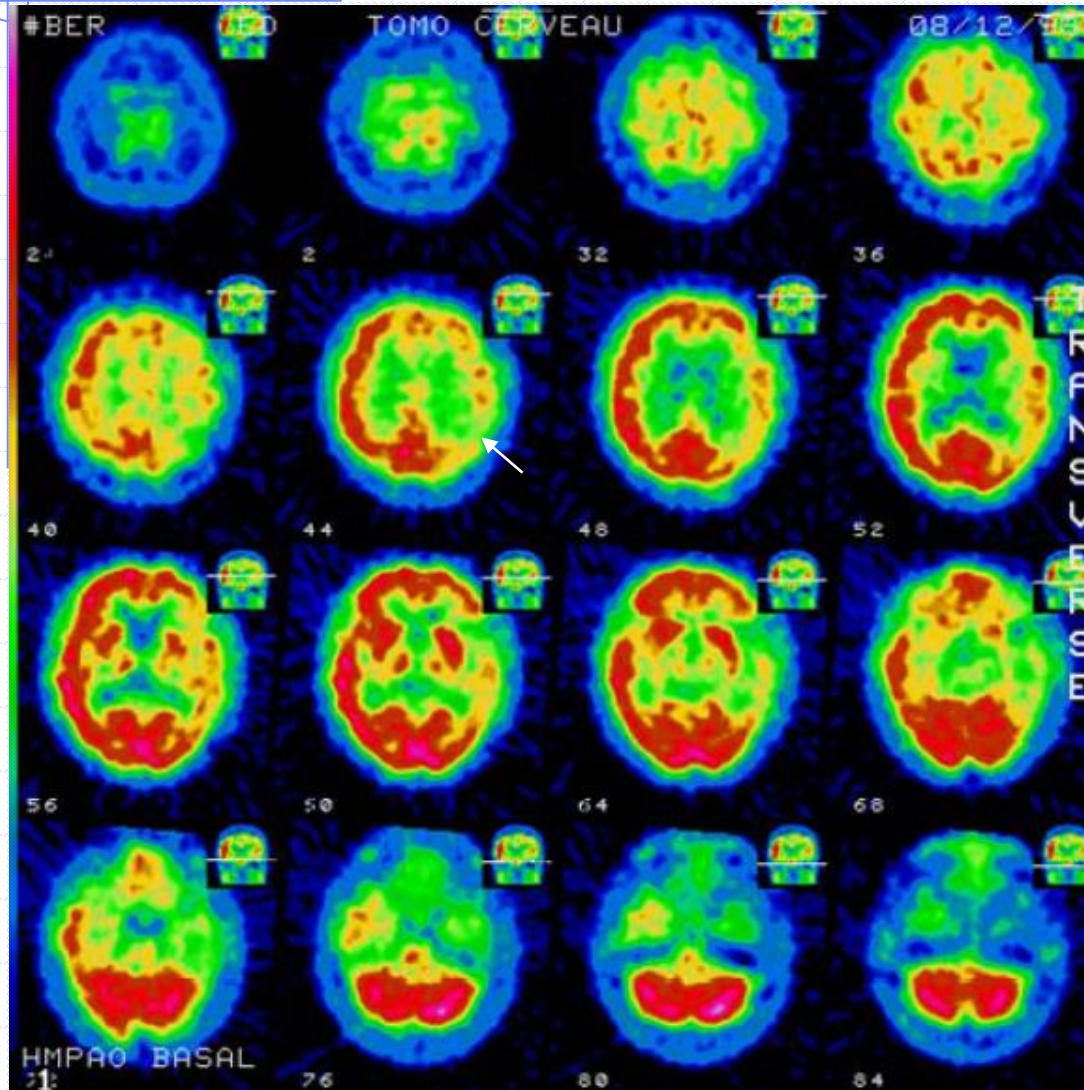
Altérations :
Pariétal
postérieur g

DEMENCE SEMANTIQUE

