Original
SMWI
Analysis
Report

Layout
3x5   2x4

Result

Nigrosome 1

Rt   Lt
Normal

R

‹ 2/5 ›

The World 's First MRI –based
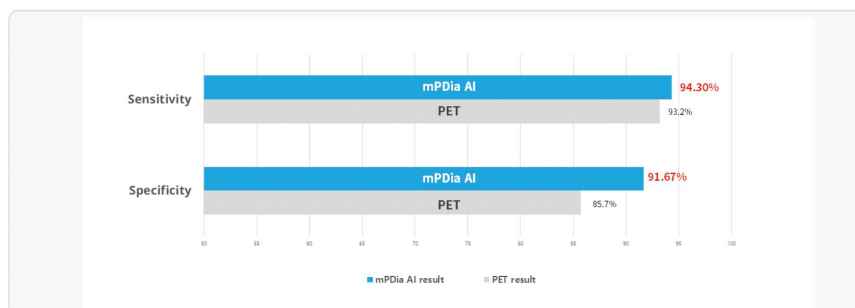## Parkinson's disease diagnostic aid software

Heuron IPD

Heuron IPD analyzes small clusters of dopaminergic cells, Nigrosome areas, on brain MR images and produces a binary output to assist clinicians in the diagnosis of Parkinson's disease.

MFDS Class 3, Approval n° 21-257 / NET Approved/ CE Marked

Heuron IPD assists clinical diagnosis by AI-driven assessment of Nigrosome 1 on MR images

■ Software trained with a total of 15,629 Nigrosome 1 MR images.[1]

■ Sensitivity : 94.30%, Specificity : 91.67% [1]

■ The accuracy of Heuron IPD is similar to the sensitivity and specificity of conventional PET image analysis.[2]

Sensitivity	mPDia AI	94.30%
	PET	93.2%
Specificity	mPDia AI	91.67%
	PET	85.7%

■mPDia AI result   ■ PET result

Heuron IPD provides clinical information in regards to neurodegeneration in Parkinson's disease

■ Acquisition of SMWI(Susceptibility Map-Weighted Imaging) MR image and visualization of the Nigrosome 1 region through image processing algorithm [3]

■ In comparison to the conventional PET Test: Heuron IPD benefits patients through lower costs, simplified procedures, and no risks of radiation exposure [4]

Reference
1) Clinical Test, 2021   2) 한국보건의료원구원보고서, 2016   3) Radiology, 2016   4) Parkinsonism Relat Disord, 2019