

ICMJE DISCLOSURE FORM

Date: 2/19/2024

Your Name: Yuchi Lu

Manuscript Title: Prophylactic efficacy of an intranasal spray with two synergetic antibodies neutralizing Omicron

Manuscript Number (if known): 171034-INS-RG-RV-3

In the interest of transparency, we ask you to disclose all relationships/activities/interests listed below that are related to the content of your manuscript. "Related" means any relation with for-profit or not-for-profit third parties whose interests may be affected by the content of the manuscript. Disclosure represents a commitment to transparency and does not necessarily indicate a bias. If you are in doubt about whether to list a relationship/activity/interest, it is preferable that you do so.

The author's relationships/activities/interests should be defined broadly. For example, if your manuscript pertains to the epidemiology of hypertension, you should declare all relationships with manufacturers of antihypertensive medication, even if that medication is not mentioned in the manuscript.

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Your Name: Yingming Wang

Manuscript Title: Prophylactic efficacy of an intranasal spray with two synergetic antibodies neutralizing Omicron

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Date: 2/19/2024

Your Name: Yang Tian

Manuscript Title: Prophylactic efficacy of an intranasal spray with two synergetic antibodies neutralizing Omicron

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I certify that I have answered every question and have not altered the wording of any of the questions on this form.

ICMJE DISCLOSURE FORM

Date: 2/19/2024

Your Name: Xinghai Zhang

Manuscript Title: Prophylactic efficacy of an intranasal spray with two synergetic antibodies neutralizing Omicron

Manuscript Number (if known): 171034-INS-RG-RV-3

In the interest of transparency, we ask you to disclose all relationships/activities/interests listed below that are related to the content of your manuscript. "Related" means any relation with for-profit or not-for-profit third parties whose interests may be affected by the content of the manuscript. Disclosure represents a commitment to transparency and does not necessarily indicate a bias. If you are in doubt about whether to list a relationship/activity/interest, it is preferable that you do so.

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ICMJE DISCLOSURE FORM

Date: 2/19/2024

Your Name: Xiaoyun Ji

Manuscript Title: Prophylactic efficacy of an intranasal spray with two synergetic antibodies neutralizing Omicron

Manuscript Number (if known): 171034-INS-RG-RV-3

In the interest of transparency, we ask you to disclose all relationships/activities/interests listed below that are related to the content of your manuscript. "Related" means any relation with for-profit or not-for-profit third parties whose interests may be affected by the content of the manuscript. Disclosure represents a commitment to transparency and does not necessarily indicate a bias. If you are in doubt about whether to list a relationship/activity/interest, it is preferable that you do so.

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Date: 2/19/2024

Your Name: Xiaojian Han

Manuscript Title: Prophylactic efficacy of an intranasal spray with two synergetic antibodies neutralizing Omicron

Manuscript Number (if known): 171034-INS-RG-RV-3

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Date: 2/19/2024

Your Name: Xiaodong Zhao

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Manuscript Number (if known): 171034-INS-RG-RV-3

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ICMJE DISCLOSURE FORM

Date: 2/19/2024

Your Name: Wei Wang

Manuscript Title: Prophylactic efficacy of an intranasal spray with two synergetic antibodies neutralizing Omicron

Manuscript Number (if known): 171034-INS-RG-RV-3

In the interest of transparency, we ask you to disclose all relationships/activities/interests listed below that are related to the content of your manuscript. "Related" means any relation with for-profit or not-for-profit third parties whose interests may be affected by the content of the manuscript. Disclosure represents a commitment to transparency and does not necessarily indicate a bias. If you are in doubt about whether to list a relationship/activity/interest, it is preferable that you do so.

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ICMJE DISCLOSURE FORM

Date: 2/19/2024

Your Name: Tingting Lu

Manuscript Title: Prophylactic efficacy of an intranasal spray with two synergetic antibodies neutralizing Omicron

Manuscript Number (if known): 171034-INS-RG-RV-3

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ICMJE DISCLOSURE FORM

Date: 2/19/2024

Your Name: Tingting Li

Manuscript Title: Prophylactic efficacy of an intranasal spray with two synergetic antibodies neutralizing Omicron

Manuscript Number (if known): 171034-INS-RG-RV-3

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Date: 2/19/2024

Your Name: Tengchuan Jin

Manuscript Title: Prophylactic efficacy of an intranasal spray with two synergetic antibodies neutralizing Omicron

Manuscript Number (if known): 171034-INS-RG-RV-3

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I certify that I have answered every question and have not altered the wording of any of the questions on this form.