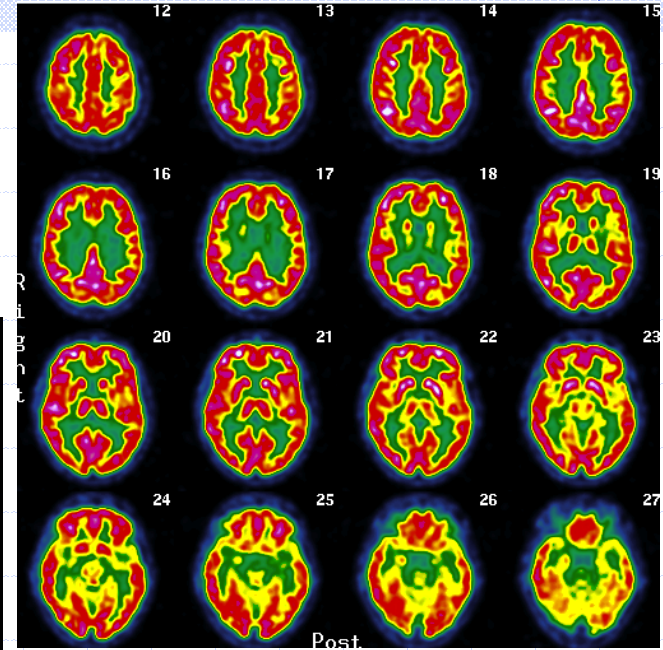
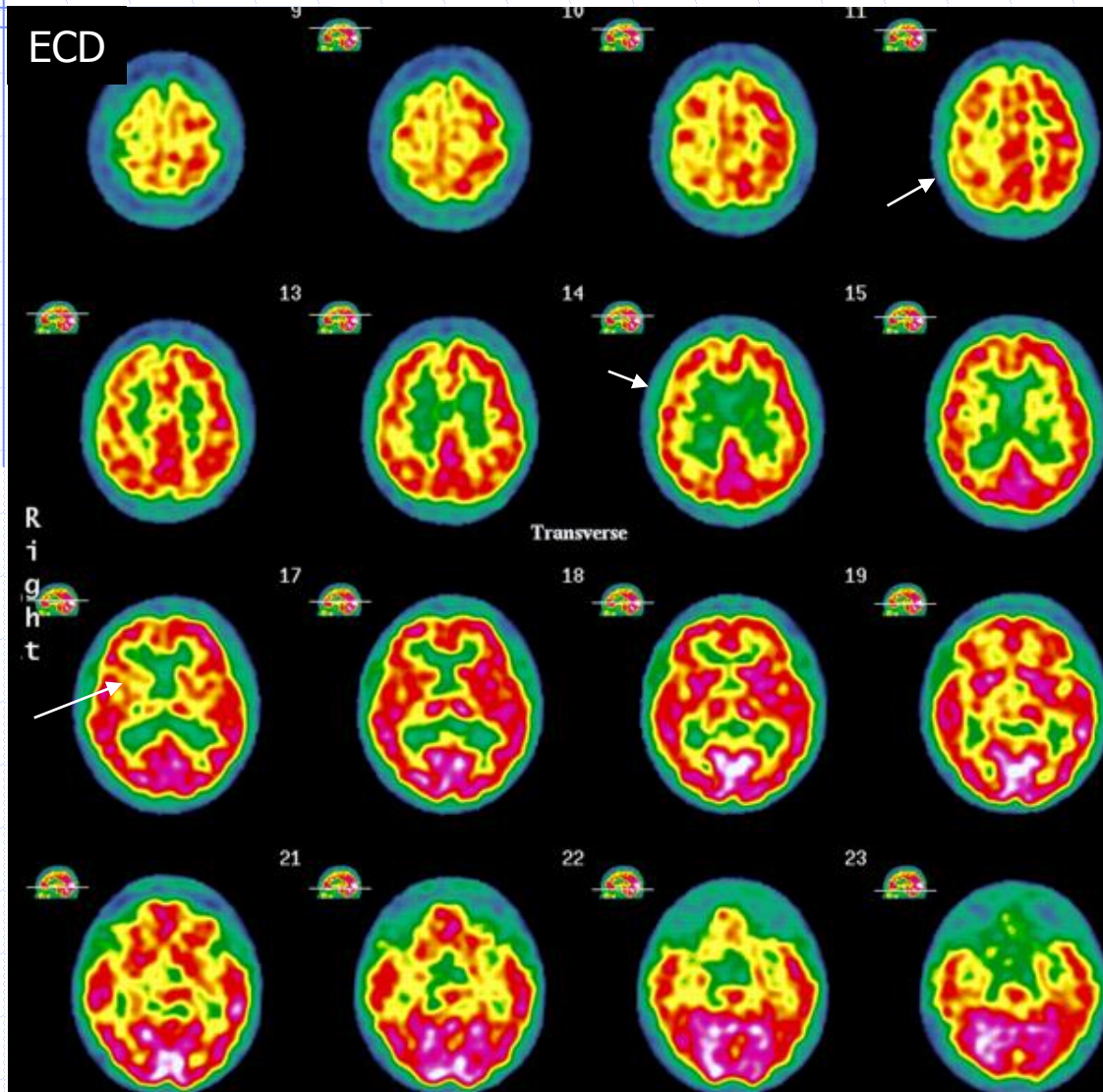


