| Topic | Checklist Item Description | Line/Page |
|---|---|---|
| Title | 1. Are there any uncommon abbreviations? (abbreviations may be used, but 1) must be the main subject of the study; 2) must be given in full in the abstract) | |
| | 2. Is there any specific vocabulary that needs to be displayed for particular article types (e.g. case report, meta-analysis, etc.) | |
| Affiliations | 1. Do all the affiliations are precise to the faculty, college, or department? | |
| | 2. Do all the affiliations clearly correspond to the respective authors? | |
| | 3. Are there more than two first authors or/and corresponding authors? (not allowed) | |
| Abstract | 1. Structured (research article, case report, meta-analysis, systematic review) or unstructured (review, short-commentary)? | |
| | 2. Does the content displayed is complete? * | |
| Keywords | 1. Is the number of keywords appropriate? (better to be 3~6) | |
| | 2. Are there uncommon abbreviations? (Please show their full names) | |
| | 3. Do special article types contain required keywords? (e.g. case report) | |
| Methods Figures & | 1. Do instruments, kits, and reagents provide sufficient product information? ** | |
| | 2. Does the database provide link(s)? | |
| | 3. Does software and packages used are provided with versions? | |
| | 4. Do the ethical statements and approval numbers are provided in sections involving experiments on animals or humans? Whether they contradict the declaration section at the end of the manuscript? | |
| | 5. Is there a separate section on statistical analysis? | |
| Tables | 1. Are all of them mentioned in numerical order throughout the text? | |
| | 2. Are figures and tables numbered consecutively according to the order in which they have been cited in the text? | |
| | 3. Is there a short descriptive title and a legend provided, to make each Figure self-explanatory? | |
| | 4. Do all the photomicrographs have internal scale markers? | |
| | 5. Do all the symbols, arrows, numbers, or letters used to identify parts of the illustrations, identify and explain each one clearly in the legend? | |
| | 6. Are figures and tables well-constructed and of sufficiently high resolution (i.e., not blurry)? | |
| | 7. Are letters, numbers, and symbols on figures clear and consistent throughout, and large enough to remain legible when the figure is reduced for publication? | |
| Declarations | 1. Does it contain all the required declarations? *** | |
| | 2. (If there is an ethics statement), does the content conflict with the methods section? | |
| References | 1. Do all the references are in the correct format (Vancouver style) and cited sequentially in the text? | |
| | 2. When the authors are referred to as "xxx et al." in the text, whether "xxx" correspond to the last name of the first author in the corresponding citation? | |
| | 3. Is there any missing information such as no page number or article number? | |
| | 4. Do different citation formats are used for different publication types? (e.g. journal, book with edition, electronic publications, etc.) | |
| | 5. Is(Are) there any retracted article(s) cited? (not allowed) | |
| | 6. Are there duplicate literature citations? (not allowed) | |
| | 7. Is there a high percentage of self-cited literature? (<10% for research articles, <20% for review articles) | |

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|---|---|---|
| | 8. Do all the citations in non-English, preprints, etc. are marked up or not? (e.g. [Article in Chinese], [Pre-print Article]) | |
| | 9. Is the number of references appropriate? (better to be >30 for research articles, >70 for review articles) | |
| | 10. Are the citations of literature published in the last 5 years appropriate? (better to be >50%) | |

Note:

\* The abstract should provide the context or background for the study and should state the study's purpose, basic procedures (selection of study participants, settings, measurements, analytical methods), main findings (giving specific effect sizes and their statistical and clinical significance, if possible), and principal conclusions.

\*\* Product information includes:

1) model/catalog number, manufacturer's name and address;
2) antibodies: also report source, characteristics, dilutions and how they were validated;
3) cell lines: also report source, authentication and mycoplasma contamination status;
4) animals: also report source, species, strain, sex, age, husbandry, inbred and strain characteristics of transgenic animals.

\*\*\* All the required declarations: Acknowledgement; Funding Statement; Author Contributions; Availability of Data and Materials; Ethics Approval; Conflicts of Interest; Informed Consent.