

Reference:**Article Review Tool****Introduction**

	Item	Y	N	NA	Notes
1	Is the problem clearly stated?				
2	Is the literature adequately reviewed?				
3	Is the purpose clearly stated?				
4	Is the expectation or hypothesis(es) clearly stated?				
5	What is the target population?				
6	What type is the study?				

Methods

	General Item	Y	N	NA	Notes
1	What is the specific study design?				
2	Are there clear definitions of terms used?				
	Participants Item	Y	N	NA	Notes
1	Is the population from which the sample is drawn clearly defined?				
2	How was the sample selected?				
3	Are inclusion and exclusion criteria specified and applicable?				
4	Do inclusion and exclusion criteria match the goals of the study?				
5	How many subjects were included?				
6	Was evidence presented to justify sample size to avoid Alpha and Beta errors?				
7	Was a control or comparison group used?				
8	How was it formed?				
9	Was prognostic stratification used?				
0	Had ethical consent been obtained?				
	Interventions Item	Y	N	NA	Notes
1	Is the population from which the sample is drawn clearly defined?				
2	Was the intervention clearly defined?				
3	Was the potency of main and comparison maneuvers appropriate and similar in the 2 groups?				
4	Was compliance with the interventions recorded?				
5	Were contamination and co interventions considered and dealt with?				
	Outcomes and their assessment Item	Y	N	NA	Notes
1	Was the instrumentation used to collect data described adequately?				
2	Were appropriate outcomes chosen?				
3	Were all relevant outcomes reported?				
4	Were outcomes prioritized?				
5	Were measurement properties known and taken into consideration?				
6	Were data collection procedures clearly defined?				
7	Was the duration and completion of follow-up appropriate and similar in both groups?				

	Analyses Item	Y	N	NA	Notes
1	Are data worthy of statistical analysis?				
2	Was analysis appropriate to question asked?				
3	Was analysis appropriate to data collected?				
4	Was analysis well described?				
5	Was analysis performed correctly and interpreted correctly?				
6	How many tests of hypotheses appear?				
7	Is there sufficient analysis to determine if “significant differences” may be due to lack of comparability in groups in sex or age distribution, in clinical characteristics or in other relevant variables?				
8	Were withdrawals, dropouts, crossovers and poor complies analyzed in accordance with the aims of the study?				

Results

	Item	Y	N	NA	Notes
1	Are findings presented clearly, objectively and in sufficient detail that reader can judge them?				
2	Are findings internally consistent? Do the numbers add up? Do different tables reconcile?				
3	Is baseline comparability of groups documented?				
4	Do authors account for every patient who is eligible but does not enter?				
5	Do authors account for every patient who enters but who is not in final count?				
6	Are results clinically significant or important?				

Discussion

	Item	Y	N	NA	Notes
1	Did authors clarify if hypotheses were accepted or rejected or if results were as expected?				
2	Do they relate findings to previous studies?				
3	Do they identify problems in design or content of the study?				
4	Are findings applicable to clinical practice?				
5	Are suggestions for other studies presented?				
6	Were the patients sufficiently representative that results can be generalized to other patients?				
7	Was the intervention as performed sufficiently representative that results can be generalized?				

Conclusions

	Item	Y	N	NA	Notes
1	Are results restated briefly?				
2	Are conclusions justified by findings?				
3	Are conclusions relevant to original question?				
4	Can conclusions be generalized to target population?				