**Table 5a. Study quality data for articles included in KQ1**

**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** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Alcalai, 20074 | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes |
| Alcalai, 20074 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Apple,19996 | Yes | Yes | Yes | Yes | No | Yes | Yes | No | No |
| Apple,19996 | Yes | Yes | Yes | Yes | No | Yes | Yes | No | No |
| Bhagavan, 199816 | Yes | Yes | No | Yes | No | Yes | Yes | No | No |
| Bhagavan, 199816 | Yes | Yes | No | Yes | No | Yes | No | No | No |
| Chenevier-Gobeaux, 2013127 | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes |
| Chenevier-Gobeaux, 2013127 | Yes | Yes | Yes | Yes | No | Yes | Yes | No | Yes |
| Fehr, 200334 | Yes | No | No | Yes | No | Yes | Yes | No | Yes |
| Fehr, 200334 | Yes | No | No | Yes | No | Yes | No | No | No |
| Flores, 200637 | Yes | No | Yes | Yes | No | Yes | No | Yes | No |
| Flores, 200637 | Yes | Yes | Yes | Yes | No | Yes | No | Yes | No |
| Flores-Solis, 201238 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No |
| Flores-Solis, 201238 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No |
| Haaf, 201343 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Haaf, 201343 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Ikeda, 200262 | Yes | Yes | No | Yes | No | Yes | No | No | No |
| Ikeda, 200262 | Yes | Yes | No | Yes | No | Yes | No | No | No |
| Martin, 199883 | Yes | Yes | Yes | Yes | No | Yes | Yes | No | No |
| Martin, 199883 | Yes | Yes | Yes | Yes | No | Yes | Yes | No | No |
| McCullough, 200284 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| McCullough, 200284 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Noeller, 200391 | Yes | Yes | Yes | Yes | No | Yes | No | Yes | Yes |
| Noeller, 200391 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Roppolo, 1999102 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No |
| Roppolo, 1999102 | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | No |
| Sukonthasarn, 2007113 | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes |
| Sukonthasarn, 2007113 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes |
| Troyanov, 2005116 | Yes | Yes | Yes | Yes | No | Yes | Yes | No | Yes |
| Troyanov, 2005116 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes |

Abbreviation: KQ=key question

**Internal Validity -Bias**

| **Author, year** | **Blinding those measuring outcomes** | **Data dredging** | **Adjust for different followup** | **Appropriate statistical tests used** | **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** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Alcalai, 20074 | Unable to determine | Yes | Yes | Yes | Yes | Yes | Yes | Yes some | Yes |
| Alcalai, 20074 | Unable to determine | Yes | Yes | Yes | Yes | Yes | Yes | Unable to determine | Yes |
| Apple, 19996 | Yes | Yes | Unable to determine | Yes | Yes | No | Yes | Yes  | Unable to determine |
| Apple, 19996 | Unable to determine | Yes | Unable to determine | Yes | Yes | No | Yes | Yes  | Unable to determine |
| Bhagavan, 199816 | No | Yes | Unable to determine | Yes | Yes | Unable to determine | Unable to determine | No | Unable to determine |
| Bhagavan, 199816 | Unable to determine | Yes | Unable to determine | Yes | Yes | Unable to determine | Unable to determine | Unable to determine | Unable to determine |
| Chenevier-Gobeaux, 2013127 | Yes | Yes | No | Yes | Yes | Yes | Unable to determine | Yes some | Yes |
| Chenevier-Gobeaux, 2013127 | Yes | Yes | NA | Yes | Yes | Yes | Yes | NA | NA |
| Fehr, 200334 | Not feasible | Yes | Unable to determine | Yes | Unable to determine | Unable to determine | Unable to determine | No | No |
| Fehr, 200334 | Unable to determine | Yes | Unable to determine | Yes | Yes | Unable to determine | Unable to determine | Unable to determine | Unable to determine |
| Flores, 200637 | Unable to determine | Unable to determine | NA | Yes | Yes | Yes | Yes | Unable to determine | NA |
| Flores, 200637 | Not feasible | Yes | NA | Yes | Yes | Yes | Yes | No | Yes |
| Flores-Solis, 201238 | Not feasible | Yes | NA | Yes | Yes | Yes | Yes | NA | NA |
| Flores-Solis, 201238 | Unable to determine | Yes | Unable to determine | Yes | Yes | Yes | Yes | Yes  | Yes |
| Haaf, 201343 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | NA | Yes |
| Haaf, 201343 | Yes | Yes | No | Yes | Yes | Yes | Yes | No | Yes |
| Ikeda, 200262 | Unable to determine | No | NA | Yes | Yes | Yes | Yes | No | NA |
| Ikeda, 200262 | Unable to determine | No | NA | Yes | Yes | Yes | Yes | No | NA |
| Martin, 199883 | Yes | Unable to determine | Yes | Yes | Yes | Yes | Yes | NA | Yes |
| Martin, 199883 | Unable to determine | Yes | Unable to determine | Yes | Yes | Yes | Yes | NA | Yes |
| McCullough, 200284 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes some | Yes |
| McCullough, 200284 | Yes | Yes | Unable to determine | Yes | Yes | Yes | Yes | Yes | Yes |
| Noeller, 200391 | Unable to determine | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes |
| Noeller, 200391 | Yes | Yes | Unable to determine | Yes | Yes | Yes | Unable to determine | Yes some | Yes |
| Roppolo, 1999102 | No | Yes | NA | Yes | Yes | Yes | Yes | No | Yes |
| Roppolo, 1999102 | Unable to determine | Yes | Yes | Yes | Yes | Yes | Unable to determine | NA | Yes |
| Sukonthasarn, 2007113 | Unable to determine | Yes | Yes | Yes | Yes | Yes | Yes | No | Unable to determine |
| Sukonthasarn, 2007113 | Unable to determine | Yes | Unable to determine | Yes | Yes | Yes | Yes | Unable to determine | Unable to determine |
| Troyanov, 2005116 | No | Yes | No | Yes | Yes | Yes | Yes | Yes some | Unable to determine |
| Troyanov, 2005116 | Unable to determine | Yes | Unable to determine | Yes | Yes | Yes | Unable to determine | Yes some | Yes |

