| Citation            | Analysis specified a priori | ITT analysis | Modified primary outcome | Sensitivity analyses | CIs reported | Overall Risk of Bias for S claim |
|---------------------|-----------------------------|--------------|--------------------------|----------------------|--------------|----------------------------------|
| Heller 2009         | ★                           | ★            | ★                        | ★                    | ★            | High                             |
| Mummaneni 2007      | ★                           | ★            | ★                        | ★                    | ★            | Medium                           |
| Gornet 2017         | ★                           | ★            | ★                        | ★                    | ★            | High                             |
| Murrey 2009         | ★                           | ★            | ★                        | ★                    | ★            | High                             |
| Coric 2011          | ★                           | ★            | ★                        | ★                    | ★            | High                             |
| Hisey 2014*         | -                           | -            | -                        | -                    | -            | -                                |
| Davis 2013a         | ★                           | ★            | ★                        | ★                    | ★            | High                             |
| Vaccaro 2013        | ★                           | ★            | ★                        | ★                    | ★            | High                             |
| Phillips 2013       | ★                           | ★            | ★                        | ★                    | ★            | High                             |
| Blumenhali 2005*    | -                           | -            | -                        | -                    | -            | -                                |
| Zigler 2017         | ★                           | ★            | ★                        | ★                    | ★            | High                             |
| Delamarter 2011*    | -                           | -            | -                        | -                    | -            | -                                |
| Gornet 2011         | ★                           | ★            | ★                        | ★                    | ★            | Low                              |
| Pettine 2011*       | -                           | -            | -                        | -                    | -            | -                                |
| Garcia 2015         | ★                           | ★            | ★                        | ★                    | ★            | Low                              |
| Vaccaro 2008*       | -                           | -            | -                        | -                    | -            | -                                |
| Delawi 2016*        | -                           | -            | -                        | -                    | -            | -                                |
| Cho 2017*           | -                           | -            | -                        | -                    | -            | -                                |
| Yi 2015*            | -                           | -            | -                        | -                    | -            | -                                |
| Arnold 2016         | ★                           | ★            | ★                        | ★                    | ★            | High                             |
| Burkus 2002*        | -                           | -            | -                        | -                    | -            | -                                |
| PMA P050036*        | -                           | -            | -                        | -                    | -            | -                                |
| Rhyne 2012*         | -                           | -            | -                        | -                    | -            | -                                |
| Bae 2012*           | -                           | -            | -                        | -                    | -            | -                                |
| Tutton 2015*        | -                           | -            | -                        | -                    | -            | -                                |
| Strong 2017*        | -                           | -            | -                        | -                    | -            | -                                |
| Patel 2015*         | -                           | -            | -                        | -                    | -            | -                                |
| Davis 2013b*        | -                           | -            | -                        | -                    | -            | -                                |
| Schmidt 2018        | ★                           | ★            | ★                        | ★                    | ★            | Low                              |
| Meyer 2018*         | -                           | -            | -                        | -                    | -            | -                                |
| Strömqvist 2013*    | -                           | -            | -                        | -                    | -            | -                                |
| PMA P040001         | ★                           | ★            | ★                        | ★                    | ★            | Low                              |
| PMA P140007         | ★                           | ★            | ★                        | ★                    | ★            | High                             |
| Thome 2018          | ★                           | ★            | ★                        | ★                    | ★            | Low                              |
| Whang 2015          | ★                           | ★            | ★                        | ★                    | ★            | Medium                           |
| Lee 2016*           | -                           | -            | -                        | -                    | -            | -                                |
| Hacker 2000*        | -                           | -            | -                        | -                    | -            | -                                |
| PMA P070031*        | -                           | -            | -                        | -                    | -            | -                                |
| Kapural 2016        | ★                           | ★            | ★                        | ★                    | ★            | Low                              |
| PMA P150004         | ★                           | ★            | ★                        | ★                    | ★            | Low                              |
| Kim 2017*           | -                           | -            | -                        | -                    | -            | -                                |

*These studies were not evaluated because they did not make a superiority claim

- ★ Low risk; ★ Unclear risk; ★ High risk

Overall risk: Low = ≤1 ★; Medium = 2 ★; High = ≥3 ★ or ≥1 ★

- Reporting of confidence intervals (CIs) was not considered in the overall risk assessment

ITT: intention-to-treat; S: superiority
