[Exploring (rCBF + EMMA) Brain Imaging Software - Extensible MATLAB Medical Analysis Using Python Tools]

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[I] Inspiration + Main Idea :

“EMMA (Extensible MATLAB Medical image Analysis) is a toolkit written at the Montreal Neurological Institute designed to ease the use of MATLAB in the analysis of medical imaging data. It was conceived by Sean Marrett and implemented (in the summer of 1993) by Mark Wolforth and Greg Ward, under Sean's guidance. It provides functions for reading and writing MINC files (our local data file format), viewing images, performing ROI operations, and performing several popular analyses. Also, there are toolkits for performing kinetic analysis of dynamic PET rCBF (regional cerebral blood flow) and FDG data.”

[Source - http://www.bic.mni.mcgill.ca/software/emma/]

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[II] Informatics Framework :

EMMA/rCBF MATLAB Software & Their interfacing With Python in the Context of ONNX + AI + QRNG to Probe Smart Devices/IoT/HPC Heterogeneous Environments for Next Generation Medical Imaging R&D Domains.

[III] Acknowledgement/s :

Non-Profit R&D. Thanks to all.

[IV] References :

[a] https://github.com/tejdnk-2019-ShortNotes

[THE END]