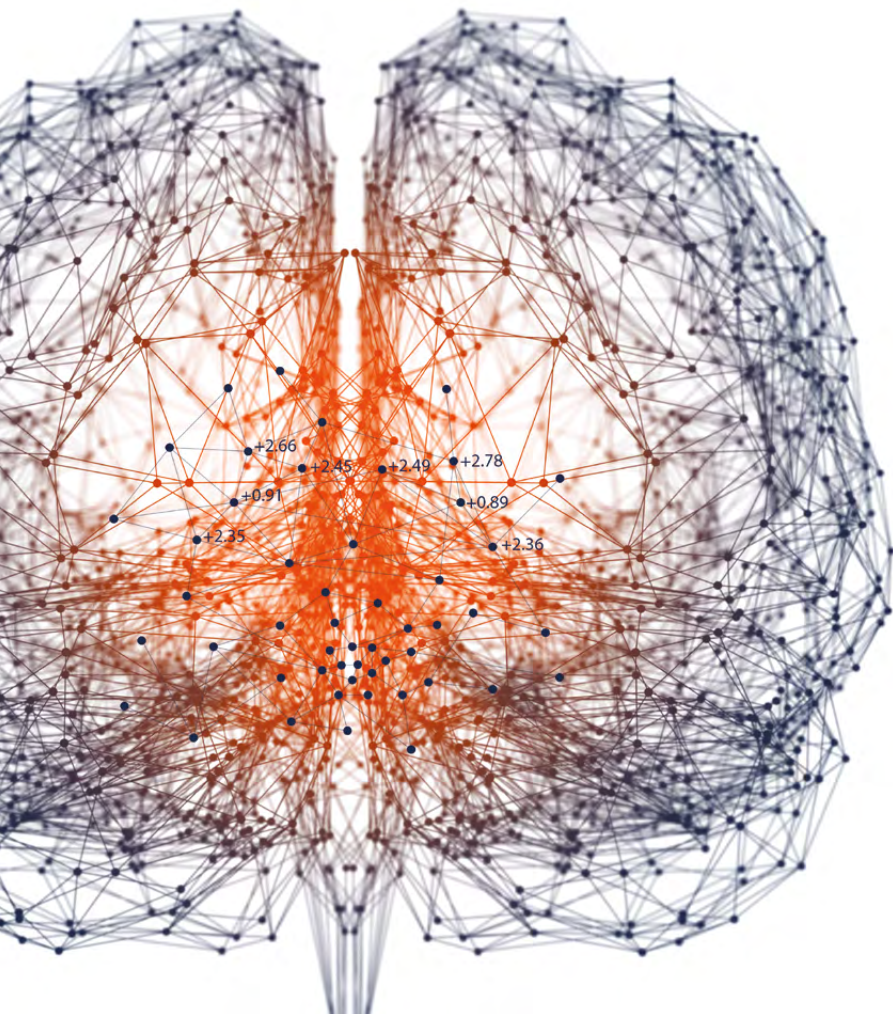




DaTQUANT™ 2.0

Software for Your PC

NEW FEATURES

A quantitative analysis of striatal DaT images
now at your fingertips



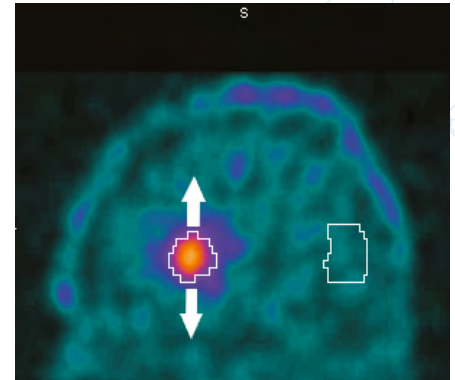
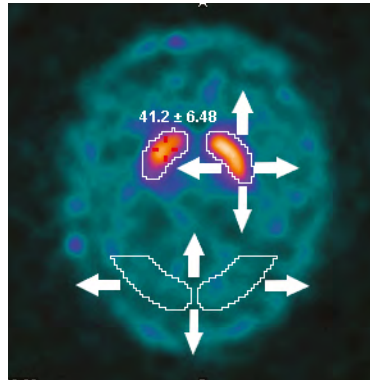
DaT: dopamine transporter

PROCESSING

1

More ways to manually adjust the ROI placement:

- A. Striatal regions can be moved in X, Y, and Z directions
- B. Background regions can be moved in X and Y directions
- C. Mean value and standard deviations of regions are displayed during adjustment

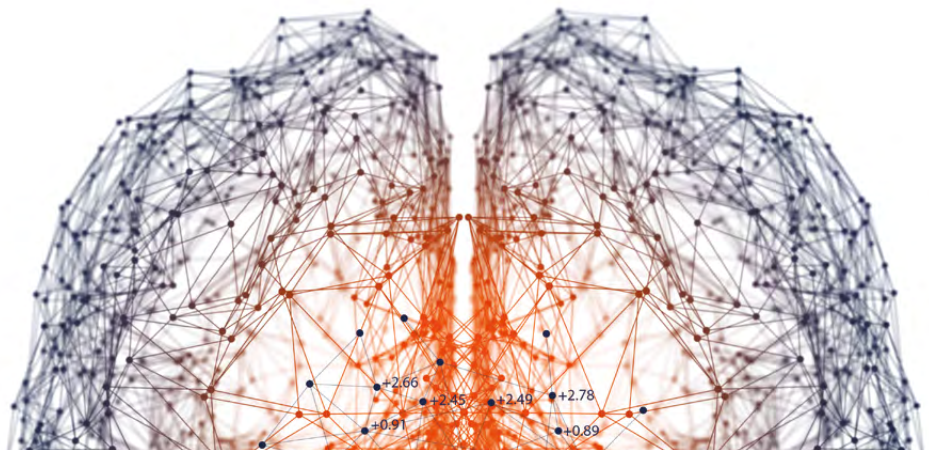


2

Supports importing of compressed DICOM data from PACS.

