



Master's thesis: "Executive functions and cerebral palsy"

Our last project: EXECUTIVE AND CEREBRAL CONNECTIVITY DYSFUNCTIONS IN DYSKINETIC CEREBRAL PALSY. We aimed to investigate alterations in cerebral connectivity and in executive functioning in dyskinetic cerebral palsy patients. We have all the data registered but not all the data have been analyzed yet. Preliminary findings showed, among other results, that executive dysfunction is at least as relevant to quality of life as other related factors like environment variables, communicative ability or even its motor impairment level.

Our future project: EXECUTIVE TRAINING IN CEREBRAL PALSY: PARTICIPATION, QUALITY OF LIFE AND BRAIN CONNECTIVITY. We aim to demonstrate the efficacy of executive functions training in children with cerebral palsy. The expected results are to bring preliminary evidence that cognitive training affects daily functioning and exerts a positive effect not only in the cognitive functioning of children with cerebral palsy but also on emotional and quality of life measures. Besides, we expect to observe changes in brain plasticity through the analysis of functional and structural connectivity parameters.

We accept master students (Master of Neurosciences and Master of General Health Psychology mainly) to work in our project and carry out their final thesis of master. Interest in Neuropsychology and Neuroimaging is required. There is the possibility to continue with doctoral studies in our research team.

Interested students should contact with Roser Pueyo (rpueyo@ub.edu).