Supplementary Material 1

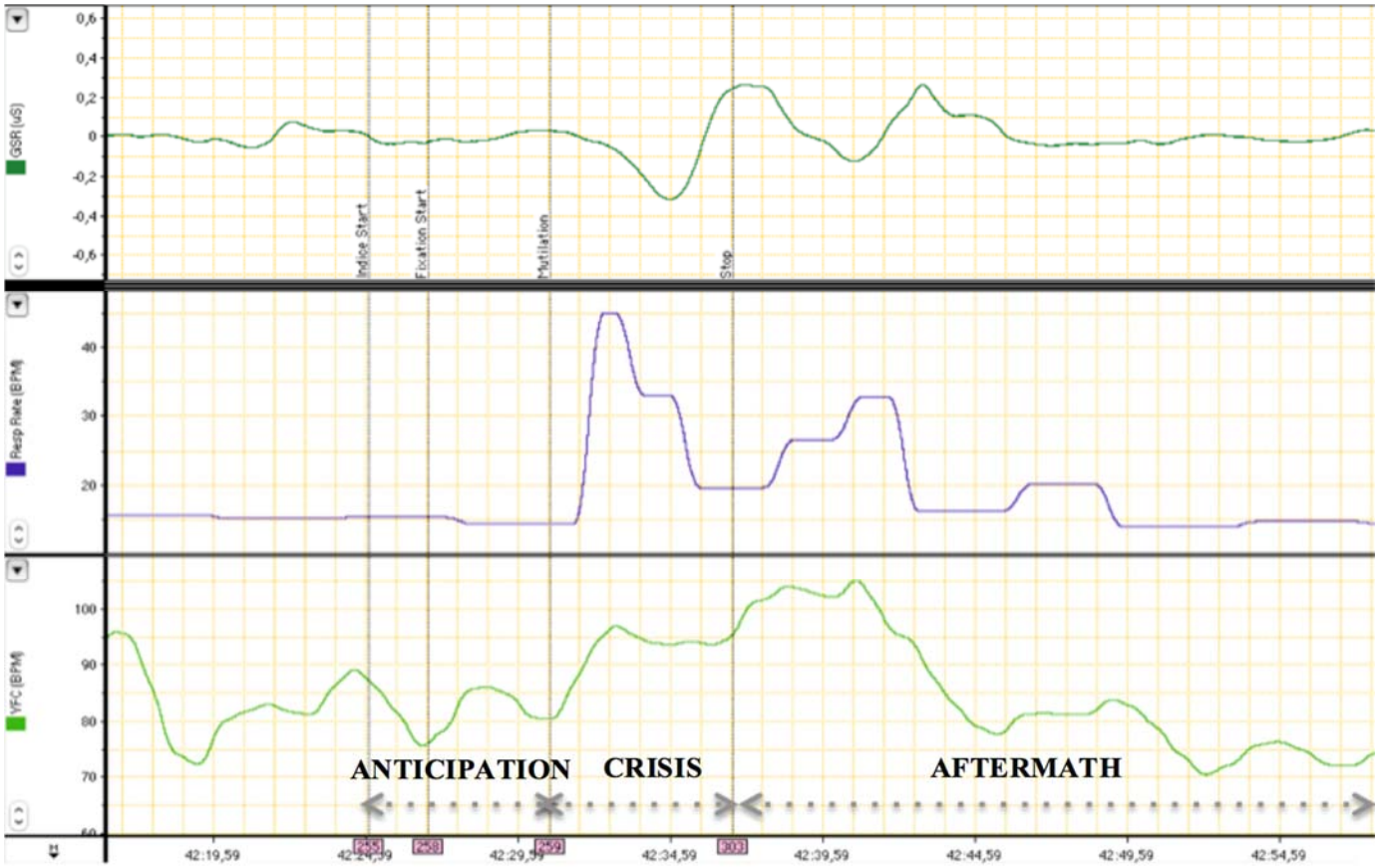

Figure 1 – An example (C-30) of the physiological curves measured during the 3 phases of emotional emergence (amplitude of the signal as a function of time). Skin conductance is on the top, respiratory rate signal is in the middle and heart rate signal is on the bottom. A square corresponds to 1 second.

