Table C-7. Risk of bias of air purification randomized controlled trials

| Study | Sequence Generation | Allocation Concealment | Blinding Participants and Personnel | Blinding Outcome Assessors | Incomplete Outcome Data | Selective Outcome Reporting | Other Sources of Bias | Overall Risk of Bias | Comments |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Pedroletti et al. 20098 | Unclear | Unclear | Low | Low | High | Low | High | High | Insufficient description of randomization; placebo used; 22% attrition; study funded by device manufacturer |
| Wright et al. 20099 | Low | Low | Low | Low | Low | Low | Low | Low | Placebo used; 15% attrition and intent-to-treat analysis |
| Sulser et al. 200810 | Unclear | Unclear | Low | Low | Low | Unclear | Low | Unclear | Insufficient description of randomization; placebo used; 12% attrition; data not shown or presented only in graph form |
| Francis et al. 200311 | Unclear | Unclear | High | Low | Low | Low | Low | Medium | Insufficient description of randomization; patients not blinded; all patients completed followup |
| van der Heide et al. 199912 | Low | Low | Low | Low | Low | High | High | High | Placebo used; all patients completed study; data not shown or presented only in graph form; study funded by device manufacturer |
| van der Heide et al. 199713 | Low | Unclear | Low | Low | Low | Low | High | Medium | Allocation not described; placebo used; all patients completed followup; study funded by device manufacturer |
| Warner et al. 199314 | Unclear | Unclear | Low | Low | Low | Low | Low | Low | Insufficient description of randomization; placebo used; all patients completed followup |
| Mitchell et al. 198015 | Unclear | Unclear | High | High | Low | High | Low | High | Insufficient description of randomization; no blinding; all participants completed followup; minimal reporting of data |
| Zwemer et al. 197316 | Unclear | Unclear | Unclear | Low | High | Low | Low | Medium | Insufficient description of randomization; patients were blinded but blinding broken in some cases |