**Brain Imaging in Neurodegenerative Disorders**

Kavroulakis, E., Simos, P., Kalaitzakis, G., Maris, T., Zaganas, I., Panagiotakis, S., Basta, M., Vgontzas, A., Papadaki, E. Myelin content changes in probable Alzheimer’s disease and mild cognitive impairment: associations with age and severity of neuropsychiatric impairment. *Journal of Magnetic Resonsnace Imaging*, in press.

Papadaki, E., Simos, P.G., Panou, T., Mastorodemos, V., Maris, T.G., Karantanas, A.H., & Plaitakis, A. (2014). Hemodynamic Evidence Linking Cognitive Deficits in Clinically Isolated Syndrome to Regional Brain Inflammation. *European Journal of Neurology, 21, 499-505*.

Papadaki, E., Simos, P.G., Mastorodemos, V., Panou, T., Maris, T.G., Karantanas, A.H., & Plaitakis, A. (2014). Regional MRI perfusion measures predict motor/executive function in patients with Clinically Isolated Syndrome. *Behavioural Neurology, i*2014:258303*.*

Papadaki, E., Mastorodemos, V., Amanakis, E.Z., Tsekouras, K.C., Papadakis, A.E., Tsavalas, N.D., Simos, P.G., Karantanas, A.H., Plaitakis, A., & Maris, T.G. (2012). White matter and deep gray matter hemodynamic changes in multiple sclerosis patients with clinically isolated syndrome. *Magnetic Resonance Imaging, 68,* 1932-1942.

Maestú F, López-Ibor MI, Fernandez A, Simos PG, Rodriguez-Palancas A, Campo P, Amo C, Capilla A, Ortiz T. Profiles of brain magnetic activity during a memory task in Alzheimer´s disease and non-demented elderly subjects, with or without depression. *Journal of Neurology, Neurosurgery, & Psychiatry,* 75, 1160-2, 2004.

Maestú, F., Arrazola, J., Fernández, A., Simos, P.G., Amo, C., Gil-Gregorio, P., Fernandez, S., Rodriguez, R., Papanicolaou, P.G., & Ortiz, T. Do cognitive-patterns of brain magnetic activity correlate with cerebral atrophy in Alzheimer´s disease? *Journal of Neurology, Neurosurgery, & Psychiatry, 74*, 208-212, 2003.

**Past Funding**

Advanced Age: Designing a protocol for the Evaluation of Cognitive Functions and Quality of Life and Evidence-Based Interventions. Cross-border Cooperation Programme “Greece-Cyprus 2007-2013”, co-funded by European Union and National Funds Total budget: €150,000.