

Appendix 3 (as supplied by the authors): Tool used to assess risk of bias*

Bias	Yes	No	Unclear
Sequence generation	<ul style="list-style-type: none"> Referring to a random number table Using a computer random number generator Coin tossing Shuffling cards or envelopes Throwing dice Drawing of lots 	<ul style="list-style-type: none"> Sequence generated by date of birth Sequence generated by date of admission Sequence generated by hospital number Allocation by judgement of the clinician Allocation by preference of the participant Allocation based on the results of a laboratory test or a series of tests Allocation by availability of treatment 	<ul style="list-style-type: none"> Insufficient information about the sequence generation process to permit judgement of 'Yes' or 'No'
Allocation concealment	<ul style="list-style-type: none"> Central allocation (including telephone, web-based, and pharmacy-controlled, randomization) Sequentially numbered drug containers of identical appearance; Sequentially numbered, opaque, sealed envelopes 	<ul style="list-style-type: none"> Using an open random allocation schedule; Assignment envelopes were used without appropriate safeguards (e.g. if envelopes were unsealed or nonopaque or not sequentially numbered); Alternation or rotation; Date of birth; Case record number; Any other unconcealed procedure. 	<ul style="list-style-type: none"> Insufficient information to permit judgement of 'Yes' or 'No'. This is usually the case if the method of concealment is not described or not described in sufficient detail to allow a definite judgement – for example if the use of assignment envelopes is described, but it remains unclear whether envelopes were sequentially numbered, opaque and sealed.
Blinding of assessors, patients	<ul style="list-style-type: none"> No blinding, but the review authors judge that the outcome and the outcome measurement are not likely to be influenced by lack of blinding; Blinding of participants and key study personnel ensured, and unlikely that the blinding could have been broken; Either participants or some key study personnel were not blinded, but outcome assessment was blinded and the non-blinding of others unlikely to introduce bias. 	<ul style="list-style-type: none"> No blinding or incomplete blinding, and the outcome or outcome measurement is likely to be influenced by lack of blinding; Blinding of key study participants and personnel attempted, but likely that the blinding could have been broken; Either participants or some key study personnel were not blinded, and the non-blinding of others likely to introduce bias. 	<ul style="list-style-type: none"> Insufficient information to permit judgement of 'Yes' or 'No'; The study did not address this outcome.
Incomplete outcome data addressed	<ul style="list-style-type: none"> No missing outcome data; Reasons for missing outcome data unlikely to be related to true outcome; Missing outcome data balanced in numbers across intervention groups, with similar reasons for missing data across groups; Missing data have been imputed using appropriate methods. 	<ul style="list-style-type: none"> Reason for missing outcome data likely to be related to true outcome, with either imbalance in numbers or reasons for missing data across intervention groups; Potentially inappropriate application of simple imputation. 	<ul style="list-style-type: none"> Insufficient reporting of attrition/exclusions to permit judgement of 'Yes' or 'No' (e.g. number randomized not stated, no reasons for missing data provided); The study did not address this outcome.
Free of selective reporting?	<ul style="list-style-type: none"> The study protocol is available and all of the study's pre-specified (primary and secondary) outcomes that are of interest in the review have been reported in the pre-specified way; The study protocol is not available but it is clear that the published reports include all expected outcomes, including those that were pre-specified (convincing text of this nature may be uncommon). 	<ul style="list-style-type: none"> Not all of the study's pre-specified primary outcomes have been reported; One or more reported primary outcomes were not pre-specified (unless clear justification for their reporting is provided, such as an unexpected adverse effect); 	<ul style="list-style-type: none"> Insufficient information to permit judgement of 'Yes' or 'No'. It is likely that the majority of studies will fall into this category.
Free of other bias?	<ul style="list-style-type: none"> The study appears to be free of other sources of bias. 	<ul style="list-style-type: none"> Had a potential source of bias related to the specific study design used; or Stopped early due to some data-dependent process Had extreme baseline imbalance; or Has been claimed to have been fraudulent 	<ul style="list-style-type: none"> Insufficient information to assess whether an important risk of bias exists; or Insufficient rationale or evidence that an identified problem will introduce bias.
<p>*A judgment of 'Yes' indicates a low risk of bias, and a judgment of 'No' indicates a high risk of bias. Overall bias was rated as None, Minimal, Low, Moderate, High or Can't tell. Source: Higgins PT, Green S, editors. <i>Cochrane handbook for systematic reviews of interventions</i>. The Cochrane Collaboration; 2008. Available: www.cochrane-handbook.org (accessed 2008 Jan. 3).</p>			