

BERENIS assessment criteria for epidemiological studies, experimental animal and cell studies,
human experimental studies and dosimetry studies

| Topic | Criteria |
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| Exposure/Dosimetry | Defined / clearly described exposure conditions? Consideration of potential side effects? Dosimetry performed? Dose/time dependence tested? Sufficient information for independent replication? Validation of dosimetry/exposure assessment? Random errors at exposure assessment? Systematic errors at exposure assessment? Relevant differences in exposure? |
| Selection of study participants (epidemiological & human experimental studies) | Selection criteria clearly defined? Selection bias? Sample size sufficient? |
| Model system (experimental animal and cell studies) | Relevant cell/animal system? Complex system? |
| Endpoints (epidemiological & human experimental studies) | Defined? Diagnosed? Operationalised? Random errors? Systematic errors? |
| Study design/Methods | Appropriate study design? Randomised? Blinding? Adequate controls? Important confounders considered? Confounding minimised? Innovative/exploratory approach? Question-based approach Critical thematic discussion? |
| Statistics | Adequate statistical methods used? Data cleaning, handling of missing data & artefacts ok? Sensitivity and uncertainties evaluated? |
| Presentation/Reporting | Comprehensible? Complete? |
| Link to overall context | Consistency discussed? Health relevance discussed? |
| Journal | Peer-reviewed? Quality of journal / Impact factor? |