Realidade virtual no tratamento da acrofobia

**Results:**

Recently virtual reality has been used to treat acrophobia through the simulation of phobic situations. The majority of these studies don’t have control groups, are single case studies or had used virtual reality before real exposition. For the acrophobia treatment we replicate in virtual ambience a real local (a building with 8 stories in Braga – Portugal). 10 subjects have been submitted to virtual reality exposition and the other 5 to a real ambience exposition. As the subjects approach the balcony, claim stores or report lower levels of subjective discomfort units the therapist offer verbal orientation and encouragement to the subjects (in the real and the virtual environments). The subjects are continually instructed and encouraged to explore the environment, look at the ground and stay as long as possible in each situation until their anxiety diminishes. In what concerns the virtual reality group instead of the short exposition the subjects after the treatment are able to claim more steps with less anxiety. In a follow-up year they are able to maintain these gains. Both groups didn’t show significant differences in what concerns the behaviour performance (number of steps claimed in a fire ladder) and the attitude towards heights and the acrophobia questionnaires. The treatment time has been very different between both treatments. The average treatment time for the virtual reality group has been 22,3 minutes and for the reality group has been 51,7 minutes. We can’t assume that the treatment with virtual reality is better or worse than the treatment with real environments, but we can say that the virtual reality treatment has real benefits and these are maintained in one-year time.

**Published Works:**


Researcher’s Contacts:

Departamento de Psicologia
Instituto de Educação e Psicologia
Universidade do Minho
Campus de Gualtar
4710 Braga; Portugal
Telephone: 253 604 240
Fax: 253 678 987
Email: jmas@iep.uminho.pt