

ESM 6. Supplementary Table 5. Overview of risk of bias assessment

Study	Selection bias	Allocation/ intervention bias	Misclassification/ detection bias	Confounding	Attrition/ performance bias
Amin 2013	Low	Low	Low	N/A	Possible
Larsen 2013	Low	Low	Low	Low	Low
Sörensen 2013	Low	Low	Low	Possible	Low
Southworth 2013	Low	Low	Unclassifiable	Unclassifiable	Low
Bengtson Abstract 2014	Low	Unclassifiable	Low	Unclassifiable	Low
Beyer-Westendorf 2014	Low	Low	Low	N/A	Low
Fontaine 2014	Low	Low	Possible	N/A	Possible
Laliberte 2014	Low	Low	Low	Low	Low
Larsen 2014	Low	Low	Low	Low	Low
Navgren 2014	Possible	Low	Low	N/A	Low
Ogawa 2014	Low	Low	Possible	N/A	Possible
Siu 2014	Low	Low	Low	N/A	Unclassifiable
Tran 2014	Unclassifiable	Unclassifiable	Unclassifiable	N/A	Unclassifiable
Yap 2014	Possible	Possible	Possible	N/A	Possible
Abraham 2015	Low	Low	Possible	Low	Low
Avgil-Tsadok 2015	Low	Low	Low	Low	Low
Bouillon 2015	Low	Low	Low	Low	Low
Chang 2015	Low	Low	Possible	Low	Possible
Engelberger 2015	Possible	Low	Possible	N/A	Possible

Study	Selection bias	Allocation/ intervention bias	Misclassification/ detection bias	Confounding	Attrition/ performance bias
Graham 2015	Low	Low	Low	Low	Low
Granziera 2015	Possible	Low	Low	N/A	Low
Hernandez 2015	Low	Low	Low	Possible	Low
Ho 2015	Possible	Low	Possible	Possible	Low
Jacobs Abstract 2015	Low	Unclassifiable	Unclassifiable	Unclassifiable	Unclassifiable
Kamble Abstract 2015	Low	Low	Low	Possible	Unclassifiable
Lauffenburger 2015	Low	Possible	Possible	Possible	Low
Leef 2015	Low	Low	Possible	Low	Low
Lin Abstract 2015	Low	Possible	Low	Low	Possible
Maura 2015	Possible	Low	Possible	Low	Low
Sjögren 2015	Low	Low	Low	N/A	Low
Tamayo 2015	Low	Low	Possible	N/A	Low
Verdecchia 2015	Low	Low	Low	N/A	Low
Adeboyeje Abstract 2016	Unclassifiable	Low	Low	Low	Unclassifiable
Arihiro 2016	Low	Low	Low	Possible	Low
Avgil-Tsadok 2016	Low	Possible	Low	Possible	Low
Blin 2016	Low	Low	Low	N/A	Low
Camm (XANTUS) 2016	Possible	Low	Low	N/A	Low
Chan EW 2016	Low	Low	Low	N/A	Low

Study	Selection bias	Allocation/ intervention bias	Misclassification/ detection bias	Confounding	Attrition/ performance bias
Chan YH 2016a	Possible	Low	Low	Possible	Low
Chan YH 2016b	Possible	Low	Low	Possible	Low
Coleman (REVISIT-US) 2016	Definite	Low	Low	Possible	Low
Coleman (RELIEF) 2016	Possible	Low	Low	Possible	Low
Ellis 2016	Possible	Possible	Low	Possible	Low
Gorst-Rasmussen 2016	Low	Low	Low	Possible	Low
Graham 2016	Possible	Possible	Possible	Possible	Low
Hecker 2016	Low	Possible	Low	N/A	Low
Korenstra 2016	Low	Low	Low	Low	Low
Kwon 2016	Low	Low	Low	Unclassifiable	Low
Larsen 2016	Low	Possible	Low	Low	Low
Lip 2016a	Low	Low	Low	Possible	Low
Lip 2016b	Low	Low	Possible	Low	Possible
Nishtala 2016	Low	Low	Low	Low	Low
Noseworthy 2016	Low	Low	Possible	Low	Low
Seeger 2016	Low	Low	Low	Possible	Low
Tziomalos 2016	Low	Low	Low	Low	Low
Villines 2016	Low	Low	Low	Possible	Low
Yao 2016	Low	Low	Possible	Possible	Low

Study	Selection bias	Allocation/ intervention bias	Misclassification/ detection bias	Confounding	Attrition/ performance bias
Yap 2016	Low	Low	Possible	Possible	Low
Yavuz 2016	Possible	Low	Possible	Possible	Low
Yoshimura 2016	Low	Unclassifiable	Unclassifiable	Unclassifiable	Unclassifiable
Abraham 2017	Low	Low	Possible	Possible	Low
Adeboyeje 2017	Low	Low	Possible	Possible	Possible
Amin 2017	Low	Low	Low	Unclassifiable	Low
Bengtson 2017	Low	Low	Low	Low	Possible
Cha 2017	Low	Low	Low	Definite	Low
Coleman (REASSESS) 2017	Low	Low	Low	Possible	Low
Coleman 2017	Low	Low	Low	Possible	Low
Coleman (REAFFIRM) 2017	Low	Low	Low	Possible	Low
Deitelzweig 2017	Low	Possible	Possible	Low	Possible
Denas 2017	Low	Low	Low	Possible	Low
Halvorsen 2017	Low	Low	Possible	Possible	Low
Hohnloser 2017	Low	Low	Low	Possible	Low
Kohsaka 2017	Low	Low	Low	Possible	Possible
Lamberts 2017	Low	Low	Possible	Possible	Possible
Leschke (XANTUS-DE) 2017	Possible	Possible	Low	N/A	Low
Li W-H 2017	Possible	Possible	Low	Possible	Low

Study	Selection bias	Allocation/ intervention bias	Misclassification/ detection bias	Confounding	Attrition/ performance bias
Li X 2017	Low	Low	Low	Possible	Low
Lin 2017	Low	Possible	Possible	Unclassifiable	Unclassifiable
Naganuma 2017	Low	Low	Low	Possible	Low
Nielsen 2017	Low	Low	Low	Low	Low
Norby 2017	Low	Low	Low	Possible	Low
Noseworthy 2017	Low	Low	Low	Possible	Low
Peacock 2017	Low	Low	Low	N/A	Low
Russo-Alvarez 2017	Possible	Low	Possible	Possible	Low
Staerk 2017	Low	Low	Possible	Possible	Possible
Weir 2017	Low	Unclassifiable	Unclassifiable	Unclassifiable	Unclassifiable
Yamashita 2017	Possible	Possible	Low	Possible	Low
Yiginer 2017	Low	Possible	Possible	Low	Possible