**Table 5b. Study quality data for articles included in KQ2 and KQ3**

**Reporting**

| **Author, year** | **Main hypothesis/ objective****described** | **Main outcome****described** | **Patient characteristics****described** | **Interventions of interest described** | **Principal confounders described** | **Main findings described** | **Random variability estimate** | **Loss to follow up described** | **Actual probability values** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Acharji, 20123 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes |
| Chew, 200821 | Yes | Yes | Yes | No | Yes | Yes | No | No | Yes |
| Kontos, 200875 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No |
| Melloni, 200887 | Yes | Yes | Yes | Yes | Yes | Yes | No | No | No |
| Apple, 20079 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes |
| Flores, 200637 | Yes | Yes | Yes | Yes | No | Yes | No | Yes | No |
| Bueti, 200620 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Kontos, 200573 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes |
| Kontos, 200574 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes |
| Han, 200545 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No |
| Aviles, 200212 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Gruberg, 200242 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Wayand, 2000123 | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes |
| Van Lente, 1999117 | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | Yes |

Abbreviation: KQ=key question

**Internal Validity -Bias**

| **Author, year** | **Blinding those measuring outcomes** | **Data dredging** | **Main outcome measures accurate** | **Intervention groups from same population** | **Intervention groups recruited same time** | **Adequate adjustment for confounding in analyses** | **Losses to followup taken into account** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Acharji, 20123 | Not feasible | Yes | Yes | Yes | Yes | Yes | Yes |
| Chew, 200821 | Not feasible | Yes | Yes | Yes | Yes | No | Yes |
| Kontos, 200875 | No | Yes | Yes | Yes | Yes | No | Yes |
| Melloni, 200887 | No | Yes | Yes | Yes | Yes | Yes | Yes |
| Apple, 20079 | No | Yes | Yes | Yes | Yes | No | Yes |
| Flores, 200637 | Not feasible | Yes | Yes | Yes | Yes | No | Yes |
| Bueti, 200620 | No | Yes | Yes | Yes | Yes | Yes | Yes |
| Kontos, 200573 | Not feasible | Yes | Yes | Yes | Yes | Yes | Yes |
| Kontos, 200574 | No | Yes | Yes | Yes | Yes | No | Yes |
| Han, 200545 | Not feasible | Yes | Yes | Yes | Yes | Yes | Yes |
| Aviles, 200212 | Yes | Yes | Yes | Yes | Yes | No | Yes |
| Gruberg, 200242 | No | No | Yes | Yes | Yes | No | Yes |
| Wayand, 2000123 | Yes | Yes | Yes | Yes | Yes | No | Yes |
| Van Lente, 1999117 | Yes | Yes | Yes | Yes | Yes | Yes | Yes |

**External validity - Power**

| **Author, year** | **Population asked representative** | **Population prepared participate representative** | **Staff places facilities representative** | **Power calculation reported** | **Industry support** | **Overall quality** |
| --- | --- | --- | --- | --- | --- | --- |
| Acharji, 20123 | Yes | Yes | Unable to determine | Yes (in original RCT) | Yes | Good |
| Chew, 200821 | Unable to determine | Unable to determine | Unable to determine | No | NR | Poor |
| Kontos, 200875 | Yes | Unable to determine | Unable to determine | No | NR | Good |
| Melloni, 200887 | Yes | Yes | Yes | No | Yes | Good |
| Apple, 20079 | Yes | Yes | Unable to determine | No | Yes | Fair |
| Flores, 200637 | Unable to determine | Unable to determine | Unable to determine | No | NR | Poor |
| Bueti, 200620 | Yes | Yes | Yes | No | No | Good |
| Kontos, 200573 | Yes | Yes | Yes | No | NR | Fair |
| Kontos, 200574 | Yes | Unable to dtermine | Yes | No | NR | Good |
| Han, 200545 | Yes | Yes | Unable to determine | No | NR | Fair |
| Aviles, 200212 | Yes | Yes | Yes | No | Yes | Good |
| Gruberg, 200242 | Yes | Yes | Yes | No | NR | Good |
| Wayand, 2000123 | Unable to determine | Unable to determine | Yes | No | NR | Fair |
| Van Lente, 1999117 | Yes | Yes | Yes | No | Yes | Good |