

Supplemental Table 1 Jadad quality score of the included studies on anticoagulants' efficacy for prevention of DVT.

| NO. | Study | random sequence production | allocation concealment | blinding method | withdrawals and dropouts | total score |
|-----|-----------------|----------------------------|------------------------|-----------------|--------------------------|-------------|
| 1 | Anderson 2013 | 2 | 1 | 2 | 1 | 6 |
| 2 | Anderson 2018 | 2 | 1 | 2 | 1 | 6 |
| 3 | Anderson 2018 | 2 | 1 | 2 | 1 | 6 |
| 4 | Argun 2013 | 1 | 1 | 0 | 1 | 3 |
| 5 | Bai 2018 | 2 | 1 | 0 | 1 | 4 |
| 6 | Bai 2020 | 2 | 1 | 0 | 1 | 4 |
| 7 | Bai 2021 | 2 | 1 | 0 | 1 | 4 |
| 8 | Bauer 2001 | 2 | 1 | 2 | 1 | 6 |
| 9 | Bonneux 2006 | 2 | 1 | 0 | 1 | 4 |
| 10 | Colleoni 2008 | 2 | 1 | 0 | 1 | 4 |
| 11 | Ding 2014 | 2 | 1 | 0 | 1 | 4 |
| 12 | Eriksson 2005 | 2 | 1 | 2 | 1 | 6 |
| 13 | Eriksson 2006 | 1 | 2 | 2 | 1 | 6 |
| 14 | Eriksson 2007 | 2 | 1 | 2 | 1 | 6 |
| 15 | Eriksson 2007 | 2 | 1 | 2 | 1 | 6 |
| 16 | Eriksson 2007 | 2 | 2 | 2 | 1 | 7 |
| 17 | Eriksson 2007 | 2 | 2 | 2 | 1 | 7 |
| 18 | Eriksson 2007 | 1 | 2 | 0 | 1 | 4 |
| 19 | Eriksson 2007 | 2 | 1 | 0 | 1 | 4 |
| 20 | Eriksson 2008 | 2 | 1 | 2 | 1 | 6 |
| 21 | Eriksson 2010 | 2 | 1 | 1 | 1 | 5 |
| 22 | Eriksson 2011 | 2 | 2 | 2 | 1 | 7 |
| 23 | Eriksson 2011 | 2 | 2 | 2 | 1 | 7 |
| 24 | Fitzgerald 2001 | 2 | 1 | 2 | 1 | 6 |
| 25 | Fuji 2014 | 2 | 1 | 2 | 1 | 6 |
| 26 | Fuji 2014 | 1 | 1 | 0 | 1 | 3 |
| 27 | Fuji 2014 | 1 | 1 | 0 | 1 | 3 |
| 28 | Fuji 2015 | 1 | 1 | 2 | 1 | 5 |
| 29 | Gao 2011 | 0 | 0 | 0 | 1 | 1 |
| 30 | Gao 2016 | 2 | 1 | 0 | 1 | 4 |
| 31 | Ginsberg 2009 | 2 | 2 | 2 | 1 | 7 |
| 32 | Guo 2018 | 1 | 1 | 0 | 1 | 3 |
| 33 | Hass 2006 | 2 | 1 | 2 | 1 | 6 |
| 34 | Hosaka 2013 | 0 | 0 | 0 | 1 | 1 |
| 35 | Hull 2000 | 2 | 1 | 0 | 1 | 4 |
| 36 | Jiang 2019 | 1 | 1 | 0 | 1 | 3 |
| 37 | Kakkar 2000 | 1 | 1 | 2 | 1 | 5 |
| 38 | Kakkar 2008 | 2 | 2 | 2 | 1 | 7 |
| 39 | Kim 2016 | 2 | 1 | 2 | 1 | 6 |
| 40 | Lassen 2002 | 2 | 0 | 2 | 1 | 5 |
| 41 | Lassen 2007 | 2 | 1 | 2 | 1 | 6 |
| 42 | Lassen 2008 | 2 | 1 | 1 | 1 | 5 |
| 43 | Li 2018 | 1 | 1 | 0 | 1 | 3 |
| 44 | Migita 2014 | 0 | 0 | 0 | 1 | 1 |
| 45 | Migita 2014 | 0 | 0 | 0 | 1 | 1 |
| 46 | Mirdamadi 2014 | 2 | 1 | 1 | 1 | 5 |
| 47 | Qin 2016 | 2 | 1 | 0 | 1 | 4 |
| 48 | Quan 2010 | 2 | 1 | 0 | 1 | 4 |
| 49 | Rahman 2020 | 2 | 1 | 0 | 1 | 4 |
| 50 | Raskob 2010 | 1 | 1 | 2 | 1 | 5 |
| 51 | Ren 2021 | 1 | 1 | 0 | 1 | 3 |
| 52 | Senaran 2005 | 1 | 1 | 0 | 1 | 3 |
| 53 | Shi 2014 | 1 | 1 | 0 | 1 | 3 |
| 54 | Turpie 2002 | 2 | 1 | 2 | 1 | 6 |
| 55 | Turpie 2005 | 2 | 2 | 2 | 1 | 7 |
| 56 | Turpie 2009 | 2 | 2 | 2 | 1 | 7 |
| 57 | Turpie 2009 | 2 | 2 | 0 | 1 | 5 |
| 58 | Wang 2014 | 0 | 0 | 1 | 1 | 2 |
| 59 | Wang 2017 | 2 | 1 | 0 | 1 | 4 |
| 60 | Wang 2020 | 2 | 1 | 1 | 1 | 5 |
| 61 | Weitz 2020 | 2 | 0 | 0 | 1 | 3 |
| 62 | Wu 2013 | 2 | 1 | 0 | 1 | 4 |
| 63 | Yang 2013 | 1 | 1 | 0 | 1 | 3 |
| 64 | Yokote 2011 | 1 | 2 | 1 | 1 | 5 |
| 65 | Zhang 2017 | 0 | 0 | 0 | 1 | 1 |
| 66 | Zhang 2020 | 1 | 1 | 0 | 1 | 3 |
| 67 | Zou 2014 | 2 | 1 | 0 | 1 | 4 |