The ARRIVE guidelines 2.0: authorchecklist

The ARRIVE Essential 10

ARRIVE

These items are the basic minimum to include in a manuscript. Without this information, readers and reviewers cannot assess the reliability of the findings.

ltem		Recommendation	Section/line number, or reason for notreporting
Study design	1	For each experiment, provide brief details of study design including:	
		a. The groups being compared, including control groups. If no control group has been used, the rationale should be stated.	Methods/Line136- 137
		b. The experimental unit (e.g. a single animal, litter, or cage of animals).	Methods/Line137
Sample size	2	a. Specify the exact number of experimental units allocated to each group, and the total number in each experiment. Also indicate the total number of animals used.	Methods/Line136- 137
		 Explain how the sample size was decided. Provide details of any <i>a priori</i> sample size calculation, if done. 	Methods/Line137- 138
Inclusion and exclusion criteria	3	a. Describe any criteria used for including and excluding animals (or experimental units) during the experiment, and data points during the analysis. Specify if these criteria were established <i>a priori</i> . If no criteria were set, state this explicitly.	Methods/Line186- 188
		b. For each experimental group, report any animals, experimental units or data points not included in the analysis and explain why. If there were no exclusions, state so.	Figure legend/Line504,511,
		c. For each analysis, report the exact value of <i>n</i> in each experimental group.	521,523,525
Randomisation	4	a. State whether randomisation was used to allocate experimental units to control and treatment groups. If done, provide the method used to generate the randomisation sequence.	Methods/Line137- 138
		b. Describe the strategy used to minimise potential confounders such as the order of treatments and measurements, or animal/cage location. If confounders were not controlled, state this explicitly.	Methods/Line195
Blinding	5	Describe who was aware of the group allocation at the different stages of the experiment (during the allocation, the conduct of the experiment, the outcome assessment, and the data analysis).	Methods/Line138- 139
Outcome measures	6	a. Clearly define all outcome measures assessed (e.g. cell death, molecular markers, or behavioural changes).	Methods/Line178- 185,189-191
		 b. For hypothesis-testing studies, specify the primary outcome measure, i.e. the outcome measure that was used to determine the sample size. 	
Statistical methods	7	a. Provide details of the statistical methods used for each analysis, including software used.	Methods/Line229- 233 Figure
		b. Describe any methods used to assess whether the data met the assumptions of the statistical approach, and what was done if the assumptions were not met.	legend /Line502-531
Experimental animals	8	a. Provide species-appropriate details of the animals used, including species, strain and substrain, sex, age or developmental stage, and, if relevant, weight.	Methods/Line131- 132
		b. Provide further relevant information on the provenance of animals, health/immune status, genetic modification status, genotype, and any previous procedures.	Methods/Line131- 132
Experimental procedures	9	For each experimental group, including controls, describe the procedures in enough detail to allow others to replicate them, including:	Methods/Line148- 174
		a. What was done, how it was done and what was used.	174
		b. When and howoften.	
		c. Where (including detail of any acclimatisation periods).	
		d. Why (provide rationale for procedures).	
Results		For each experiment conducted, including independent replications, report:	Methods/Line230- 232
		a. Summary/descriptive statistics for each experimental group, with a measure of variability where applicable (e.g. mean and SD, or median and range).	
		b. If applicable, the effect size with a confidence interval.	

The Recommended Set

These items complement the Essential 10 and add important context to the study. Reporting the items in both sets represents best practice.

ltem	Recommendation	Section/line number, orreason for not reporting
Abstract	11 Provide an accurate summary of the research objectives, animal species, strain and sex, key methods, principal findings, and study conclusions.	Abstract/Line35-65
Background	IZ a. Include sufficient scientific background to understand the rationale and	Introduction/Line74- 101
		Introduction/Line102- 118
Objectives	יוס - טובמווע עבטנווטב נווב ובטבמוטון עעבטנוטון. ובטבמוטון טטובטנועבט מווע, שוובוב	Introduction/Line119- 125
Ethical statement	14 Provide the name of the ethical review committee or equivalent that has approved the use of animals in this study, and any relevant licence or protocol numbers (if applicable). If ethical approval was not sought or granted, provide a justification.	Methods/Line141-143
Housing and husbandry	15 Provide details of housing and husbandry conditions, including any environmental enrichment.	Methods/Line139-141
Animal care and monitoring	 a. Describe any interventions or steps taken in the experimental protocols to reduce pain, suffering and distress. 	
	 b. Report any expected or unexpected adverse events. c. Describe the humane endpoints established for the study, the signs that were monitored and the frequency of monitoring. If the study did not have humane endpoints, state this. 	Methods/Line171-174
Interpretation/ scientific	1/ a. IIIEIDIELUETESUIS, LANINUIILO ACCOUTLUE SLUUVODECLIVES ATU IIVDULLESES.	Introduction/Line111- 118
implications		Discussion/Line454- 456
Generalisability/ translation	To Comment on whether, and now, the thounds of this study are likely to deheralise	Conclusions/Line459- 464
Protocol registration	19 Provide a statement indicating whether a protocol uncluging the research	Discussion/Line381- 387
Data access		Availability of data/Line472-474
Declaration of interests	 a. Declare any potential conflicts of interest, including financial and non-financial. If none exist, this should be stated. 	Footnote/Line478
		Acknowledgments/ Line467-470

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*As the checklist was provided upon initial submission, the line number reported may be changed due to copyediting and may not be referable in the published version. In this case, the section may be used as an alternative reference.

