

Research Statement - Fátima Gameiro, PhD

The aim of my research was to investigate the executive functions and its various components in obese adults subjects with and without Binge Eating Disorder(BED), compared with subjects normoweight without eating behavior disorders, analyzing the activities of daily living and quality of life in obese adults subjects with and without BED and assess the impact of executive functioning on activities of daily living and quality of life of obese subjects with and without BED.

Now, my research aims the evaluation of cognitive functioning, using neuropsychological tasks and methods like EEG, EMH and eye tracker, on obese adolescents and adults with and without eating behavior disorders, and the development of neuropsychological evaluation protocols and cognitive stimulation strategies.

In the near future, my research, part of a team, will focus on:

- assessment of cognitive functioning through online VR apps;
- stimulate cognitive functions of obese subjects using virtual reality

As researcher, I believe that the merge of psychological and neuropsychological paradigms with technology will enable the advance of these two areas of knowledge and, furthermore, will make the therapeutic process more accessible and user-friendly for both patients and caregivers.