

Introduction

- This project studied the effects of music therapy in treating agitation in patients with dementia.
- Dementia is a broad term used for a syndrome involves a 0 slowly progressive cognitive decline, referred to as chronic confusion (Centers for Disease Control and Prevention, 2018)
- There are more than 100 diseases that can cause dementia (Dementia Australia Association, 2018)
- With dementia of all types, general deterioration of Ο intellectual function is chronic and progressive (Smits et al., 2015)

Background & Significance

- Number of people in the United States with dementia is estimated at 4.5 billion (Yaari & Corey-Bloom ,2007)
- Number of people with dementia is projected to triple between 2010 and 2050 (Hebert et al., 2013)
- Patients with dementia in long term care display symptoms of wandering
- Negative outcomes : falls, injuries, possibly death (Beattie, Song, & Lagore, 2005)
- Drugs use & side effects sedation, increased confusion, urinary retention constipation, tardive dyskinesia, gait disturbances falls, extrapyramidal symptoms, orthostatic hypotension, QT interval prolongation, cerebrovascular accidents, and increase mortality (Correll, Detraux, De Lepeleire, & De Hert, 2015; Kassew et al., 2019; Reutfors et al., 2016)

Methodology

- Convenience sample
- Six weeks of music therapy took place in a long-term care facility @ Newark, 24 hours/7 days of supervision to prevent wandering, elopement, and fall
- Criteria of inclusion:
- Adults English speaking male and female Diagnosis of dementia with no concurrent psychiatric disorders No hearing loss Free from medical conditions such as stroke or inability to walk Approved by family member or legal representatives
- \circ thirty-minutes per session twice a week for a period of six weeks
- Active music therapy Singing, clapping hands
- Music therapy session Pre-session : set up the electronic devices Session : participants will join the group music therapy session Post-session: Soft reflection on music therapy session
- The Cohen-Mansfield Agitation Inventory (CMAI) short form To assess agitation: before the music therapy session Every two weeks during the music therapy session And after the music therapy session.
- Approval from Rutgers School of Nursing IRB
- Recruitment process one week

Music Therapy for the Treatment of Agitation in Patients with Dementia

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Wilks' Lambda = .03, F (3,13) = 169.6, p < .01, n2 = .98Thus, there was significant evidence to reject the null hypothesis

Discussion

- Perception of the benefit of music therapy for patients with dementia
- Knowledge on music therapy
- On low cost of music therapy for patients with dementia
- Caregivers, family, healthcare staffs want to practice music therapy for patients with dementia
- Become more aware of the importance of music therapy to decrease agitation for patients with dementia
- Positive impacts when adhere to change

Recommendations

Available for public awareness in the form of articles, journals

- Present the findings and recommendations in speeches and presentations to:
 - Healthcare agencies
 - Organizations
 - Hospitals
 - Long term care
 - Assisted living facilities.

mplications on Practice

- Clinical practice
- Healthcare policy
- Quality & safety
- Education
- Economics

imitations

Small sample size increased the risk of type II error Lack of pluri-ethnicity from the study Most of the participants were Black with a percentage of 87.50 %.

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Contact Information