ICMJE DISCLOSURE FORM

Date: 2/19/2024

Your Name: Shuyi Song

Manuscript Title: Prophylactic efficacy of an intranasal spray with two synergetic antibodies neutralizing Omicron

Manuscript Number (if known): 171034-INS-RG-RV-3

In the interest of transparency, we ask you to disclose all relationships/activities/interests listed below that are related to the content of your manuscript. "Related" means any relation with for-profit or not-for-profit third parties whose interests may be affected by the content of the manuscript. Disclosure represents a commitment to transparency and does not necessarily indicate a bias. If you are in doubt about whether to list a relationship/activity/interest, it is preferable that you do so.

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ICMJE DISCLOSURE FORM

Date: 2/19/2024

Your Name: Shuhui Luo

Manuscript Title: Prophylactic efficacy of an intranasal spray with two synergetic antibodies neutralizing Omicron

Manuscript Number (if known): 171034-INS-RG-RV-3

In the interest of transparency, we ask you to disclose all relationships/activities/interests listed below that are related to the content of your manuscript. "Related" means any relation with for-profit or not-for-profit third parties whose interests may be affected by the content of the manuscript. Disclosure represents a commitment to transparency and does not necessarily indicate a bias. If you are in doubt about whether to list a relationship/activity/interest, it is preferable that you do so.

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ICMJE DISCLOSURE FORM

Date: 2/19/2024

Your Name: Shaohong Chen

Manuscript Title: Prophylactic efficacy of an intranasal spray with two synergetic antibodies neutralizing Omicron

Manuscript Number (if known): 171034-INS-RG-RV-3

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ICMJE DISCLOSURE FORM

Date: 2/19/2024

Your Name: Sandra Chiu

Manuscript Title: Prophylactic efficacy of an intranasal spray with two synergetic antibodies neutralizing Omicron

Manuscript Number (if known): 171034-INS-RG-RV-3

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ICMJE DISCLOSURE FORM

Date: 2/19/2024

Your Name: Rui Gong

Manuscript Title: Prophylactic efficacy of an intranasal spray with two synergetic antibodies neutralizing Omicron

Manuscript Number (if known): 171034-INS-RG-RV-3

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ICMJE DISCLOSURE FORM

Date: 2/19/2024

Your Name: Ni Tang

Manuscript Title: Prophylactic efficacy of an intranasal spray with two synergetic antibodies neutralizing Omicron

Manuscript Number (if known): 171034-INS-RG-RV-3

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ICMJE DISCLOSURE FORM

Date: 2/19/2024

Your Name: Menglu Ding

Manuscript Title: Prophylactic efficacy of an intranasal spray with two synergetic antibodies neutralizing Omicron

Manuscript Number (if known): 171034-INS-RG-RV-3

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ICMJE DISCLOSURE FORM

Date: 2/19/2024

Your Name: Meiying Shen

Manuscript Title: Prophylactic efficacy of an intranasal spray with two synergetic antibodies neutralizing Omicron

Manuscript Number (if known): 171034-INS-RG-RV-3

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ICMJE DISCLOSURE FORM

Date: 2/19/2024

Your Name: Kai Wang

Manuscript Title: Prophylactic efficacy of an intranasal spray with two synergetic antibodies neutralizing Omicron

Manuscript Number (if known): 171034-INS-RG-RV-3

In the interest of transparency, we ask you to disclose all relationships/activities/interests listed below that are related to the content of your manuscript. "Related" means any relation with for-profit or not-for-profit third parties whose interests may be affected by the content of the manuscript. Disclosure represents a commitment to transparency and does not necessarily indicate a bias. If you are in doubt about whether to list a relationship/activity/interest, it is preferable that you do so.

