DRAFT | June 2019

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.). 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.		No antibodies were used in this study.

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		No cells were used in this study.
Primary cultures: Provide species, strain, sex of origin, genetic modification status.		No cells were used in this study.

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		No animals were used in this study.
Animal observed in or captured from the field: Provide species, sex and age where possible		No animals were used in this study.
Model organisms: Provide Accession number in repository (where relevant) **OR** RRID		No animals were used in this study.

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)		No **plants** were used in this study.
Microbes: provide species and strain, unique accession number if available, and source		No **microbes** were used in this study.

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.		This study is not a human or animal experiment and does not involve ethics.
Provide statement confirming informed consent obtained from study participants.		This study is not a human or animal experiment and does not involve ethics.
Report on age and sex for all study participants.		This study is not a human or animal experiment and does not involve ethics.

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Design

Study protocol	Yes (indicate where provided: section/paragraph)	n/a
For clinical trials, provide the trial registration number **OR** cite DOI in manuscript.		This work is not a clinical trials.

Laboratory protocol	Yes (indicate where provided: section/paragraph)	n/a
Provide DOI or other citation details if detailed step-by-step protocols are available.		There is no detailed step-by-step protocols.

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.		This work does not involved clinical trials or other drug trials.
Sample size determination		
Randomisation		
Blinding		
Inclusion/exclusion criteria		

Sample definition and in-laboratory replication	Yes (indicate where provided: section/paragraph)	n/a
State number of times the experiment was replicated in laboratory	Page7,line207,table2.	
Define whether data describe technical or biological replicates	A total of 3 independent series of HXZQOL samples were analyzed, and samples from each series were measured 3 times. Page7,line207,table2.	

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.		This study is not a human or animal experiment and does not involve ethics.
Studies involving experimental animals: State details of authority granting ethics approval (IRB or equivalent committee(s), provide reference number for approval.		This study is not a human or animal experiment and does not involve ethics.
Studies involving specimen and field samples: State if relevant permits obtained, provide details of authority approving study; if none were required, explain why.		The Huoxiangzhengqi oral liquid used in this work is Over-the-counter drugs , which can be purchased in pharmacies without approval.

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		This study is 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.		No data from the analysis was excluded.

Statistics	Yes (indicate where provided: section/paragraph)	n/a
Describe statistical tests used and justify choice of tests.		None statistical methods was used in this work.

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.		All the data were available in the manuscript.
If data are publicly available, provide accession number in repository or DOI or URL.		All the data were available in the manuscript.
If publicly available data are reused, provide accession number in repository or DOI or URL, where possible.		All the data were available in the manuscript.

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:		There is no newly generated code or software.
State whether the code or software is available.		
If code is publicly available, provide accession number in repository, or DOI or URL.		

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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