

Supplementary table 1. Assessment of risk of bias within studies included in EPAG+IST and haplo-HSCT group

| Author (Year) | Were adequate eligibility criteria developed and applied | Was the measurement of both exposure and outcome adequate? | Was confounding adequately controlled for? | Was the follow-up complete and adequate in duration? | Are reports of the study free of suggestion of selective outcome reporting? | Was the study free of other problems that put it at a high risk of bias? | Risk of bias |
|--------------------------|---|---|---|---|--|---|-------------------------|
| Townsley (2017) | YES | YES | YES | YES | YES | YES | Low |
| Assi (2018) | YES | YES | YES | YES | YES | YES | Low |
| Groarke (2019) | YES | YES | Unclear | YES | YES | YES | Unclear |
| Imada (2020) | YES | YES | YES | YES | YES | Unclear | Unclear |
| Yang (2019) | YES | YES | Unclear | YES | YES | YES | Unclear |
| Xu (2019) | YES | YES | Unclear | YES | YES | YES | Unclear |
| Cheng (2018) | YES | YES | Unclear | YES | YES | YES | Unclear |
| Xu (2017) | YES | YES | Unclear | YES | YES | YES | Unclear |
| Choi (2017) | YES | YES | Unclear | YES | YES | YES | Unclear |
| Zhang (2017) | YES | YES | Unclear | YES | YES | NO | High |