Craving MANAGER



CRAVING-MANAGER

Efficacy of a smartphone application designed to manage craving and individual predictors of substance use / addictive behavior among individuals with addictive disorders: Study protocol for a randomized controlled trial

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INTRODUCTION

Craving:

- An irrepressible and unvolontary desire to use the substance/addictive

Control group: EMA



behavior, despite the subject tries to remain abstinent.

- A major predictor of relapse, common to all addictions
- Person-specific cues could precipitate craving in daily life (Fatseas et al. 2015)
- Its management is an important focus of addiction treatments (Auriacombe et al. 2018)

Treatment Gap: Less than 25% of people with SUD receive addiction treatment (Rehm, Allamani et al. 2015)

EMI (Ecological Momentary Intervention) presents opportunities for treatments to be available to people during times and in situations when they are most needed (Heron and Smyth, 2010)

The **Craving-Manager** app has been developed by SANPSY lab to -assess and manage craving and individual predictors of use, and -delivers specific and personalized interventions (counseling messages), based on traditional approaches of addiction treatment.

OBJECTIVE

To evaluate the efficacy of using **Craving-Manager app** to initiate

decrease of use of main problematic substance/addictive behavior





4 electronic questionnaires/day



Monitor craving, use and presence of individual cues

Explore all substance/ behavioral addictions

Both explicit and passive (GPS)

detection of at risk situations



Delivery

Delivery of personalized interventions that adapt to the



Real-time

collection





over a 4 weeks period, among subjects requesting and waiting for starting a treatment program in addiction treatment centers.

METHOD

Randomized controlled trial comparing two parallel groups 6 centers: Bordeaux, Bayonne, La Réunion, Grenoble, Limoges, Poitiers

Study Size 274 patients 2 groups

Study duration

Duration of the inclusion period: 24 months Participant duration: 4 months Total duration of the research project : 28 months

Procedure of the research project



exact situation / needs

Delivery of individualized therapeutic interventions

Analysis strategy

A comparison between groups on the evolution of main problematic use/addictive behavior features over a 4 weeks period.

EXPECTED IMPACTS

Decrease in use of the main problematic substance / addictive behavior.

Craving-Manager app:

- Easy to-use and accessible to the greatest number of subjects
- Personalized and adjusted interventions
- Opportunities for treatments to be available when the most needed

At all stages of addiction

- First contact: Request for addiction treatment in inclusion center
- Pre-screening and pre-inclusion contacts
- Research evaluations (Classic assessment tools: ASI, MINI)
- Acceptability and feasibility questionnaires (AES, D-WAI, uMARS)



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- Explore all Use Disorders diagnoses
- Educate about addiction
- Provide a first treatment approach
- Regular re-assessment of severity and risk of addiction transfer

Usability

- Used autonomously or as a complement to standard treatments
- Possible alternative while waiting for treatment to begin
- Could refer the most severe subjects to specialized centers

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