Supplemental Table 6. Risk of Bias in Non-Randomized Studies

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| The Risk of Bias in Non-randomized Studies – of Interventions (ROBINS-I) assessment tool | | | | | | | | |
| Study | Bias Due to Confounding | Bias in Selection of Participants into the Study | Bias in Classification of Interventions | Bias Due to Deviations from Intendent Interventions | Bias Due to Missing Data | Bias in Measurement of Outcomes | Bias in Selection of the Reported Results | Overall Risk of Bias |
| Al-Jaghbeer 2018 | Low | Low | Low | Low | Low | Low | Low | Low |
| Berger 2010 | moderate | low | low | low | low | low | moderate | moderate |
| Bourdeaux 2020 | low | low | low | low | low | low | low | low |
| Colpaert 2012 | moderate | low | low | low | low | high | low | high |
| Escobar 2020 | moderate | moderate | low | low | moderate | low | low | moderate |
| Evans 2016 | moderate | moderate | moderate | moderate | low | moderate | high | high |
| Fogerty 2019 | moderate | low | low | low | high | high | high | high |
| Gatewood 2015 | high | unclear | low | unclear | high | moderate | low | high |
| Giannini 2019 | low | low | low | low | low | low | moderate | moderate |
| Heller 2020 | high | low | low | low | low | low | moderate | high |
| Horton 2020 | low | moderate | low | low | low | low | low | moderate |
| Huff 2019 | high | low | moderate | low | unclear | high | unclear | high |
| Kollef 2017 | low | low | low | low | low | low | low | low |
| Manaktala 2017 | moderate | low | moderate | low | low | low | low | moderate |
| McCoy 2017 | moderate | low | low | moderate | low | low | low | moderate |
| Mestrom 2019 | low | low | low | low | low | low | low | low |
| Olchanski 2017 | high | low | low | low | low | low | low | moderate |
| Park 2018 | moderate | moderate | low | low | low | low | moderate | moderate |
| Sawyer 2011 | moderate | high | moderate | low | low | low | low | high |
| Subbe 2017 | moderate | low | low | moderate | low | low | low | moderate |
| Umscheid 2015 | moderate | low | low | low | low | low | moderate | moderate |
| Vizcaychipi 2020 | low | moderate | low | low | high | low | low | high |
| Weller 2018 | unclear | unclear | high | high | high | high | high | high |