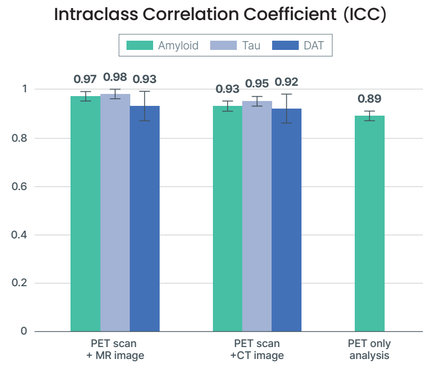
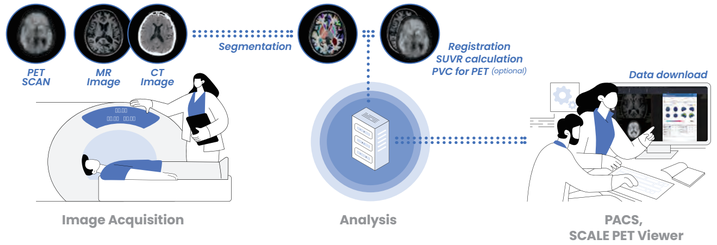
Fast & Accurate neurophet SCALE PET Analysis



High correlation SUVR calculation in multi PET tracer & multimodal imaging conditions[4)]



	MRI SEGMENTATION BY BRAIN REGIONS	REGISTRATION METHOD	FULL ANALYSIS TIME
CONVENTIONAL METHOD	8hours	Manual	8hrs or more
neurophet SCALE PET	1min	Fully Automatic	PET+MR PET only 5min PET+CT 2min