**External validity - Power**

| **Author, year** | **Population asked representative** | **Population prepared participate representative** | **Staff places facilities representative** | **Power calculation reported** | **Industry support** | **Overall quality** |
| --- | --- | --- | --- | --- | --- | --- |
| Alcalai, 20074 | Yes | Yes | Yes | No | NR support | Fair |
| Alcalai, 20074 | Yes | Yes | Yes | No | NR support | Good |
| Apple, 19996 | Yes | Yes | Unable to determine | No | Yes industry support | Fair |
| Apple, 19996 | Unable to determine | Yes | Unable to determine | No | NR support | Fair |
| Bhagavan, 199816 | Unable to determine | Unable to determine | Unable to determine | No | NR support | Fair |
| Bhagavan, 199816 | Unable to determine | Unable to determine | Unable to determine | No | NR support | Fair |
| Chenevier-Gobeaux, 2013127 | Unable to determine | Yes | Unable to determine | No | Yes industry support | Fair |
| Chenevier-Gobeaux, 2013127 | Unable to determine | Yes | Unable to determine | No | Yes industry support | Fair |
| Fehr, 200334 | Unable to determine | Unable to determine | Unable to determine | No | NR support | Poor |
| Fehr, 200334 | Unable to determine | Unable to determine | Unable to determine | No | NR support | Poor |
| Flores, 200637 | No | No | Unable to determine | No | NR support | Poor |
| Flores, 200637 | Unable to determine | Unable to determine | Unable to determine | No | NR support | Fair |
| Flores-Solis, 201238 | Yes | Yes | Yes | Yes | No industry support | Fair |
| Flores-Solis, 201238 | Unable to determine | Unable to determine | Yes | Yes | No industry support | Good |
| Haaf, 201343 | Yes | Yes | Yes | No | Yes industry support | Good |
| Haaf, 201343 | Unable to determine | Unable to determine | Unable to determine | No | No industry support | Fair |
| Ikeda, 200262 | Unable to determine | Unable to determine | Unable to determine | No | NR support | Fair |
| Ikeda, 200262 | Unable to determine | Unable to determine | Unable to determine | No | NR support | Fair |
| Martin, 199883 | Yes | Yes | Unable to determine | No | NR support | Fair |
| Martin, 199883 | Yes | Yes | Yes | No | NR support | Fair |
| McCullough, 200284 | Yes | Yes | Yes | No | Yes industry support | Good |
| McCullough, 200284 | Yes | Yes | Unable to determine | No | NR support | Good |
| Noeller, 200391 | Yes | Yes | Yes | Yes | NR support | Fair |
| Noeller, 200391 | Yes | Yes | Unable to determine | Yes | NR support | Good |
| Roppolo, 1999102 | Yes | Unable to determine | Unable to determine | No | NR support | Good |
| Roppolo,1999102 | Yes | Yes | Unable to determine | No | NR support | Poor |
| Sukonthasarn, 2007113 | Yes | Unable to determine | Yes | No | No industry support | Fair |
| Sukonthasarn, 2007113 | Yes | Yes | Yes | No | Yes industry support | Good |
| Troyanov, 2005116 | Unable to determine | Unable to determine | Yes | No | Yes industry support | Fair |
| Troyanov, 2005116 | Unable to determine | Unable to determine | Unable to determine | No | NR support | Fair |

NA=not applicable; NR=not reported