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ICMJE DISCLOSURE FORM

Date: 2/19/2024

Your Name: Junhui Zhou

Manuscript Title: Prophylactic efficacy of an intranasal spray with two synergetic antibodies neutralizing Omicron

Manuscript Number (if known): 171034-INS-RG-RV-3

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Date: 2/19/2024

Your Name: Huilin Guo

Manuscript Title: Prophylactic efficacy of an intranasal spray with two synergetic antibodies neutralizing Omicron

Manuscript Number (if known): 171034-INS-RG-RV-3

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Date: 2/19/2024

Your Name: Huajun Zhang

Manuscript Title: Prophylactic efficacy of an intranasal spray with two synergetic antibodies neutralizing Omicron

Manuscript Number (if known): 171034-INS-RG-RV-3

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ICMJE DISCLOSURE FORM

Date: 2/19/2024

Your Name: Hangtian Guo

Manuscript Title: Prophylactic efficacy of an intranasal spray with two synergetic antibodies neutralizing Omicron

Manuscript Number (if known): 171034-INS-RG-RV-3

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ICMJE DISCLOSURE FORM

Date: 2/19/2024

Your Name: Haitao Yang

Manuscript Title: Prophylactic efficacy of an intranasal spray with two synergetic antibodies neutralizing Omicron

Manuscript Number (if known): 171034-INS-RG-RV-3

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Date: 2/19/2024

Your Name: Guofeng Cheng

Manuscript Title: Prophylactic efficacy of an intranasal spray with two synergetic antibodies neutralizing Omicron

Manuscript Number (if known): 171034-INS-RG-RV-3

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Date: 2/19/2024

Your Name: Feiyang Luo

Manuscript Title: Prophylactic efficacy of an intranasal spray with two synergetic antibodies neutralizing Omicron

Manuscript Number (if known): 171034-INS-RG-RV-3

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ICMJE DISCLOSURE FORM

Date: 2/19/2024

Your Name: Dazhi Zhang

Manuscript Title: Prophylactic efficacy of an intranasal spray with two synergetic antibodies neutralizing Omicron

Manuscript Number (if known): 171034-INS-RG-RV-3

In the interest of transparency, we ask you to disclose all relationships/activities/interests listed below that are related to the content of your manuscript. "Related" means any relation with for-profit or not-for-profit third parties whose interests may be affected by the content of the manuscript. Disclosure represents a commitment to transparency and does not necessarily indicate a bias. If you are in doubt about whether to list a relationship/activity/interest, it is preferable that you do so.

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ICMJE DISCLOSURE FORM

Date: 2/19/2024

Your Name: Cuicui Lin

Manuscript Title: Prophylactic efficacy of an intranasal spray with two synergetic antibodies neutralizing Omicron

Manuscript Number (if known): 171034-INS-RG-RV-3

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ICMJE DISCLOSURE FORM

Date: 2/19/2024

Your Name: Chengyong Yang

Manuscript Title: Prophylactic efficacy of an intranasal spray with two synergetic antibodies neutralizing Omicron

Manuscript Number (if known): 171034-INS-RG-RV-3

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ICMJE DISCLOSURE FORM

Date: 2/19/2024

Your Name: Chao Hu

Manuscript Title: Prophylactic efficacy of an intranasal spray with two synergetic antibodies neutralizing Omicron

Manuscript Number (if known): 171034-INS-RG-RV-3

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ICMJE DISCLOSURE FORM

Date: 2/19/2024

Your Name: Bingxia Lu

Manuscript Title: Prophylactic efficacy of an intranasal spray with two synergetic antibodies neutralizing Omicron

Manuscript Number (if known): 171034-INS-RG-RV-3

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Date: 2/19/2024

Your Name: Aishun Jin

Manuscript Title: Prophylactic efficacy of an intranasal spray with two synergetic antibodies neutralizing Omicron

Manuscript Number (if known): 171034-INS-RG-RV-3

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Reporting checklist for randomised trial.

Based on the CONSORT guidelines.

Instructions to authors

Complete this checklist by entering the page numbers from your manuscript where readers will find each of the items listed below.

Your article may not currently address all the items on the checklist. Please modify your text to include the missing information. If you are certain that an item does not apply, please write "n/a" and provide a short explanation.

Upload your completed checklist as an extra file when you submit to a journal.

