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Effect of live music on anxiety and depression in cancer inpatients

Submission date
19/08/2022

Recruitment status
No longer recruiting

Registration date
17/10/2022

Overall study status
Completed

Last Edited
29/12/2023

Condition category
Mental and Behavioural Disorders

[ ] Prospectively registered
[ ] Protocol
[ ] Statistical analysis plan
[X] Results
[ ] Individual participant data

Plain English summary of protocol

Background and study aims:
Music medicine may decrease anxiety and depression in cancer patients, but the mechanism by which this happens is not known. Therefore, the aim of this study is to determine the effects and underlying thematic perspectives of music medicine on anxiety and depression in cancer inpatients.

Who can participate:
Qualifying cancer inpatients aged 18 years and older at Cooper University Hospital

What does the study involve?
The participant will be asked to complete a short survey which should take about 10 minutes. The participant will also be asked to listen to live music in the comfort of their own room for about 15 minutes. The participant will then complete a second, short survey, which should take about 10 minutes.

What are the possible benefits and risks of participating?
Benefits of participating in this study include the entertainment value of experiencing live music in the comfort of ones' hospital bed and a possible decrease in anxiety and depression. Additionally what is learned from the study may benefit cancer patients in the future. There are minimal risks associated with this survey and the study team does their best to minimize them. However, some of the questions may be about sensitive issues, which may be uncomfortable for some.

Where is the study run from?
Cooper University Hospital Cancer (USA)

When is the study starting and how long is it expected to run for?
June 2020 to July 2021

Who is funding the study?
Investigator initiated and funded

Who is the main contact?
Michael Rosenheck, michaelrosenheck@gmail.com

Contact information

Type(s)
Principal investigator

Contact name
Dr Michael Rosenheck

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Additional identifiers

Protocol serial number
1

Study information

Scientific Title
Quantitative and qualitative effects of live music medicine on anxiety and depression in cancer inpatients

Study objectives
Live music medicine decreases self-reported symptoms of anxiety and depression in cancer inpatients through a variety of previously postulated thematic prospective.

Ethics approval required
Old ethics approval format

Ethics approval(s)
Approved 18/03/2021, Cooper University Hospital Institutional Review Board (1 Cooper Plaza, Camden, NJ 08103, USA; +1 (0)800 826 6737; IRBOnlineHelp@cooperhealth.edu), ref: IRB#21-014

Primary study design
Observational

Study design

Single-center prospective cohort study

Study type(s)
Quality of life

Health condition(s) or problem(s) studied
Anxiety and depression in cancer inpatients

Interventions
Twenty-four cancer inpatients participated in this prospective cohort study to measure the effects of a private, 15-minute, live guitar/singing performance on anxiety and depression. Questions modified from the Hospital Anxiety and Depression Scale (HADS) and a written free response section were used. The most frequently used words within the free response sections were made into a word cloud and evaluated based on their thematic perspective.

Intervention Type
Behavioural

Primary outcome(s)
Anxiety and depression measured using a modified Hospital Anxiety and Depression Scale (HADS) questionnaire 1 hour before and immediately after the live musical performance

Key secondary outcome(s)
1. Thematic perspectives analyzed through a word cloud of most used words by patients on the post-performance free-response question immediately after the live musical performance
2. Change in self-described relationship to music measured via survey 1 hour before and immediately after the live musical performance
3. Age range, gender, and frequency of live musical performance attendance measured by pre-performance surveys

Completion date
29/07/2021

Eligibility

Key inclusion criteria
1. Patients aged 18 years and older
2 .Cancer diagnosis
3. Roomed on the cancer inpatient floor of Cooper University Hospital

Participant type(s)
Patient

Healthy volunteers allowed
No

Age group
Adult

Lower age limit

18 Years

Sex
All

Total final enrolment
24

Key exclusion criteria
1. Those who are deaf
2. Unable to read, write, or comprehend the survey
3. Had previously participated in the study
4. Under 18 years old
5. On end-of-life care or too critically ill to participate
6. Those that have more than one patient per room
7. The clinical team did not authorize the encounter

Date of first enrolment
01/04/2021

Date of final enrolment
29/07/2021

Locations

Countries of recruitment
United States of America

Study participating centre
Cooper University Hospital
1 Cooper Plaza
Camden, New Jersey
United States of America
08103

Sponsor information

Organisation
Cooper University Hospital

ROR
https://ror.org/049wjac82

Funder(s)

Funder type
Other

Funder Name
Investigator initiated and funded

Results and Publications

Individual participant data (IPD) sharing plan
The datasets generated and/or analyzed during the current study will be published as a supplement to the subsequent results publication.

IPD sharing plan summary
Published as a supplement to the results publication

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Preprint results		21/10/2022	29/12/2023	No	No