Altérations :
Temporal
antérieur g

HUNTINGTON

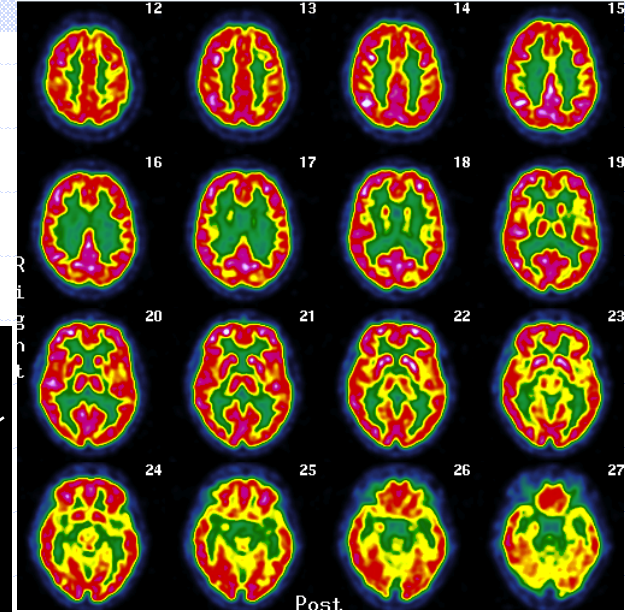
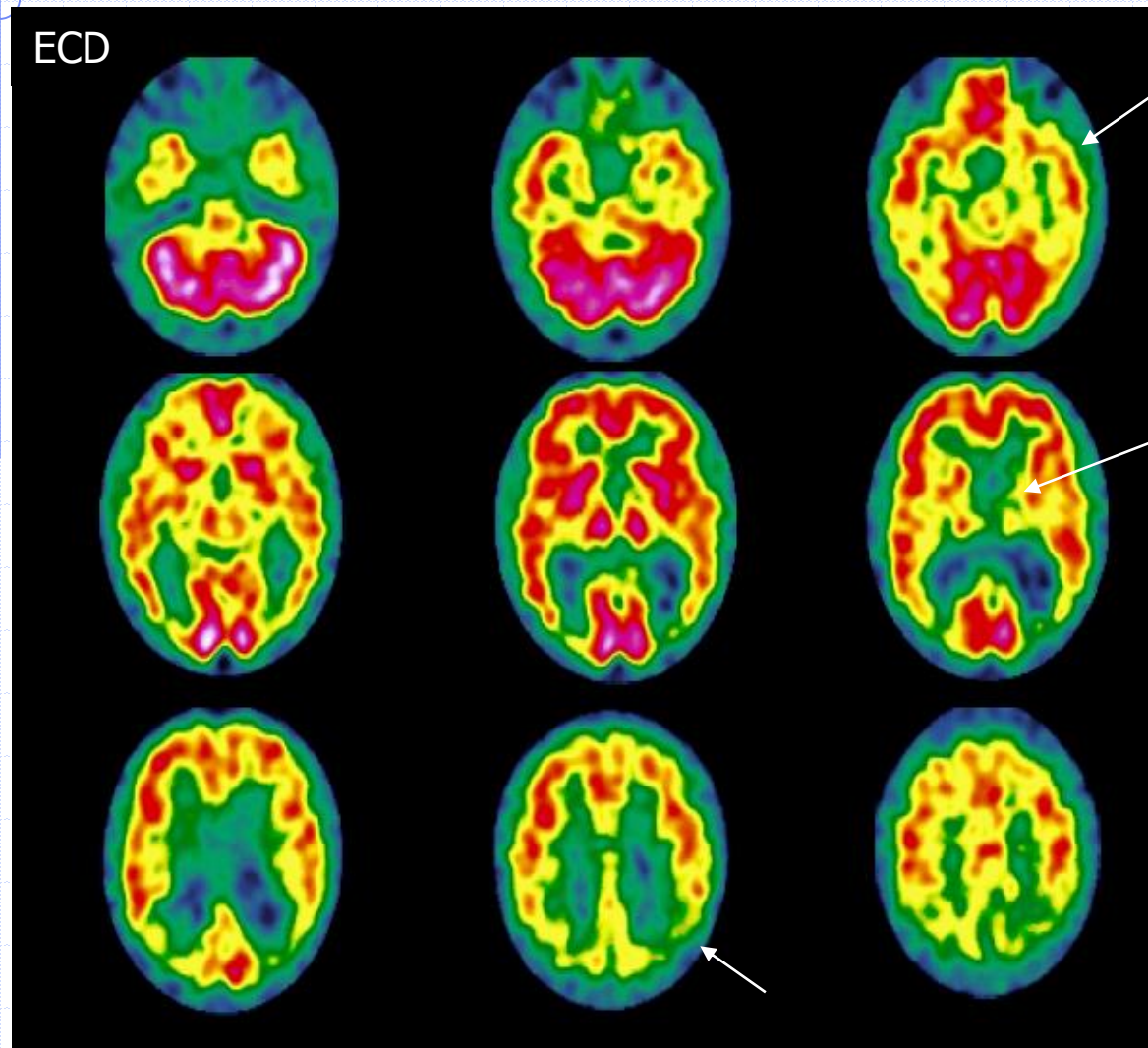


