

Supplementary tables

Note: Variation percentages were calculated using baseline PSYRATS—AH scores and 3-month follow-up PSYRATS—AH scores, or when 3-month follow-up PSYRATS—AH scores were not available, post-therapy PSYRATS—AH scores were used. A negative result of PSYRATS—AH variation percentage indicated a reduction in the severity of auditory hallucinations.

Table S1. Correlations between the variation percentages of PSYRATS – AH subscale scores and sense of presence evaluated with the GRS and the IPQ.

	GRS mean scores (N=60)	IPQ mean scores (N=33)
PSYRATS – AH subscales	r_s	r_s
Attribution	-0.138	-0.095
Distress	-0.310*	0.047
Frequency	0.225	-0.331
Loudness	-0.285*	-0.402*

GRS: graphic rating scale; IPQ: Igroup Presence Questionnaire; PSYRATS—AH: Psychotic Symptom Rating Scales – Auditory Hallucinations; N: sample size; r_s : Spearman correlation coefficient.

** $p < 0.01$

* $p < 0.05$

Table S2. Correlations between the variation percentages of PSYRATS—AH subscale scores and emotions.

		PSYRATS—AH Attribution	PSYRATS—AH Distress	PSYRATS—AH Frequency	PSYRATS—AH Loudness
Mean emotional response	N	r_s	r_s	r_s	r_s
Sadness	18	-0.272	0.051	-0.241	0.289
Anger	60	-0.088	-0.044	-0.290*	0.153
Anxiety	60	-0.085	0.107	-0.343**	-0.017
Control	60	0.041	-0.216	-0.003	-0.109
Fear	60	-0.065	0.198	-0.233	-0.080
Serenity	60	0.191	-0.115	0.097	-0.092
Maximum of negative emotions	60	-0.092	0.116	-0.314*	0.028

PSYRATS—AH: Psychotic Symptom Rating Scales – Auditory Hallucinations; N: sample size;

r_s : Spearman correlation coefficient.

** $p < 0.01$

* $p < 0.05$

Table S3. Correlations between sense of presence, evaluated with the GRS and the IPQ, and variation percentages of PSYRATS—AH scores (3-month follow-up vs baseline and post-therapy vs baseline).

	GRS mean scores			IPQ mean scores		
	N	r _s	p-value	N	r _s	p-value
Variation in the severity of auditory hallucinations						
PSYRATS—AH (%) (3-month follow-up vs. baseline)	37	-0.307	0.065	13	-0.041	0.894
PSYRATS—AH (%) (post-therapy vs. baseline)	23	-0.485*	0.019	20	-0.464*	0.039

GRS: graphic rating scale; IPQ: Igroup Presence Questionnaire; PSYRATS—AH: Psychotic Symptom Rating Scales – Auditory Hallucinations; N: sample size; r_s: Spearman correlation coefficient.

Table S4. Correlations between sense of presence, evaluated with the GRS and the IPQ, and emotions, emotional intensity, and variation percentage of PSYRATS—AH scores for male and female participants.

	Male participants						Female participants					
	GRS mean scores			IPQ mean scores			GRS mean scores			IPQ mean scores		
	N	r _s	p-value	N	r _s	p-value	N	r _s	p-value	N	r _s	p-value
Mean emotional response												
Sadness	42	-0.113	0.475	41	0.065	0.686	26	0.170	0.407	26	0.139	0.499
Anger	76	-0.283*	0.013	55	0.019	0.892	36	0.126	0.464	29	0.192	0.318
Anxiety	76	-0.102	0.381	55	-0.084	0.541	36	-0.070	0.684	29	0.227	0.235
Fear	76	-0.151	0.194	55	0.057	0.682	36	-0.223	0.190	29	0.217	0.258
Serenity	76	0.341**	0.003	55	0.101	0.462	36	0.031	0.856	29	0.164	0.394
Control	76	0.272*	0.017	55	0.182	0.185	36	0.448**	0.006	29	0.345	0.067
Maximal emotional intensity												
Positive	76	0.363**	0.001	55	0.170	0.216	36	0.305	0.070	29	0.342	0.070
Negative	76	-0.207	0.073	55	-0.008	0.951	36	-0.007	0.968	29	0.249	0.193
Total	76	0.366**	0.001	55	0.280*	0.038	36	0.449**	0.006	29	0.300	0.114
Variation in the severity of auditory hallucinations (3-month follow-up vs. baseline)												
PSYRATS—AH (%)	45	-0.418**	0.004	25	-0.115	0.585	15	-0.334	0.224	8	-0.476	0.233

GRS: graphic rating scale; IPQ: Igroup Presence Questionnaire; PSYRATS—AH: Psychotic Symptom Rating Scales – Auditory Hallucinations; N: sample size; r_s: Spearman correlation coefficient.

Table S5. Correlations between age and sense of presence, evaluated with the GRS and the IPQ, emotions, emotional intensity, and variation percentage of PSYRATS—AH scores.

	Age		
	N	r_s	p-value
Mean emotional response			
Sadness	68	-0.014	0.911
Anger	112	0.077	0.417
Anxiety	112	-0.032	0.735
Fear	112	0.055	0.561
Serenity	112	0.037	0.697
Control	112	-0.032	0.646
Maximal emotional intensity			
Positive	112	0.043	0.652
Negative	112	0.041	0.669
Total	112	0.191*	0.043
Sense of presence			
GRS mean scores	112	0.136	0.153
IPQ mean scores	84	0.207	0.059
Variation in the severity of auditory hallucinations (3-month follow-up vs. baseline)			
PSYRATS—AH (%)	64	-0.173	0.171

GRS: graphic rating scale; IPQ: Igroup Presence Questionnaire; PSYRATS—AH: Psychotic Symptom Rating Scales – Auditory Hallucinations; N: sample size; r_s : Spearman correlation coefficient.