

## BioMed Central

**Title: Title of Your Manuscript**

**Abstract: (Limit: 250 words)**

**A concise summary of your study, including background, methods, results, and conclusions.**

**Example:** *"This study aimed to investigate the efficacy of a new treatment for Alzheimer's disease in a randomized controlled trial. Patients were randomly assigned to either the treatment group or the control group. The treatment group showed a significant improvement in cognitive function compared to the control group ( $p < 0.05$ ). These findings suggest that the new treatment may be a promising option for Alzheimer's disease patients."*

**Background: (Limit: Not specified)**

**Provide context for your study and explain its importance/relevance.**

**Example:** *"Alzheimer's disease is a progressive neurodegenerative disorder that affects millions of people worldwide. Currently, there is no cure for Alzheimer's disease, and existing treatments only provide symptomatic relief. Therefore, there is an urgent need for new and more effective treatments for this devastating condition."*

**Methods: (Limit: Not specified)**

**Describe the design, setting, participants, interventions, and outcomes of your study. Include any statistical methods used.**

**Example:** *"This was a multicenter, double-blind, placebo-controlled randomized controlled trial. Patients with mild to moderate Alzheimer's disease were recruited from three hospitals in the region. The treatment group received the new treatment, while the control group received a placebo. The primary outcome measure was the change in cognitive function from baseline to week 12, as assessed by the Mini-Mental State Examination (MMSE)."*

**Results: (Limit: Not specified)**

**Present your main findings with relevant data and statistics. Use tables and figures if necessary.**

**Example:** *"A total of 100 patients were included in the study, with 50 patients in each group. The treatment group showed a mean improvement of 3.5 points on the MMSE, while the control group showed a mean improvement of 1.2 points. The difference between the two groups was statistically significant ( $p < 0.05$ ), indicating that the new treatment was superior to placebo in improving cognitive function."*

**Discussion: (Limit: Not specified)**

**Interpret your results and discuss their implications. Compare your findings with existing literature and address the limitations of your study.**

**Example:** *"The results of this study suggest that the new treatment may be a promising option for Alzheimer's disease patients. However, further studies are needed to confirm these findings and to determine the long-term efficacy and safety of the treatment. Additionally, the cost-effectiveness of the treatment should be evaluated to assess its potential impact on healthcare systems."*

**Conclusions: (Limit: Not specified)**

**Summarize the main outcomes of your study and suggest future research directions if applicable.**

**Example:** *"In conclusion, this study provides preliminary evidence that the new treatment may improve cognitive function in Alzheimer's disease patients. Further research is warranted to confirm these findings and to determine the optimal dose and duration of treatment."*

**Keywords: (Limit: 3-6 keywords)**

List 3-6 keywords that best describe your manuscript.

**Example:** *Alzheimer's disease, cognitive function, randomized controlled trial, new treatment*

**Funding: (Limit: Not specified)**

If applicable, acknowledge any funding sources for your study.

**Example:** *"This study was funded by a grant from the National Institutes of Health (NIH) (grant number XXXXXX)."*

**Availability of data and materials: (Limit: Not specified)**

State if data and materials are available and how they can be accessed.

**Example:** *"The data and materials used in this study are available upon request from the corresponding author."*

**Ethics approval and consent to participate: (Limit: Not specified)**

Provide information on ethical approval and consent procedures if applicable.

**Example:** *"This study was approved by the ethics committee of each participating hospital. All patients provided written informed consent to participate in the study."*

**Consent for publication: (Limit: Not specified)**

If applicable, include a statement on consent for publication from participants.

**Example:** *"All authors have provided consent for publication of this manuscript."*

**Competing interests: (Limit: Not specified)**

Declare any competing interests related to your study.

**Example:** *"The authors declare no competing interests."*

**Authors' contributions: (Limit: Not specified)**

List the contributions of each author to the study.

**Example:** *"AB and CD conceived and designed the study. EF and GH conducted the study and collected the data. IJ analyzed the data. KL wrote the manuscript. All authors read and approved the final manuscript."*

**Acknowledgements: (Limit: Not specified)**

Thank any individuals or organizations that contributed to your study but do not qualify for authorship.

**Example:** *"The authors would like to thank the patients who participated in this study and the staff at the participating hospitals for their assistance."*

**References: (Limit: Not specified)**

List all references cited in your manuscript following a specific citation style (e.g., AMA, APA, etc.).

**Example:** *"Smith A, Jones B, Doe C. Efficacy of a new treatment for Alzheimer's disease: a randomized controlled trial. J Alzheimer's Dis. 2023;45(2):345-56."*