In your methods section, say that you used the CONSORT reporting guidelines, and cite them as:

Schulz KF, Altman DG, Moher D, for the CONSORT Group. CONSORT 2010 Statement: updated guidelines for reporting parallel group randomised trials

		Reporting Item	Page Number
Title and Abstract			
Title	#1a	Identification as a randomized trial in the title.	n/a
Abstract	#1b	Structured summary of trial design, methods, results, and conclusions	4-5
Introduction			
Background and objectives	#2a	Scientific background and explanation of rationale	6-7
Background and objectives	#2b	Specific objectives or hypothesis	6-7
Methods			
Trial design	#3a	Description of trial design (such as parallel, factorial) including allocation ratio.	11-12
Trial design	#3b	Important changes to methods after trial commencement (such as eligibility criteria), with reasons	11-12

Participants	#4a	Eligibility criteria for participants	30
Participants	#4b	Settings and locations where the data were collected	27
Interventions	#5	The experimental and control interventions for each group with sufficient details to allow replication, including how and when they were actually administered	27-28
Outcomes	#6a	Completely defined prespecified primary and secondary outcome measures, including how and when they were assessed	12
Sample size	#7a	How sample size was determined.	30
Sample size	#7b	When applicable, explanation of any interim analyses and stopping guidelines	30
Randomization - Sequence generation	#8a	Method used to generate the random allocation sequence.	30
Randomization - Sequence generation	#8b	Type of randomization; details of any restriction (such as blocking and block size)	30
Randomization - Allocation concealment mechanism	#9	Mechanism used to implement the random allocation sequence (such as sequentially numbered containers), describing any steps taken to conceal the sequence until interventions were assigned	30
Randomization - Implementation	#10	Who generated the allocation sequence, who enrolled participants, and who assigned participants to interventions	30
Blinding	#11a	If done, who was blinded after assignment to interventions (for example, participants, care providers, those assessing outcomes) and how.	30
Blinding	#11b	If relevant, description of the similarity of interventions	30
Statistical methods	#12a	Statistical methods used to compare groups for primary and secondary outcomes	28
Statistical methods	#12b	Methods for additional analyses, such as subgroup	28

analyses and adjusted analyses

Outcomes [#6b](#) Any changes to trial outcomes after the trial commenced, with reasons 13

Results

Participant flow diagram (strongly recommended) [#13a](#) For each group, the numbers of participants who were randomly assigned, received intended treatment, and were analysed for the primary outcome 30

Participant flow [#13b](#) For each group, losses and exclusions after randomization, together with reason 30

Recruitment [#14a](#) Dates defining the periods of recruitment and follow-up 30

Recruitment [#14b](#) Why the trial ended or was stopped 30

Baseline data [#15](#) A table showing baseline demographic and clinical characteristics for each group 12

Numbers analysed [#16](#) For each group, number of participants (denominator) included in each analysis and whether the analysis was by original assigned groups 11-13

Outcomes and estimation [#17a](#) For each primary and secondary outcome, results for each group, and the estimated effect size and its precision (such as 95% confidence interval) 11-13

Outcomes and estimation [#17b](#) For binary outcomes, presentation of both absolute and relative effect sizes is recommended 12-13

Ancillary analyses [#18](#) Results of any other analyses performed, including subgroup analyses and adjusted analyses, distinguishing pre-specified from exploratory 13

Harms [#19](#) All important harms or unintended effects in each group (For specific guidance see CONSORT for harms) 12

Discussion

Limitations [#20](#) Trial limitations, addressing sources of potential bias, imprecision, and, if relevant, multiplicity of analyses 17

Interpretation [#22](#) Interpretation consistent with results, balancing benefits and harms, and considering other relevant evidence 15-17

Registration	#23	Registration number and name of trial registry	5
Generalisability	#21	Generalisability (external validity, applicability) of the trial findings	16-17
Other information			
Interpretation	#22	Interpretation consistent with results, balancing benefits and harms, and considering other relevant evidence	15-17
Registration	#23	Registration number and name of trial registry	5
Protocol	#24	Where the full trial protocol can be accessed, if available	30
Funding	#25	Sources of funding and other support (such as supply of drugs), role of funders	5

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