The Musictherapy impact

in reducing anxiety in cardiological post surgery patients



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To determine if Musictherapy interventions do impact in reducing post surgery anxiety.

HIPÓTESIS

Musictherapy interventions, as a non pharmacological approach reduce anxiety, and do not have negative effects, impacting in a positive way in the process of recovery

METHODS AND MATERIALS

Observational descriptive study, experimental with 2 aleatory groups

VARIABLES TO MEASURE:

BEFORE SURGERY: Anxiety grade (STAI scale) **BEFORE MUSICTHERAPY TREATMENT:** anxiety grade (STAI scale) **AFTER MUSICTHERAPY:** anxiety grade (STAI scale)

STUDY FELLOWS (O PATIENTS)

Post op surgery Patients with more than 18 years (from October 2016-july 2017) (n=47)

INDEPENDENT VARIABLE: Musictherapy **DEPENDENT VARIABLE:** Anxiety

OTHER VARIABLES: gender

VALIDATED SCALE: STAI (compare punctuation pre and post intervention)

INCLUSION CRITERIA:

- Pre op cardiological surgery patients above 18 years old who accept to participate in the study.

EXCLUSION CRITERIA:

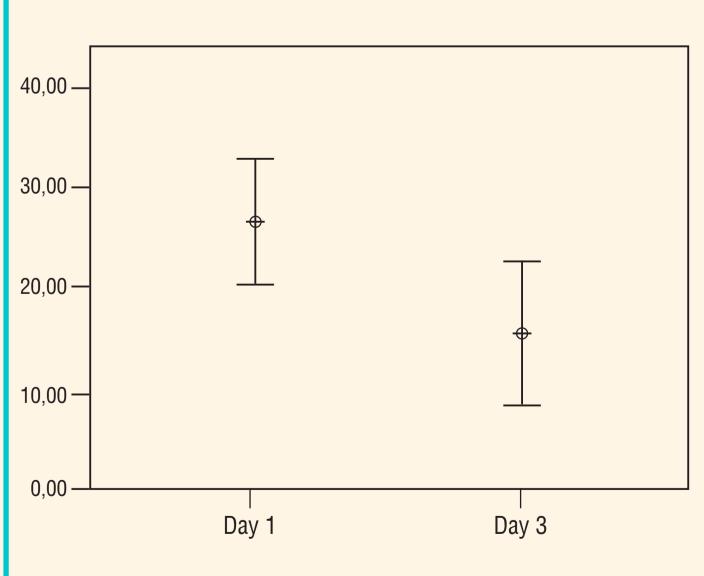
- Patients with cognitive disorders
- Patients who don't know how to read and write
- Patientes with auditive difficulties

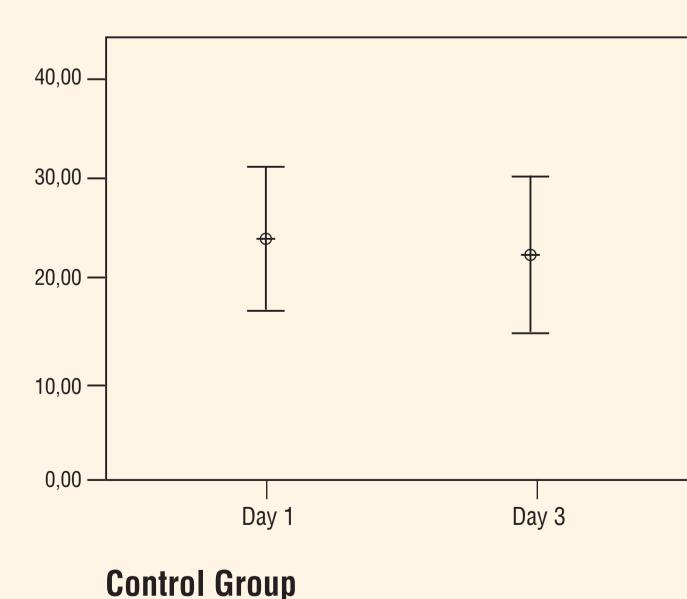
Study sample: 47 Patients

66% men 34% women

ANALYSIS OF DATA

The STAI scale average value in the experimental group, was significantly lower in the second take (3^{rd} day), than Baseline (26.5 ± 15.7 vs 15.7 ± 11.8 , p = 0.021





ANXIETY SCALE*

	Day 1	Day 3	Р	
Experimental Group	26,5 (10,6)	15,7 (11,8)	,021	
Control group	23,8 (10,1)	22,4 (11,7)	,759	

*Expressed as average (+/- standard deviation)

* *Anxiety, second shot (3th day)

DISCUSION

Experimental Group

Cardiological patients present a strong tendency to suffer anxiety disorders. The trait anxiety is a relatively stable parameter which measure the tendency of people to develop anxiety in their daily life. The state anxiety measures the level of anxiety that its perceive in a determine moment.

Patients which present a high level of of trait anxiety could increase significantly the level of state anxiety when they face a surgical procedure. The increment of scientific evidence allow music therapy to get more participation in medical care with patients with these characteristics.

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