

SCALE PET

Examining PET Tracer Deposition with Regional SUVR Quantification

Analyze and Visualize Your PET Study The Way You Want

Quantitative Analysis Software of PET Tracer Deposition in Fully-automatic Process

FEATURES

Multi PET-tracer Support

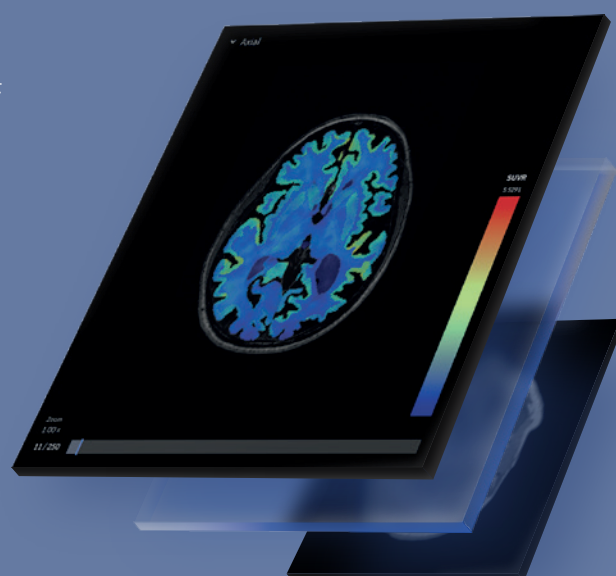
- flutemetamol¹⁸F, florbetaben¹⁸F, florbetapir¹⁸F, flortaucipir¹⁸F
- e.g Amyvid™, NeuraCeq™, Vizamy™, Tauvid™

Fully-automatic Operation

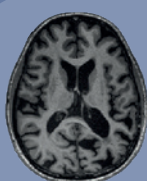
- Uploading MRI and PET image
- Automatic processing within 15 mins for SUVR calculation

Definite Visual Interpretation

- Tracer cortex uptake with anatomical information
- Setting Partial Volume Correction for low resolution PET image



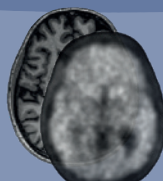
PROCESS PIPELINE



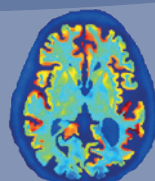
T1-weighted
MRI



AI-based Brain MRI
Segmentation



PET/MRI
Registration



Partial Volume
Correction (PVC)

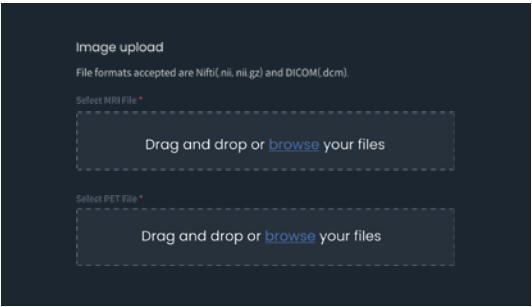


Region	Total	Mean	SD
Whole Brain	1.2463	1.2467	1.2008
Frontal Region	1.2740	1.2744	1.1813
Caudate Putamen	1.1949	1.1949	1.1899
Lateral Orbitofrontal	1.1921	1.1948	1.1899
Medial Orbitofrontal	1.1740	1.1847	1.1941
Pari-Opercular	1.1729	1.1823	1.1847
Pari-Occipital	1.1426	1.1570	1.1942
Pari-Temporal	1.1009	1.1011	1.1894
Medial occipital	1.1421	1.1545	1.1899
Superior Frontal	1.1490	1.1577	1.1941
Frontal Pole	1.1829	1.1823	1.1947

SUVR Calculation

WORKFLOW

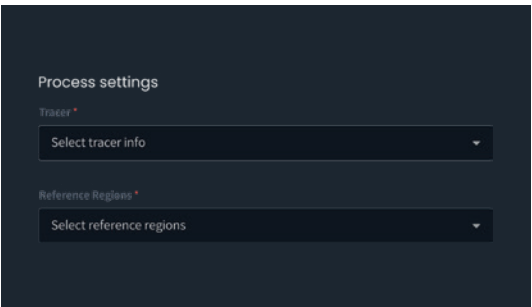
SCALE PET helps you conduct research more powerfully and efficiently with intuitive interfaces and automated processes.



STEP 1

Upload Images

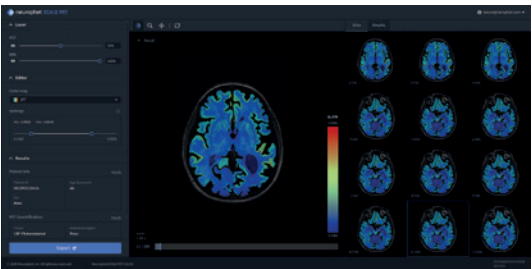
Upload T1-weighted MRI and PET image



STEP 2

Tracer & Reference Region Setting

Select a tracer on the list or add your new tracer
set a reference region(pons, cerebellar cortex...)



STEP 3

Visual Interpretation

Check amyloid or tau uptake in cortical areas with anatomical information control visualization setting

Regions	SUVR		
	Total	Left	Right
Whole Brain	1.1499	1.15	1.1498
Frontal Region	0.9277	0.9289	0.9265
Caudal Middle Frontal	1.0524	1.0474	1.0599
Lateral Orbitofrontal	0.8781	0.834	0.9203
Medial Orbitofrontal	0.9099	0.9263	0.8936
Pars Opercularis	0.9232	0.8933	0.8936
Pars Orbitalis	0.8358	0.8394	0.8332
Pars Triangularis	0.9297	0.9358	0.9233

STEP 4

SUVR Report

Check or export detailed SUVR information in 97 regions for making decision or your research

Supported Data formats

Struactical MRI

Type	3D T1-weighted
Slice thickness	1
No. of slices	192
FOV	256 X 256
Pixel spacing	0.8mm < Spacing < 1.2mm
Plane	SAG

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