DEGENESCENCE CORTICOBASALE



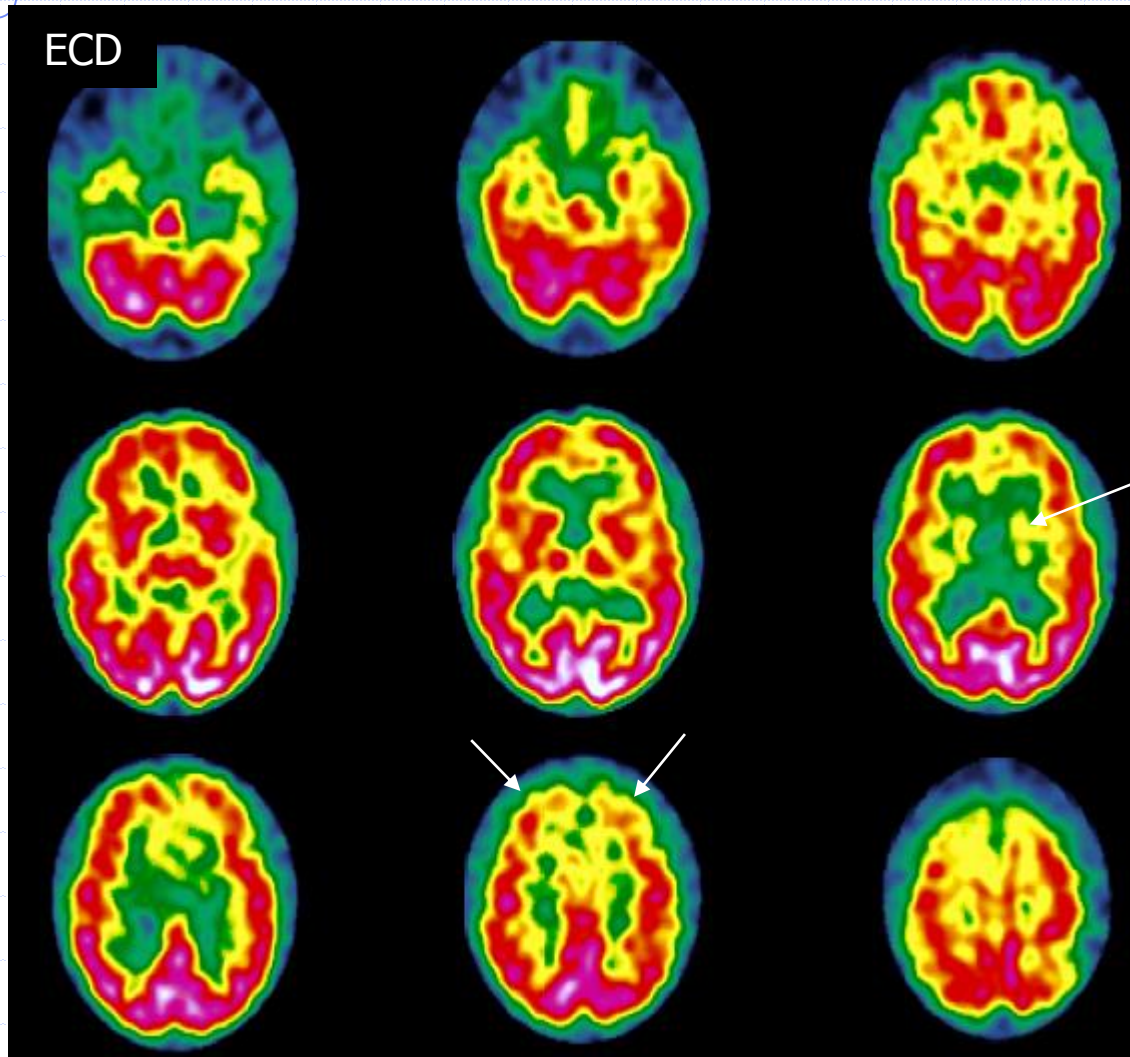
