

BronxCare Treatment Modalities of Chronic Pain In Elderly With Depression

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Introduction

- The United State's 65-and-over population is estimated to double over the next 30 years, from 48 million to 88 million.
- The overall prevalence of major depression in the healthy population of 65 year old and older is 1-4%. This number is 25% in elderly with chronic medical illness.
- The prevalence of chronic pain in elderly population is 55% in the population of 60 year old and above¹⁴ and 62% in the population of 75 year old and above.
- The risk of depression increases by 2.5 to 4.1 times with concurrent chronic pain.
- Due to the strong correlation of these two conditions, treatment of each can potentially improve the other.

Methods

- A systematic literature review was carried out using PRISMA model on PubMed on December 1st, 2020, by five authors
- Search terms included (Major depressive disorder OR MDD OR unipolar depression) AND (chronic pain) AND (elderly).

Inclusion criteria were as follows:

- 1) Studies should report on depression and chronic pain in elderly (age 65 and above)
- 2) Studies in English only
- 3) Case report, case series, met analysis published between 2010-2020
- 4) Studies must include a description of treatment modalities.
- Articles were reviewed in two separate levels, abstract review followed by full article review.
- Eligible articles were included in the study by the five independent authors.

Results

- 540 papers were found on PubMed
- 37 papers were approved after abstract level review
- 15 papers were finalized after full literature review
- Our review showed co-occurrence of chronic pain and depression in 13% of elderly population
- Common pain symptoms were related to cancer, back pain and arthritis.

Discussion

- A variety of treatments were seen through the review that can be categorized as pharmacological and nonpharmacological.
- The treatments includes, dog assisted therapy (DAT), depression and pain (DROP) program, medical marijuana, trans-cranial magnetic stimulation (TMS), mindfulness-based cognitive therapy, pain care management, duloxetine combined with pain care management, cognitive behavioral therapy (CBT), antidepressants, and CBT combined with antidepressants
- Management of chronic pain and depression especially in elderly population requires a multi-disciplinary team based approach and all disciplines should work collaboratively in order to deliver the best care possible.

Conclusions

This review highlights the importance of meticulous history taking, screening for depression and chronic pain using appropriate tools, and treating using a combination of pharmacological and non-pharmacological options available for every individual for a better outcome.

References

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