PREVALENCE OF DEPRESSION AND FACTORS INFLUENCING IT AMONG GERIATRIC POPULATION ATTENDING THE OUTPATIENT DEPARTMENT OF A TERTIARY CARE HOSPITAL

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ABSTRACT

Depression is a state of feeling sad, miserable and down in the dumps with loss of self-confidence. Depression despite being a serious condition in all age groups is more common and significant in the geriatric population as it is associated with morbidity and mortality. The cause of depression is multifactorial. Various scales have been developed to assess depression of which the Geriatric Depression Scale is most suited for elderly population and those with dementia. In our study, we aim to analyse the prevalence of depression among elderly patients visiting the outpatient departments of a tertiary care hospital and determine the factors influencing depression in them. The study was an Observational study carried out on 51 elderly patients over the age of 60 years attending the outpatient departments of PSG Hospital. The Geriatric Depression Scale Short form was used to determine the prevalence of depression. A self-designed questionnaire considering various factors causing depression was administered to determine the factors influencing depression. It was found that among 51 elders in the age group of 60 to 80 years, 58.8% were depressed of which 54% were males and 68% were females. Financial fears regarding future and income insufficiency were the most important factors contributing to depression. This shows that monetary fear is a major factor resulting in depression. The government and other organizations must ensure that better support both financial and other services like healthcare are provided to the elderly in order to prevent depressive illnesses.

KEYWORDS

Depression, Elderly, Geriatric population, The Geriatric Depression Scale.

1. INTRODUCTION

Depression is a condition characterised by feeling sad, miserable and down in the dumps. Studies have shown that depression is very prevalent among the geriatric age group and is a common cause of disability in them. Among its consequences are reduced life satisfaction and quality, social deprivation, loneliness, cognitive decline, impairments in activities of daily living, suicide and increased mortality [1].

Most likely, depression is caused by a combination of genetic, biological, environmental and psychological factors. Depressive illnesses are disorders of the brain and longstanding theories

about depression suggest that important neurotransmitter chemicals that the brain cells use to communicate are out of balance in depression [2]

Several scales are used to assess depression. They include Hamilton Depression Rating Scale, Beck Depression Inventory, The Geriatric Depression Scale (GDS) and Montgomery-Asberg Depression Rating Scale [3] [4] [5] [6]. The GDS is a self-administered scale that has been extensively tested and used in elderly patients and for patients with mild to moderate dementia. The GDS Long form is a 30 point questionnaire in which the patients are asked to give a yes or no answer in reference to how they felt over the past week. A score of 0-9 was considered normal. 10-19 was considered mild depression and 20-30 as severe depression [7]. A short form of GDS consisting of 15 questions (GDS-15) was also developed which was more suited for patients with dementia because of their relatively short memory and attention span. A score of 5-8 suggests mild depression, 9-11 denotes moderate depression and 12-15 means the patient suffers from severe depression [8].

In our study, we aim to determine the prevalence of depression among elderly patients visiting the outpatient departments of PSG Hospital, which a tertiary care multispecialty hospital. The possible factors responsible for depression among geriatric patients were also analysed.

2. METHODOLOGY

Approval for carrying out the research was obtained from the Institutional Human Ethics Committee of PSG Institute of Medical Sciences and Research.

The study was an Observational study involving collection of data from sample subjects. Elderly patients above the age of 60 years attending the outpatient service of PSG Hospitals were considered. Patients with known psychiatric conditions were excluded. The GDS-15, the short form of Geriatric Depression Scale was used to assess the prevalence of depression among elderly samples. A questionnaire was prepared, keeping various causative factors of depression in mind, to assess the possible factors that could cause depression in elderly.

An informed consent was obtained from the study population and a detailed one to one interview was conducted. Data was collected from 51 elderly subjects over 60 years of age. The results were tabulated and analysed using GDS-15, questionnaire and statistical tools.

3. RESULTS

A survey was done in 51 elderly people.

The age range of the study population was 60-80 years.

There were 35 males and 16 females.

The prevalence of depression was 58.8%.

Table 1. Prevalence of Depression n=51.

Depression	Total number of people	Prevalence
Yes	30	58.8%
No	21	41.2%

Table 2. Prevalence of Depression in males and females n(males)=35, n(females)=16.

Depression	Total number of people	Prevalence	Probability (p) value
Males	19	54%	p=0.330
Females	11	68%	

Table 3. Factors influencing Depression n=51.

Factors	Total number of people	Percentage of people depressed	Probability (p) value
Financial fear regarding future			p=0.003
Yes	25	80%	
No	26	38%	
Living alone			p=0.493
Yes	4	75%	
No	47	57%	
Income sufficiency			p=0.000
Yes	25	28%	
No	26	88%	
Recent death in family			p=0.673
Yes	13	54%	
No	38	61%	
Chronic illnesses			p=0.881
Yes	37	59%	
No	14	57%	

4. DISCUSSION

Depression is a serious condition for people of all age groups, but for the older population, it is often associated with other comorbid conditions like physical disability, anxiety and dementia that exacerbate distress experienced by older people and their carers [9]. The multifactorial risk for depression involves bio psychosocial context, family history of depression, drug abuse and abuse of other substances like alcohol, somatic diseases with disability and chronic pain, damage to body image, daily loneliness and social isolation, recent grief, fear of death as well as decreased availability of social support and economic resources, capacity of living in community and the need for assistance in day to day activities [10].

In this study, we analysed the prevalence of depression and the factors influencing it among 51 elders belonging to the age group of 60 to 80 years and found that 58.8% of the elders were depressed. We considered factors like financial fear which may arise in the future, insufficiency of income, recent death, chronic illness and physical disability and loneliness. Our interpretations were based on GDS-15. In our study, the major factors influencing depression based on probability were financial fear and income insufficiency. Although more females were found to be depressed compared to males, sex as a causative factor for depression was not found to be significant.

Studies show that depression involves almost 20% of people over 65 years, 36% over 75 years and 40% above the age of 85 years [11]. Success to the management of depression involves valid and reliable self-report. Improving the identification of people with actual or potential mental health difficulties for referral to general practitioners or mental health practitioners for diagnostic assessment and treatment also plays an important role in preventing major depressive illnesses. More support from government and other institutions to alleviate monetary fear and provision of other services like healthcare and old age homes must be a point of focus.

5. CONCLUSION

A study was conducted on 51 elders over the age of 60 years, of which 54% were males and 68% were females and it was found that 58.8% of them suffered from depression. Financial fears regarding future and income insufficiency were found to be the most important factors influencing depression.

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