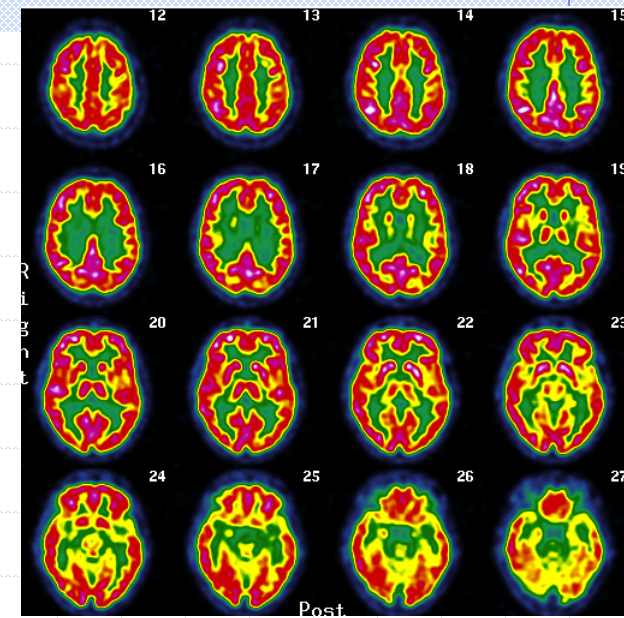
Altérations :
Frontal
Pariétal
NGC