Attachment to: Depraz N, Desmidt T. Cardiophenomenology: a refinement of neurophenome- nology II – an experiential-empirical inquiry of the surprise reaction in depression with preliminary results. GMS J Art Ther. 2022;4:Doc11. DOI: 10.3205/jat000026

Subjects	Phase: ANTICIPATION			
	Sub-phases	2sec	4sec	
C-27	HR	UP 6	UP 2	
	RR	FLAT	FLAT	
	SC	FLAT	FLAT	
	EI	Anticipation as a negative tension		
C-30	Sub-phases	2sec	2sec	2sec
	HR	DW 10	UP 10	DW 5
	RR	FLAT	FLAT	FLAT
	SC	FLAT	FLAT	FLAT
	EI	Undetermined anticipation		
D-05	Sub-phases	4sec		2sec
	HR	UP 8		DW 8
	RR	FLAT		PK 45
	SC	FLAT		FLAT
	EI	No Data		
D-07	Sub-phases	4sec		2sec
	HR	UP 10		DW 3
	RR	PK 37		FLAT
	SC	DW .3		UP 1
	EI	No data		

Subjects	Phase: CRISIS				
	Sub-phases	3sec		3sec	
C-27	HR	UP 4		DW10	
	RR	PK 40		PK 35	
	SC	DW .6		UP 1.2	
	EI	Starle		Cognitive processes	
C-30	Sub-phases	2sec	4sec		
	HR	UP 15	DW3		
	RR	PK 45	PK 33		
	SC	DW 0.3	UP 1		
	EI	Shock	Cognitive processes		
D-05	Sub-phases	1sec	3sec	1sec	1sec
	HR	DW 4	UP 9	DW 5	UP 5
	RR	DW .5	DW 1.5	UP 2	UP 2
	SC	FLAT	FLAT	FLAT	FLAT
	EI	PER	Emotion	PER	Emotion
D-07	Sub-phases	3sec		3sec	
	HR	UP 10		DW 10	
	RR	FLAT		FLAT	
	SC	FLAT		FLAT	
	EI	Emotion		Avoidance	

Subjects	Phase: AFTERMATH			
	Sub-phases	4sec	2sec	14sec
C-27	HR	FLAT	UP 6	DW 6
	RR	FLAT	FLAT	FLAT
	SC	DW 1	UP .8	DW .4
	EI	Avoidance	Disgust	Relaxation
C-30	Sub-phases	4sec	5sec	11sec
	HR	UP 10	DW 25	DW 5
	RR	PK 30	FLAT	FLAT
	SC	DW .2	UP .2	FLAT
	EI	Relaxation	Opposition	Cognitive processes
D-05	Sub-phases	10sec	10sec	
	HR	UP 15	DW 10	
	RR	PK 30	PK 70	
	SC	DWs/Ups	DWs/Ups	
	EI	Intense & persistent emotion		
D-07	Sub-phases	2sec	18sec	
	HR	UP 10	DW 17	
	RR	PK 50	PK 40	
	SC	FLAT	FLAT	
	EI	Emotional ambivalence, relaxation		

Table 1 – Comparisons of the physiological markers (HR: heart rate, RR: Respiratory Rate, SC: Skin Conductance) with the major components of the Explicitation Microphenomenological Interviews (EI) in the 3 phases (anticipation, crisis, aftermath) in the 4 subjects (C-27, C-30, D-05, D-07).
UP x indicates a acceleration of the signal of x units, DW y indicates a deceleration of the signal of y units, PK z indicates a peak of the signal with a maximum of z, FLAT indicates no change in the signal variation.