

In differential diagnosis of dementia -application of easy Z-score imaging system in single photon emission computed tomography Brain perfusion scan.

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Abstract:

Background: Application of easy Z score imaging system (eZIS) on brain perfusion SPECT images for quantitative evaluation of rCBF has attempted to explore the differential diagnosis of dementia with various degenerative diseases and to evaluate discrimination of early Alzheimer's disease (AD) from other types of dementia. Methods: This retrospective study was done with various degenerative diseases that underwent brain perfusion SPECT using 99mTc ethyl cysteinate dimer were included. Results: Brain perfusion SPECT was performed in 58 patients (M/F = 48/10) with mean age of 61.2±10.4 years (41-90). Decreased rCBF was observed in the area suspected early AD in 20 cases (34%) and in the frontal gyrus and insula in 10 cases (17%). And decreased rCBF was observed in occipital lobe and, precuneus, gyrus and

Biography: Professor Dr. Nasreen Sultana has completed her medical graduation in 1993 from Chittagong University and post graduate course "Doctor of Medicine" in Nuclear Medicine from BSM Medical University, Bangladesh in 2005. She then joined in the National Institute of Nuclear Medicine and Allied sciences (NINMAS) under Bangladesh Atomic Energy Commission.



Publications:

1. Invariance of maximum likelihood estimation for affinetransformed state space models R&R at Journal of Time Series Analysis . 2. Betting on conditional alphas

3. Price discovery and market microstructure noise

4.Fernandes and Mendes Nonparametric testing of conditional independence using asymmetric kernels

5. Tail risk exposures of hedge funds: Evidence from unique Brazilian data

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