DEMENCE A CORPS DE LEWY



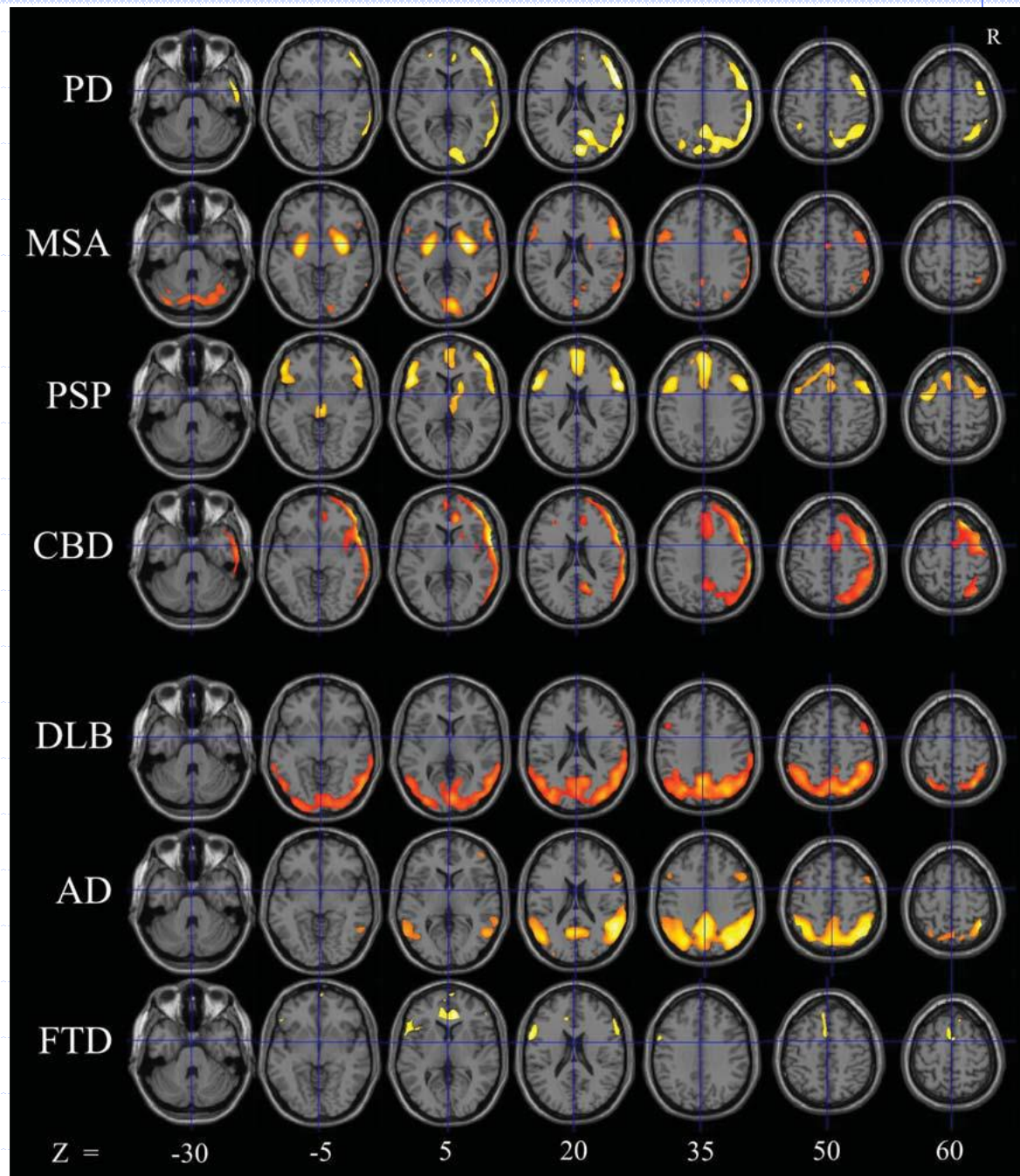
Altérations :
≈ MA +
occipital
+ NGC

PARALYSIE SUPRANUCLEAIRE PROGRESSIVE



