



Investigating Non-medical Interventions for Elderly Depression

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ABSTRACT

Geriatric medicine, also known as geriatrics, is a medical specialty that focuses on the care of older adults. As the world's population continues to age, the importance of geriatric medicine cannot be overstated. It plays a crucial role in addressing the unique healthcare needs of the elderly population and bridging the gap between scientific advancements and compassionate care. In this comprehensive discussion, we will explore the field of geriatric medicine, its evolution, challenges, and the critical role it plays in ensuring the well-being of our aging population. The demographic landscape of the world is undergoing a significant transformation. The aging population is increasing at an unprecedented rate, driven by factors such as improved healthcare, better living conditions, and declining birth rates. This demographic shift has profound implications for healthcare systems worldwide. As a result, geriatric medicine has emerged as a distinct medical specialty to address the specific healthcare needs of older adults.

Keywords: Aging population; Healthcare; Elderly population

INTRODUCTION

The origins of geriatric medicine can be traced back to the early 20th century when physicians began recognizing the need for specialized care for older adults. Over the decades, this field has evolved significantly, integrating scientific advancements with a focus on patient centered care. Geriatric medicine is rooted in evidence-based practice. Scientific research is central to understanding the unique healthcare needs of older adults, developing effective interventions, and improving the quality of care. Geriatric medicine faces numerous challenges, ranging from a shortage of healthcare professionals specializing in this field to the complex medical, social, and psychological needs of older adults. Geriatric medicine plays a pivotal role in improving the quality of life for older adults by providing comprehensive, patient centered care that addresses their physical, emotional, and social needs. In the context of geriatric depression, it can help address the loneliness and isolation often experienced by older adults. By working on enhancing social interactions and addressing unresolved conflicts, IPT can contribute to alleviating depressive symptoms. Reminiscence therapy involves discussing past experiences and memories as a therapeutic technique. For older adults, this can provide a sense of validation and purpose, fostering connections with their personal history and boosting self-esteem. By engaging

in guided reminiscence, individuals can find joy in reliving positive memories and strengthening their sense of identity.

LITERATURE REVIEW

Physical activity and exercise have been linked to improved mental health across all age groups. In the geriatric population, regular exercise can help alleviate depression by increasing the release of endorphins, reducing inflammation, and improving overall well-being. Activities like walking, yoga, and tai chi can be particularly beneficial for older adults. Interactions with animals, known as pet therapy or animal-assisted therapy, can have a positive impact on mental health. The companionship of pets can reduce feelings of loneliness and provide a source of joy and responsibility. Spending time with animals has been shown to release oxytocin and decrease cortisol levels, contributing to stress reduction. Engaging in volunteer activities and maintaining social connections can be instrumental in combating geriatric depression. Meaningful social interactions and a sense of purpose gained from helping others can boost self-esteem and provide a more positive outlook on life. Creating an environment that supports mental well-being is essential for older adults. This can involve optimizing lighting, incorporating soothing colours and ensuring a comfortable and safe living space. An improved living environment can positively influence mood and contribute to overall emotional health.

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DISCUSSION

Older adults are a diverse group with varying needs, preferences, and levels of cognitive and physical functioning. Tailoring interventions to meet individual requirements is essential for their success. Cultural factors play a significant role in how individuals perceive and engage with therapeutic interventions. It's crucial to consider cultural norms and beliefs when designing and implementing non-pharmacological approaches. Some older adults might be resistant to seeking help for depression due to stigma surrounding mental health issues. Raising awareness and reducing stigma within both the older population and society at large is important to encourage participation in non-pharmacological interventions. Access to mental health services can be limited for older adults, especially in rural or underserved areas. Efforts should be made to improve accessibility and provide resources for those who may not have easy access to these interventions. Geriatric individuals often have various medical conditions and may be taking multiple medications. It's important to consider potential interactions between interventions and medications, as well as any physical limitations that may affect participation. Maintaining the effects of non-pharmacological interventions over the long term can be challenging. Strategies for ongoing support and follow-up are necessary to prevent relapse and sustain the benefits gained from these interventions. In many cases, caregivers play a crucial role in the lives of older adults. Involving caregivers in the intervention [1].

