**TITLE PAGE**

**Title:** Include “protocol” and the study type in the title.

**Authors:**

**Affiliation:**

**Correspondence to:**

**Running title:** no more than 60 characters, including spaces.

**Word Count:** no limit for Study Protocol.

**Number of figures, videos and tables:** no limit.

**Contributions:**

**Abstract (200~350 words)**

\* Please note that the abstract should provide a complete and accurate description of the article’s content.

Background:

Methods:

Discussion:

Trial Registration:

**Keywords:** 3~5 words

**1. Introduction**

\* Please note that the rationale should be clearly expressed, and the objective should be presented clearly and logically.

1.1 Background

1.2 Rationale and knowledge gap

1.3 Objective

This manuscript is written following the xxx checklist (if applicable).

**2. Methods**

\*Please ensure that the method description is sufficiently detailed to make the study reproducible.

\*Kindly note that the robustness and appropriateness of the study design will be assessed in focus.

**3. Discussion (Unstructured)**

\* Please check that the discussion section is with the necessary rigor, critical thinking, and comprehensiveness.

\* Recommend discussing potential challenges and solutions, and strengths and limitations of the protocol etc.

**Acknowledgments**

Report any acknowledgments here/None.

**Footnote**

(If applicable) Reporting Checklist: The authors have completed the xxx reporting checklist.

Funding: Report the funding source here, e.g. funding agency name (grant number xxxx)/None.

Conflicts of Interest:

Ethical Statement:

**References**

No limit.

\* Please kindly check that the reference is appropriate in number and up to date.

\* Please kindly check the manuscript for any statements lacking proper parenthetical citations and for redundancies/unnecessary citations.

**Tables**

No limit.

\* Please double check that the tables are well-structured and have high resolution, causing no blurriness or reducing readability.

\* Please kindly check that the tables are well-annotated and easy to read and understand.

\* Please carefully verify the correctness of the data in the tables and their consistency with the data in the main text and abstract, especially the statistical dimensions (e.g., P-values and confidence intervals).

**Figures**

No limit.

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**Legends**

\* Please present the full names of abbreviations, special symbols, any missing data and other necessary explanations in the table legends and figure legends, so that the figures and tables stand alone.

**Supplementary Appendix**