SCALE UP
Your Medical Insight

neurophet

NEUROPHET Inc.
12F, 124, Teheran-ro, Gangnam-gu, Seoul,
Republic of Korea

T. +82 2 6954 7971
F. +82 2 6954 7972
E. contact@neurophet.com

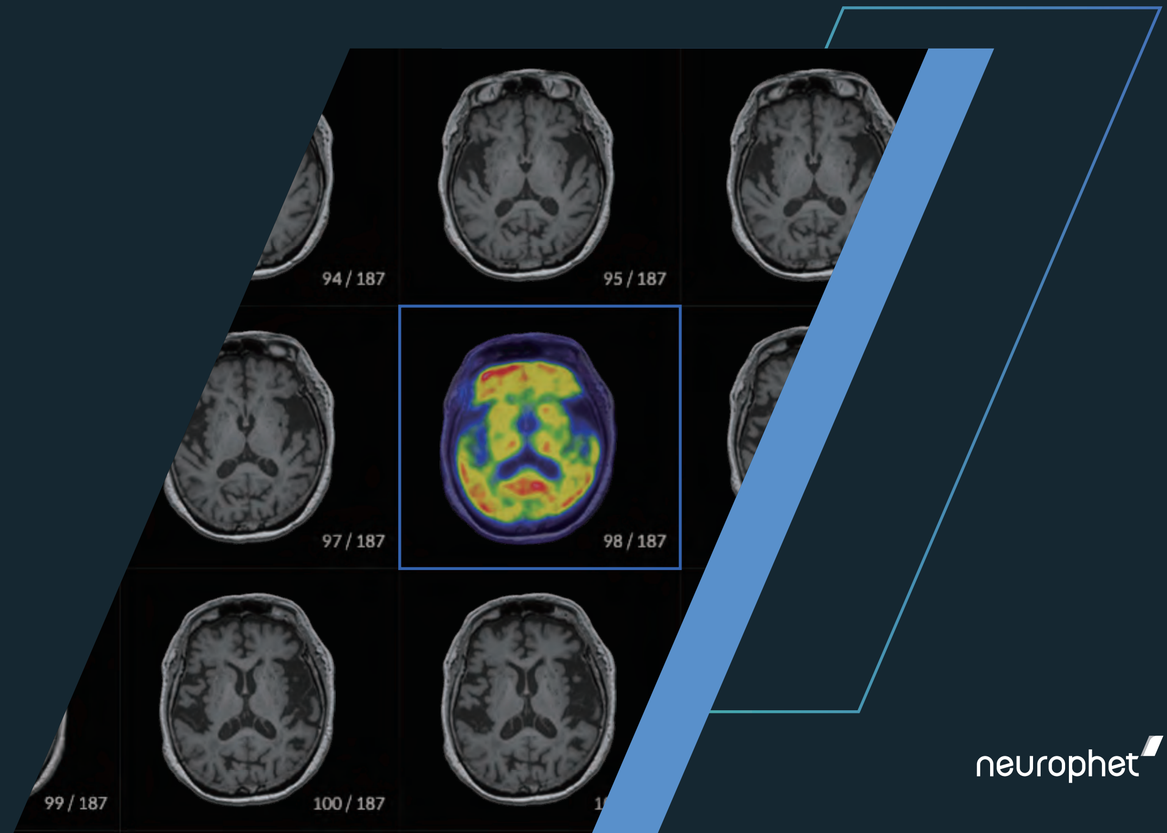
www.neurophet.com

KOR

Visualization of PET Tracer Uptake and SUVR Quantification

neurophet SCALE PET

MFDS(Korea) Registered | US-FDA 510(k) Cleared
PMDA(Japan) Registered | HSA(Singapore) Registered

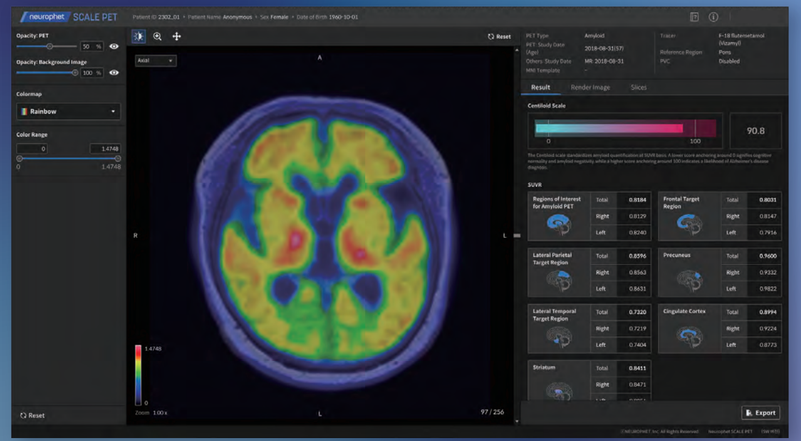


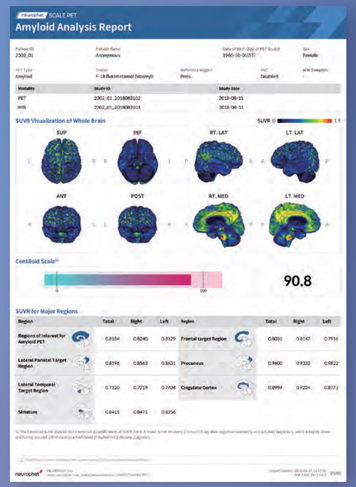
neurophet

neurophet SCALE PET

From Visualization ——— to Quantification

Amyloid





Fully Automatic SUVR & Centiloid scale

R^2 with the Original Centiloid method : 0.98[4)]

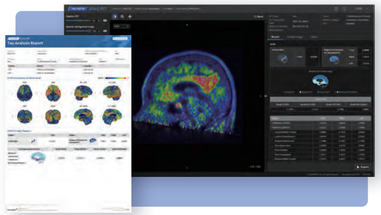
Various Aβ tracer analysis

[^{11}C]PiB, [^{18}F]Flutemetamol, [^{18}F]Florbetaben, [^{18}F]Florbetapir, [^{18}F]NAV4694, [^{18}F]Florapronol

