

Materials Design Analysis Reporting (MDAR) Checklist for Authors

The MDAR framework establishes a minimum set of requirements in transparent reporting applicable to studies in the life sciences (see Statement of Task: [doi:10.31222/osf.io/9sm4x](https://doi.org/10.31222/osf.io/9sm4x)). The MDAR checklist is a tool for authors, editors and others seeking to adopt the MDAR framework for transparent reporting in manuscripts and other outputs. Please refer to the MDAR Elaboration Document for additional context for the MDAR framework.

Materials

Antibodies	Yes (indicate where provided: section/paragraph)	n/a
For commercial reagents, provide supplier name, catalogue number and RRID, if available.	N. We have no antibodies.	
Cell materials	Yes (indicate where provided: section/paragraph)	n/a
Cell lines: Provide species information, strain. Provide accession number in repository OR supplier name, catalog number, clone number, OR RRID	N. We have no cell materials.	
Primary cultures: Provide species, strain, sex of origin, genetic modification status.	N. We have no cell materials.	
Experimental animals	Yes (indicate where provided: section/paragraph)	n/a
Laboratory animals: Provide species, strain, sex, age, genetic modification status. Provide accession number in repository OR supplier name, catalog number, clone number, OR RRID	N. We have no experimental animals.	
Animal observed in or captured from the field: Provide species, sex and age where possible	N. We have no experimental animals.	
Model organisms: Provide Accession number in repository (where relevant) OR RRID	N. We have no experimental animals.	
Plants and microbes	Yes (indicate where provided: section/paragraph)	n/a
Plants: provide species and strain, unique accession number if available, and source (including location for collected wild specimens)	N. We have no plants.	
Microbes: provide species and strain, unique accession number if available, and source	N. We have no microbes.	
Human research participants	Yes (indicate where provided: section/paragraph)	n/a
Identify authority granting ethics approval (IRB or equivalent committee(s), provide reference number for approval.	Yes, in paragraph "Methods": This study was approved by the ethics committee of International Peace Maternity & Child Health Hospital (GKLW2015-65).	
Provide statement confirming informed consent obtained from study participants.	Yes, in paragraph "Methods": All of the patients in our study provided written and informed consent.	
Report on age and sex for all study participants.	Yes, in paragraph "Results": Demographics	

Design

Study protocol	Yes (indicate where provided: section/paragraph)	n/a
For clinical trials, provide the trial registration number OR cite DOI in manuscript.	Yes, in paragraph "Methods": ChiCTR1900024566.	
Laboratory protocol	Yes (indicate where provided: section/paragraph)	n/a
Provide DOI or other citation details if detailed step-by-step protocols are available.	DOI:10.1590/S1807-59322010000800010	
Experimental study design (statistics details)	Yes (indicate where provided: section/paragraph)	n/a
State whether and how the following have been done, or if they were not carried out.		
Sample size determination	There is no need to determine the sample size in pilot study.	
Randomisation	This is a prospective observational study.	
Blinding	This is a prospective observational study.	
Inclusion/exclusion criteria	Yes, in paragraph "Methods": General information	
Sample definition and in-laboratory replication	Yes (indicate where provided: section/paragraph)	n/a
State number of times the experiment was replicated in laboratory	There is no need laboratory experiment in this study	
Define whether data describe technical or biological replicates	There is no need laboratory experiment in this study	
Ethics	Yes (indicate where provided: section/paragraph)	n/a
Studies involving human participants: State details of authority granting ethics approval (IRB or equivalent committee(s), provide reference number for approval.	Yes, in paragraph "Methods": This study was approved by the ethics committee of International Peace Maternity & Child Health Hospital (GKLW2015-65).	
Studies involving experimental animals: State details of authority granting ethics approval (IRB or equivalent committee(s), provide reference number for approval.	N. Our study does not involve experimental animals.	
Studies involving specimen and field samples: State if relevant permits obtained, provide details of authority approving study; if none were required, explain why.	N. Our study does not involve specimen and field samples.	
Dual Use Research of Concern (DURC)	Yes (indicate where provided: section/paragraph)	n/a
If study is subject to dual use research of concern, state the authority granting approval and reference number for the regulatory approval	N. Our study does not subject to dual use research of concern.	

Analysis

Attrition	Yes (indicate where provided: section/paragraph)	n/a
State if sample or data point from the analysis is excluded, and whether the criteria for exclusion were determined and specified in advance.	N. No data point from the analysis is excluded	
Statistics	Yes (indicate where provided: section/paragraph)	n/a
Describe statistical tests used and justify choice of tests.	In paragraph “Methods” : statistical analysis.	
Data Availability	Yes (indicate where provided: section/paragraph)	n/a
State whether newly created datasets are available, including protocols for access or restriction on access.	N. We have no newly created datasets.	
If data are publicly available, provide accession number in repository or DOI or URL.	N. Our data are not publicly available.	
If publicly available data are reused, provide accession number in repository or DOI or URL, where possible.	N. Our data are not publicly available.	
Code Availability	Yes (indicate where provided: section/paragraph)	n/a
For all newly generated code and software essential for replicating the main findings of the study:		
State whether the code or software is available.	N. We have no code or software	
If code is publicly available, provide accession number in repository, or DOI or URL.	N. We have no code or software	

Reporting

Adherence to community standards	Yes (indicate where provided: section/paragraph)	n/a
MDAR framework recommends adoption of discipline-specific guidelines, established and endorsed through community initiatives. Journals have their own policy about requiring specific guidelines and recommendations to complement MDAR.		
State if relevant guidelines (eg., ICMJE, MIBBI, ARRIVE) have been followed, and whether a checklist (eg., CONSORT, PRISMA, ARRIVE) is provided with the manuscript.	ICMJE guidelines were followed, as the journal follows ICMJE recommendations for publication.	

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