







AVATARS SUPPORTING PERSPECTIVE TAKING IMPROVEMENT:

TOWARDS A NEW PARADIGM TO REDUCE DEPRESSIVE AFFECTS

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I. INTRODUCTION

- ► **7** Depression → **7** Private self-consciousness (1) + Exacerbation of negative self-relevant information (2).
- Feeling of distress: Higher self-focused attention + Confusion between one's own emotions and those of others in evaluation of negative situations (3).
- ► Self-focused attention: Shifting of the attention from the outer world to the inner world.
- Manipulation of self-focused attention → 7 Self-consciousness (private and public) + 7 Ego and alter-centric biases (4).
- ➤ Self-focused attention → ↘ Attention directed toward others (5).

Rather than manipulate self-focus attention, the current project offers a new paradigm consisting in directing attention toward others and in training other's perspective taking skills. It could help people suffering from subclinical levels of depression to be less self-centered, to better distinguish their feelings from those of others and to reduce their level of distress.

II. PARTICIPANTS & SELF-REPORTED MEASURES

2x25 participants: Subclinical depression / Cross design (waiting list) Self-reported measures:

- Beck Depression Inventory (BDI, 1987)
- Positive and Negative Affect Schedule (PANAS, Watson et al., 1988)
- Vicarious Distress Questionnaire (VDQ, Grynberg et al., 2012)
- Interpersonal Reactivity Index (IRI, Davis, 1980)
- Self-Consciousness Scale (SCS, Fenigstein, 1975)
- French Situational Self-Awareness Scale (FSAS, Auzoult, 2013)

III. HYPOTHESES

By focusing attention toward others, training sessions should enhance the distinction between oneself and others, reduce levels of distress and improve empathic abilities.

Training expected effects:

- H1 V Depression & distress,
- H2 V Self-focused attention,
- H3 7 Perspective taking.



VI. EXPERIMENT - a/ Design

Week 1		Weeks 2-5		Week 6		
t0		t1		t2		
PRE-TEST		TRAINING SESSIONS		POST-TEST		
Self-reported measures: Depression/Anxiety, Distress, Empathy, Self- consciousness, Motivation, Functional implications Behavioral task: - Visual & taclile stimulation		<u>10 computerized sessions</u> Durée : 20 minutes Freq. : 2-3/week Home training: - Perspective taking - With/without avatar	Depressi consciou implicatio Behavio	Self-reported measures: Depression/Anxiety, Distress, Empathy, Self- consciousness, Motivation, Functional implications Behavioral task: - Visual & taclile stimulation		
VI. EXPERIMENT - b/ Self- VISUAL & TACTILE EMPATHY TA This task assesses the distinct influenced by others' emotional others' emotions according to its	IV. EXPERIMENT - c/ Other PT training Orientation of the attention toward others: short display of other's avatar before querying the subject on other's feelings in a given emotional situation. Cross design with or without					
	Incon Self Self Self	gruent Congruent Other Self Other Other Self Other	avatar. How would you feel if you received flowers? With which intensity?	job? / What woul burned Chu With whice	has feel if he lost his d Manon feel if she ristmas meal? ch intensity?	
Conditions: Self v/s Other P	V. IMPLICA Consistent r distress affe → Further pers The current to clinica	TIONS esults could encourage therapies in ects and prevent depression.	SUBJECT tegrating affordable self	THOMAS	MANON	

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