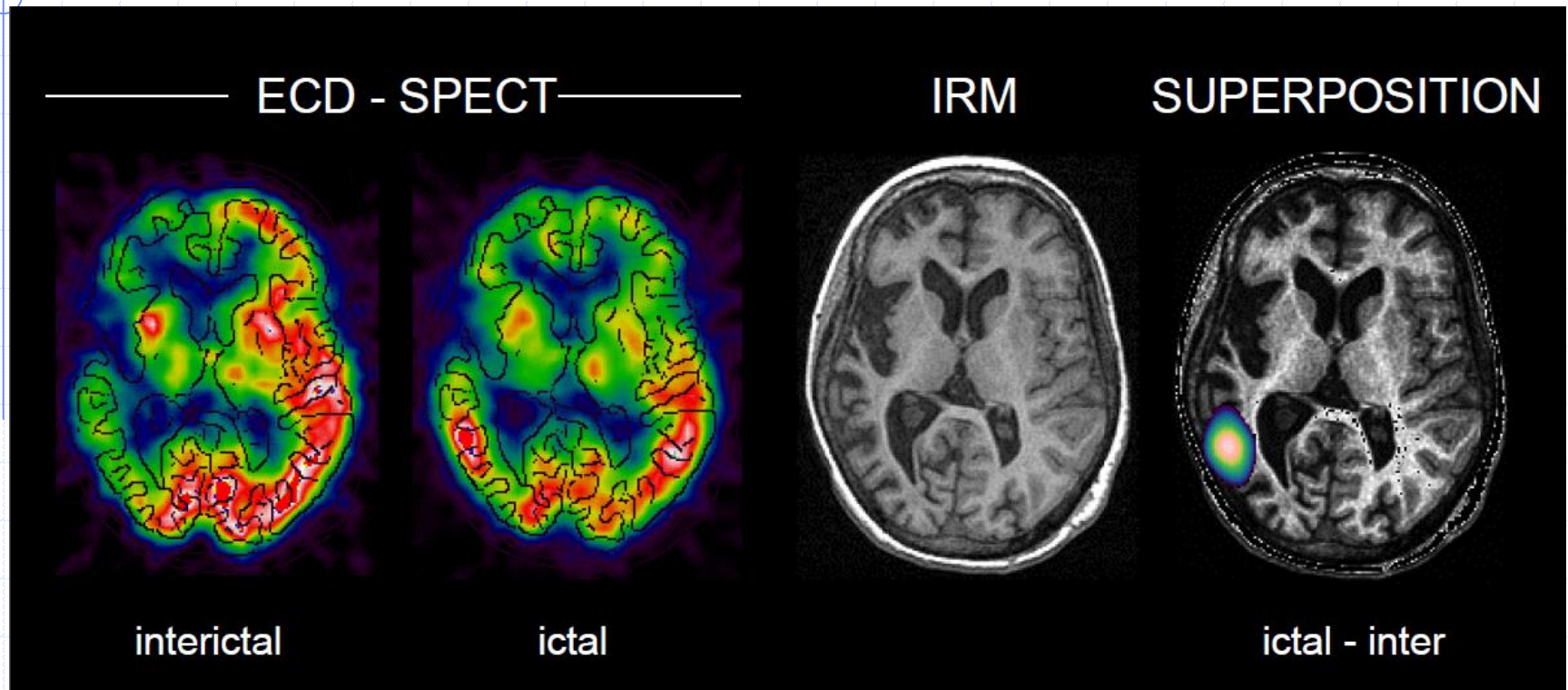
Altérations :
Frontal
NGC

SYNTHESE DEMENCES

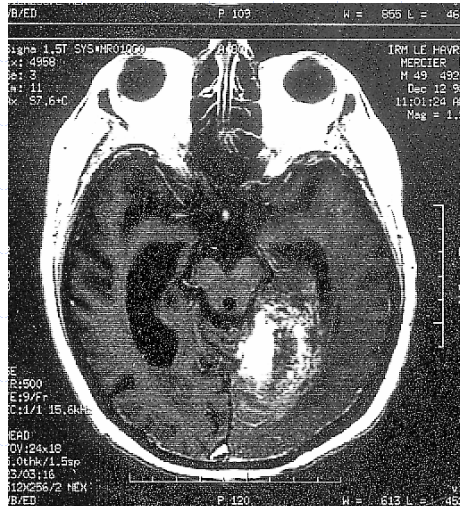
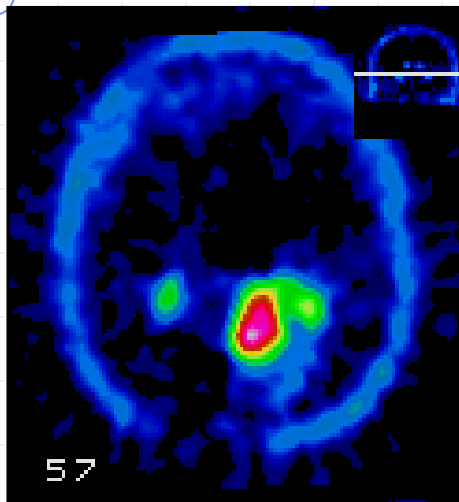


