

TOOLS FOR THE EVALUATION AND PSYCHOLOGICAL TREATMENT BASED ON THE NEW TECHNOLOGIES

DESCRIPTION OF THE TECHNOLOGY

Emotional disorders represent a significant health problem in Western societies; its prevalence is estimated at 1-5% of the general population.

Traditional management of emotional disorders is based on treatments that require the physical presence of health professionals such as clinical psychologists and psychiatrists, as well as its application to preset hours by professionals and patients. It is therefore particularly interesting to develop personalized treatment procedures that can be applied only in accordance with the patient's needs and schedules. In short, traditional treatments currently available have the problem of limited application by requiring the physical presence of the health professional.

The research group Labsitec, formed by

researchers at the University of Valencia and University Jaume I of Castellon, has designed new self-applicable tools for the patient to help him overcome certain emotional disorders (depression, anxiety, etc.) and phobias, such as fear of flying or fear of public speaking.

New technologies have been used to implement these new tools, which are based on the progressive exposure and controlled by the patient. Specifically they have used Virtual Reality to treat phobias, and Augmented Reality to address problems such as fear of small animals, or fear of heights or acrophobia. These new tools are applicable anywhere through fixed or portable devices, etc.

BUSINESS APPLICATION SECTORS

The technology is applicable in the field of clinical psychology, being specially directed to:

- Clinical psychologists
- Patients with emotional disorders and/or phobias
- Human Resources Departments

TECHNICAL ADVANTAGES AND BENEFITS

The new tools developed have the following advantages:

- Possibility of self-application by the user himself comfortably through any computer and/or smartphone
- Effectiveness: it has been successfully applied to several hundred patients with emotional disorders
- Versatility: applicability of the new tools at any time according to user needs and availability in any environment, and a wide range of emotional disorders
- Comfort: the new tools are self-administered by the patient himself

DEVELOPMENT STATUS OF TECHNOLOGY

Prototypes of the technology, developed and validated for license to companies potentially interested are available. Specifically are available computer programs and prototypes for smartphone to work anytime, anywhere, as long as the patient needs it.

INTELLECTUAL PROPERTY RIGHTS

The technology is protected by intellectual property rights associated with software.

COLLABORATION SOUGHT

Indicar el tipo de colaboración buscada:

- Technology license agreement
- R&D Project to complete the development

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RELATED IMAGES



Picture 1 and 2. Patients using the new tools for treatment of phobia disorders by computer and smartphone, respectively

CONTACT DATA

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