More research is needed to directly compare the effectiveness of different non-pharmacological interventions. Understanding which interventions work best for specific individuals or subgroups can guide treatment recommendations. Integration with Exploring the synergies between non-pharmacological and pharmacological treatments could lead to more comprehensive and personalized approaches to geriatric depression. With the advancement of technology, digital platforms and telehealth can be used to deliver non-pharmacological interventions, making them more accessible and convenient for older adults. Further investigation into the neurobiological mechanisms underlying the effects of non-pharmacological interventions can provide insights into how these interventions impact brain function and contribute to mood improvement. Studying the long-term effects of non-pharmacological interventions can shed light on their sustainability and the potential for preventing recurrence of depressive episodes [2].

Physicians, psychologists, and other healthcare providers should receive training in geriatric mental health. This includes understanding the unique needs of older adults, recognizing symptoms of depression, and being knowledgeable about various non-pharmacological interventions. An integrated approach involving collaboration between medical professionals, mental health experts, and caregivers can ensure that the individual's physical, emotional, and social needs are addressed comprehensively. Raising awareness about the prevalence of geriatric depression and the effectiveness of non-pharmacological interventions is vital. Educational campaigns can help reduce stigma, encourage help-seeking behaviour, and empower older adults to engage in these interventions. The identification of genetic pathways and specific genes involved in aging opens up the possibility of developing pharmacological interventions to target these pathways. Researchers are actively investigating compounds that can modulate these pathways, such as senolytics that selectively eliminate senescent cells, or drugs that mimic the effects of caloric

restriction or activate sirtuins. These interventions aim to slow down the aging process, delay the onset of age-related diseases, and ultimately extend healthy lifespan. While much more research is needed to validate the safety and efficacy of these interventions in humans, the potential is promising [3].

Community centres, senior living facilities, and local organizations can offer spaces for group therapy sessions, creative workshops, and physical activity classes. Creating a supportive environment that encourages participation can significantly enhance the impact of these interventions. Caregivers, including family members and professional caregivers, should be educated about the importance of non-pharmacological interventions and how to support older adults in engaging with these activities. Non-pharmacological interventions should be tailored to individual preferences and needs. This might involve assessing an individual's interests, physical capabilities, and cultural background to create a personalized intervention plan. Regular assessment of depressive symptoms and overall well-being can help track the progress of the interventions. Outcome measures can guide adjustments to the intervention plan as needed. As digital platforms become more prevalent, integrating technology into non-pharmacological interventions can enhance accessibility and engagement, particularly for those who are unable to attend in-person sessions [4].

Engaging in meaningful activities, building social connections, and gaining a sense of purpose can significantly improve an individual's overall quality of life. Many interventions, such as cognitive training and creative therapies; have the potential to improve cognitive function and memory, which are important for maintaining independence in older age. Interventions like exercise and mindfulness not only improve mental health but also have positive effects on physical health, such as cardiovascular fitness, immune function, and pain management. Effective non-pharmacological interventions can lead to reduced healthcare utilization by preventing or managing depressive episodes, thereby decreasing hospitalizations and medical interventions [5].

As the field of longevity and genetics advances, ethical considerations come into play. The prospect of extending human lifespan raises questions about resource allocation, social inequality, and the impact on population dynamics. It is crucial to navigate these ethical considerations thoughtfully and ensure that the benefits of lifespan extension are accessible to all, promoting equitable and inclusive approaches to healthy aging [6].

CONCLUSION

Geriatric depression poses a significant challenge to the well-being of older adults, but non-pharmacological interventions offer a promising avenue for improving mental health without solely relying on medication. By embracing a holistic approach that considers individual needs, preferences, and the unique challenges faced by older adults, society can empower this population to engage in activities that foster emotional well-being and overall life satisfaction. Through continued research, education, and collaboration between healthcare providers, caregivers, and the community, non-pharmacological interventions can become an integral part of geriatric mental health care. By addressing the multifaceted nature of depression in older adults, these interventions not only alleviate symptoms but also contribute to a more vibrant and fulfilling life in the later years. As we move forward, prioritizing and investing in these interventions can lead to a brighter and healthier future for the aging population.

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CONFLICT OF INTEREST

None.

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