Typical Cerebral Metabolic Patterns in Neurodegenerative Brain Diseases. Teule & al. *Mvts dis.* 2010

EPILEPSIES



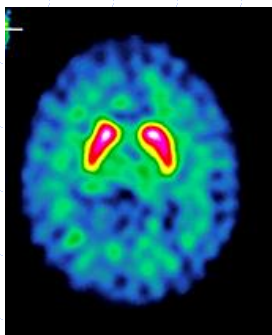
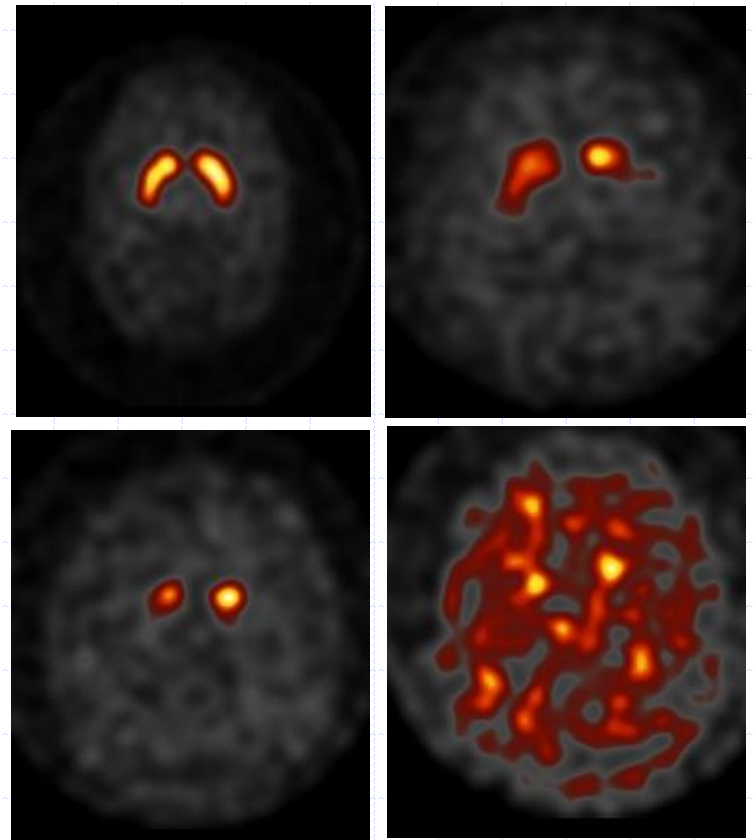
TUMEURS



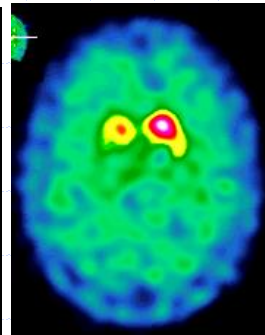
FP-CIT = IOFLUPANE



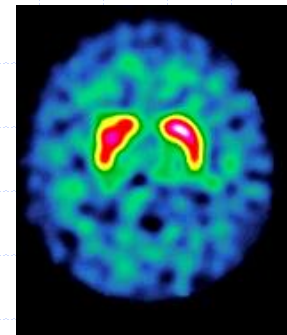
TETE DU
NOYAU
CAUDE
PUTAMEN
STRIATUM



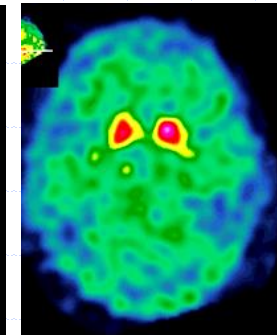
TE



MP



MA



DCLD

MERCI POUR VOTRE ATTENTION

ORIGINE DES IMAGES ET REMERCIEMENTS

DEPARTEMENT DE MEDECINE NUCLEAIRE, CHU DE MONTPELLIER

MO HABERT, CHU PITIE SALPETRIERE, PARIS

E GONTIER & M BASELY, HIA VAL DE GRACE PARIS