<u>Materials Design Analysis Reporting (MDAR)</u> 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.

consent obtained from study participants. Report on age and sex for all study

Materials

Antibodies	Yes (indicate where provided: section/paragraph)	n/a
For commercial reagents, provide		n/a
supplier name, catalogue number and		No commercial
RRID, if available.		reagents
Cell materials	Yes (indicate where provided: section/paragraph)	n/a
Cell lines: Provide species information,	The (managed the production of the production)	n/a
strain. Provide accession number in		No cell lines included
repository OR supplier name, catalog		in the study
number, clone number, OR RRID		,
Primary cultures: Provide species,		n/a
strain, sex of origin, genetic		No cell lines included
modification status.		in the study
mounication status.		are stady
Experimental animals	Yes (indicate where provided: section/paragraph)	n/a
Laboratory animals: Provide species, strain,		n/a
sex, age, genetic modification status. Provide		No animals included
accession number in repository OR supplier		in the study
name, catalog number, clone number, OR		
Animal observed in or captured from		n/a
the field: Provide species, sex and age		No animals included
where possible		in the study
Model organisms: Provide Accession		n/a
number in repository (where relevant)		No animals included
OR RRID		in the study
Plants and microbes	Yes (indicate where provided: section/paragraph)	n/a
Plants: provide species and strain, unique		n/a
accession number if available, and source		No plants included in
(including location for collected wild		the study
Microbes: provide species and strain,		n/a
unique accession number if available,		No microbes included
and source		in the study
Human research participants	Yes (indicate where provided: section/paragraph)	n/a
Identify authority granting ethics approval	Ethics approval and consent to participate/Para1	
(IRB or equivalent committee(s), provide		
reference number for approval.		
Provide statement confirming informed	Materials and methods/Para1	

Materials and methods/Para1

Design

Study protocol	Yes (indicate where provided: section/paragraph)	n/a
For clinical trials, provide the trial registration		n/a
number OR cite DOI in manuscript.		No clinical trials
Laboratoria		,
Laboratory protocol	Yes (indicate where provided: section/paragraph)	n/a
Provide DOI or other citation details if	www.RayBiotech.com	
detailed step-by-step protocols are available.		
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	Materials and methods/Para1	
Randomisation		n/a
		Grouping is
		determined by
		diseases
Blinding		n/a
		Grouping is
		determined by
		diseases
Inclusion/exclusion criteria	Materials and methods/Para1	
metasion/exetasion enterta	iviateriais and methods/Fara1	
Sample definition and in-laboratory	Yes (indicate where provided: section/paragraph)	n/a
replication		
State number of times the experiment was	Materials and methods/Para4	
replicated in laboratory		
Define whether data describe technical or	Materials and methods/Para4	
biological replicates		
Ethics	Yes (indicate where provided: section/paragraph)	n/a
Studies involving human participants: State	Ethics approval and consent to participate/Para1	, u
details of authority granting ethics approval	zamos approvar and consent to participate, raidz	
(IRB or equivalent committee(s), provide		
reference number for approval.		
Studies involving experimental animals: State		n/a
details of authority granting ethics approval		No animals
(IRB or equivalent committee(s), provide		included in the
reference number for approval.		study
Studies involving specimen and field	Ethics approval and consent to participate/Para1	
samples: State if relevant permits obtained,		
provide details of authority approving study;		
if none were required, explain why.		
Duel Hee Decearch of Comment (DUDG)	Ver Certification of the Control of	
Dual Use Research of Concern (DURC) If study is subject to dual use research of	Yes (indicate where provided: section/paragraph)	n/a
concern, state the authority granting		n/a
approval and reference number for the		No dual use
approval and reference fluitiber for the		research

<u>Analysis</u>

Attrition	Yes (indicate where provided: section/paragraph)	n/a
State if sample or data point from the	Materials and methods/Para5	
analysis is excluded, and whether the criteria		
for exclusion were determined and specified		
in advance.		

Statistics	Yes (indicate where provided: section/paragraph)	n/a
Describe statistical tests used and justify	Materials and methods/Para5	
choice of tests.		

Data Availability	Yes (indicate where provided: section/paragraph)	n/a
State whether newly created datasets are		n/a
available, including protocols for access or		No data are
restriction on access.		publicly available
If data are publicly available, provide		n/a
accession number in repository or DOI or		No data are
URL.		publicly available
If publicly available data are reused, provide		n/a
accession number in repository or DOI or		No publicly
URL, where possible.		available data are
		reused

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/a No newly generated code and software
If code is publicly available, provide accession number in repository, or DOI or URL.		n/a No newly generated code and 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,	Competing interests/Para1	
MIBBI, ARRIVE) have been followed, and	ICMJE guidelines were followed, as the journal	
whether a checklist (eg., CONSORT, PRISMA,	follows ICMJE recommendations for publication.	
ARRIVE) is provided with the manuscript.	·	

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