<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.

Materials

Antibodies	Yes (indicate where provided: section/paragraph)	n/a
For commercial reagents, provide supplier	(manage miles promocarosanon, paragraph,	Not used
name, catalogue number and RRID, if available.		
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Cell materials	Yes (indicate where provided: section/paragraph)	n/a
Cell lines: Provide species information, strain.		Not used
Provide accession number in repository OR		in our
supplier name, catalog number, clone number,		study
OR RRID		
Primary cultures: Provide species, strain, sex of		Not used
origin, genetic modification status.		
Experimental animals	Yes (indicate where provided: section/paragraph)	n/a
Laboratory animals: Provide species, strain, sex, age,	res (maieure where provided, section, paragraph)	Not used
genetic modification status. Provide accession		in our
number in repository OR supplier name, catalog		study
number, clone number, OR RRID		5144,
Animal observed in or captured from the		Not used
field: Provide species, sex and age where		
possible		
Model organisms: Provide Accession number		Not used
in repository (where relevant) OR RRID		
Plants and microbes	Yes (indicate where provided: section/paragraph)	n/a
Plants: provide species and strain, unique accession		Not used
number if available, and source (including location		
for collected wild specimens)		
Microbes: provide species and strain, unique		Not used
accession number if available, and source		
Homeon receipts weathing the	Voc /indicate where provided costion/paragraph)	n/a
Human research participants Identify authority granting ethics approval (IRB or	Yes (indicate where provided: section/paragraph)	n/a Data from
equivalent committee(s), provide reference number		public
for approval.		database
		Public
Provide statement confirming informed consent		
obtained from study participants.	Dana 15 Aphla 1	data
Report on age and sex for all study participants.	Page 15, table 1	

Design

Study protocol	Yes (indicate where provided: section/paragraph)	n/a
For clinical trials, provide the trial registration	, , , , , , , , , , , , , , , , , , , ,	Respectiv
number OR cite DOI in manuscript.		e study
· · · · · · · · · · · · · · · · · · ·		,
Laboratory protocol	Yes (indicate where provided: section/paragraph)	n/a
Provide DOI or other citation details if detailed step-		not used
by-step protocols are available.		
Function and all study design (statistics details)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	,
Experimental study design (statistics details) State whether and how the following have been	Yes (indicate where provided: section/paragraph)	n/a
done, or if they were not carried out.		Martine
Sample size determination Randomisation		Not used
Blinding		Not used
Inclusion/exclusion criteria		Not used
inclusion/exclusion criteria		Not used
Sample definition and in-laboratory replication	Yes (indicate where provided: section/paragraph)	n/a
State number of times the experiment was	, , , , , , , , , , , , , , , , , , , ,	Not used
replicated in laboratory		
Define whether data describe technical or biological		Not used
replicates		
Ethics	Yes (indicate where provided: section/paragraph)	n/a
Studies involving human participants: State details of		Data from
authority granting ethics approval (IRB or equivalent		public
committee(s), provide reference number for		database
approval.		
Studies involving experimental animals: State details		Not used
of authority granting ethics approval (IRB or		
equivalent committee(s), provide reference number		
for approval.		
Studies involving specimen and field samples: State if		Data from
relevant permits obtained, provide details of		public
authority approving study; if none were required,		database
explain why.		
- 1 1.60 (5o)	Yes (indicate where provided: section/paragraph)	n/a
Dual Use Research of Concern (DURC)		, u
Dual Use Research of Concern (DURC) If study is subject to dual use research of concern.	res (maicate where provided, section, paragraph)	Not used
If study is subject to dual use research of concern,	res (maleate where provided, section, paragraph)	Not used
	res (maleate where provided, section, paragraph)	Not used

<u>Analysis</u>

Attrition	Yes (indicate where provided: section/paragraph)	n/a
State if sample or data point from the analysis is		Not used
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 choice of	Page 4, line 14-15, 18, page 5, line 10, materials	
tests.	and methods	

Data Availability	Yes (indicate where provided: section/paragraph)	n/a
State whether newly created datasets are available,		No newly
including protocols for access or restriction on		created
access.		datasets
If data are publicly available, provide accession	Page 4, line 10, materials and methods	
number in repository or DOI or URL.		
If publicly available data are reused, provide		Not used
accession number in repository or DOI or URL, where		
possible.		

Code Availability	Yes (indicate where provided: section/paragraph)	n/a
For all newly generated code and software essential		No new
for replicating the main findings of the study:		code
State whether the code or software is available.	Page 4, line 12-14,16,17-19,page 5, line 2, 5-6,9-10	
If code is publicly available, provide accession	Page 4, line 12-14,16,17-19,page 5, line 2, 5-6,9-10,	
number in repository, or DOI or URL.	materials and methods	

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,	ICMJE guidelines were followed, as the journal follows	
ARRIVE) have been followed, and whether a checklist	ICMJE recommendations for publication	
(eg., CONSORT, PRISMA, ARRIVE) is provided with		
the manuscript.		

Article information: http://dx.doi.org/10.21037/tcr-20-2288