Additional built-in cases including:

- More examples of normal and abnormal scans
- 2-year follow up scan of Parkinson's disease (PD) patient
- vascular confounding factor



3

4

Left & Right Putamen SBR

Putamen Left SBR

Age

● Patient Putamen Left SBR
● Normal DB Putamen Left SBR

off	SD
1.0 SD	SD Line
1.5 SD	1.7 SD
1.7 SD	mean
2.0 SD	

	Striatum Right SBR	Striatum Left SBR	Posterior	Posterior	Putamen to Caudatus Right	Putamen to Caudatus Left
Measured	+1.70	+1.81	Custom Table ☒ Striatum Left SBR ☐ Putamen Left SBR ☐ Caudatus Left SBR	☒ Striatum Right SBR ☐ Putamen Right SBR ☐ Caudatus Right SBR ☐ Anterior Putamen Right SBR ☒ Posterior Putamen Right SBR	+1.02	+1.01
Mean (±1 SD)	+2.09 (±0.33)	+2.12 (±0.33)	☒ Posterior Putamen Left SBR ☒ Putamen to Caudatus Left Ratio ☒ Putamen Asymmetry	☒ Putamen to Caudatus Right Ratio ☒ Caudatus Asymmetry ☐ Striatum Asymmetry	+0.91 (±0.06)	+0.90 (±0.07)
Deviation	-19%	-15%			+12%	+13%
Z-Score	-1.18	-0.94			+1.77	+1.66

GENERATING A REPORT

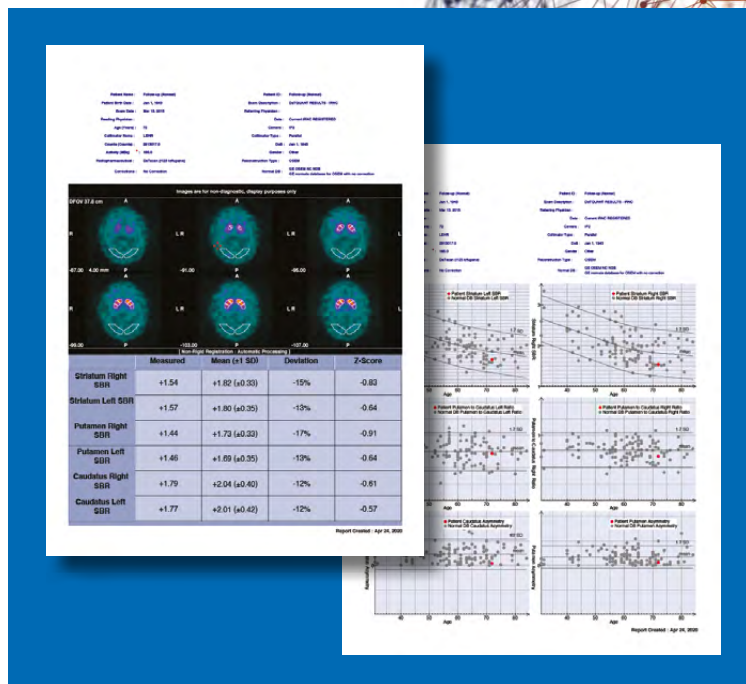
5

New report features:

- Single-click report generation and saving/printing
- Multi-page report option
- Adjustable font sizes for different features/areas of the report
- Adjustable quantity and layout of images
- Combined report option including values from Advanced, Asymmetry and Ratios views on the same report
- Save report as DICOM-encapsulated PDF
- Can save images and results as .jpg files to include in an externally-created report

6

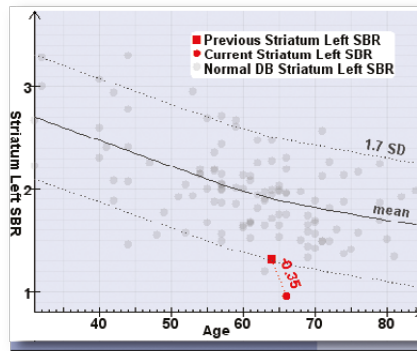
Simplified user registration form for new installations



DATA-DRIVEN, RELIABLE ASSESSMENT

7

Easier comparison of serial/longitudinal studies of the same subject



Striatum Right SBR	Striatum Left SBR
71 ← +0.96 -0.25	+0.96 ← +1.31 -0.35
87 (±0.33)	+1.87 (±0.35)
2% ← -49% -13%	-49% ← -31% -18%
44 ← -2.79 -0.65	-2.58 ← -1.69 -0.89

8

Easier to set up and test DICOM connections



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DICOM is the registered trademark of the National Electrical Manufacturers Association for its standards publications relating to digital communications of medical information.

All images are of participants from the PPMi* study.

*PPMi: Progressive Parkinson Marker study

06-2020 JB8497/DGT/OS INT'L ENGLISH



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