3D Rendered Image

Customizable presets

Tau

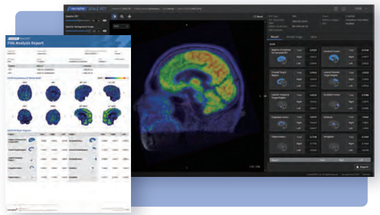


- SUVR for Tau PET staging (Braak stage ROIs & Temporal meta ROIs)
- [^{18}F]Flortaucipir, [^{18}F]MK-2640, [^{18}F]PI-2620 etc

Dopamine

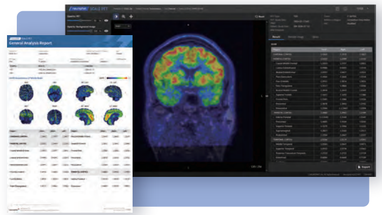
- Specified for striatum
- Asymmetry index
- Supportive for differential diagnosis of Parkinsonism(IPD, MSA, PSP) and ET

FDG



- Specified for ROIs of Neurodegenerative disorders

General

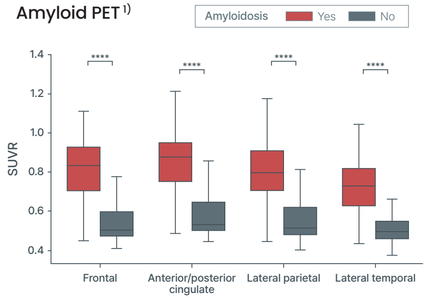


- Accurate values for 100+ ROIs with or without MRI registration

Neurophet SCALE PET supports clinical decision

Concordance of interpretation

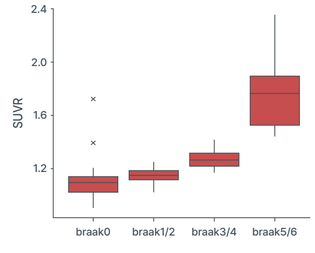
Amyloid PET [1)]



	AUC	ACC	SEN	SPEC
Neurophet SCALE PET	0.9593	0.9633	0.9412	0.9774

Reference region: Pons (Cut-off: 0.61)

Tau PET [2)]

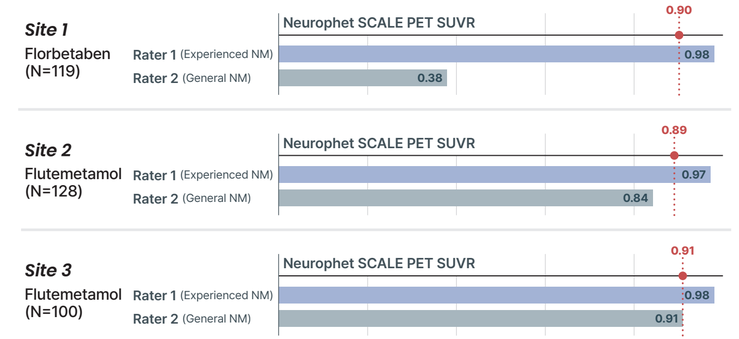


	ACC
Neurophet SCALE PET	0.822

Reference region: Cerebellar cortex (Cut-off: 1.65) / A Priori ROI

Inter-rater Kappa on Amyloid PET positivity [3)]

*Validated in 3 university hospitals
*Compared with the standard reference determined with the agreement between two raters
***Rater 1:** Experienced Nuclear Medicine (≥10 years) / **Rater 2:** General Nuclear Medicine(≤3 years)



Ref. 1) Jiyeon Lee et al. Diagnostic 12(3), (2022) 623
2-3) Data on file, Neurophet Inc, CLIN-09-0001, CLIN-18-0001, GNT-04-0001, GNT-07-0001
4) Data on file, Neurophet Inc, 10620_DHF_UMKO