

SDC4. Risk of bias according to Risk Of Bias In Non-randomized Studies (ROBINS-I).

Author, year	Pre-intervention		At intervention		Post-intervention		
	Bias due to/in		Bias in		Bias due to/in		
	Confounding	Selection of participants	Classification of intervention	Deviations from intended interventions	Missing data	Measurement of outcomes	Selection of the reported result
Barbarino, 2021 ³⁵	Serious risk	Low risk	Low risk	Low risk	Low risk	Serious risk	Low risk
Pavicic, 2022 ⁵	Serious risk	Low risk	Low risk	Serious risk	Low risk	Serious risk	Low risk
Kim, 2021 ²¹	Serious risk	No information	Low risk	Low risk	Low risk	Serious risk	Low risk
Guida, 2021 ⁶⁴	Serious risk	Low risk	Low risk	Low risk	Low risk	Serious risk	Low risk
Fabi, 2021 ⁶³	Serious risk	Low risk	Low risk	Low risk	Low risk	Serious risk	Low risk
Alghoul, 2020 ³⁴	Serious risk	Low risk	Low risk	Low risk	Low risk	Serious risk	Low risk
Lapatina, 2017 ⁶¹	Serious risk	Low risk	Low risk	Low risk	Low risk	No information	Low risk
Rauso, 2013 ⁴²	Serious risk	Low risk	Serious risk	Serious risk	Low risk	Serious risk	Low risk
Becker, 2008 ³⁶	Serious risk	Moderate risk	Low risk	Serious risk	Low risk	Serious risk	Low risk
Haq, 2010 ¹⁹	Serious risk	Low risk	Low risk	Low risk	Low risk	Serious risk	Low risk
Tanaka, 2014 ⁴⁹	Serious risk	No information	No information	No information	Low risk	Serious risk	Low risk
Wasylkowski, 2015 ⁶²	Serious risk	Low risk	Low risk	Low risk	Low risk	Serious risk	Low risk
Juhász, 2018 ¹²	Serious risk	Low risk	Low risk	Serious risk	Low risk	Serious risk	Low risk
Juhász, 2018 ⁵⁶	Serious risk	Low risk	Low risk	Serious risk	Low risk	Serious risk	Low risk
Aletaha, 2017 ⁵⁷	Serious risk	Low risk	Low risk	Low risk	Low risk	No information	Low risk
Sadick, 2011 ²²	Serious risk	Low risk	Low risk	Low risk	Low risk	Serious risk	Low risk
Yutskovskaya, 2017 ⁶⁵	Serious risk	Low risk	Low risk	Low risk	Low risk	Serious risk	Low risk
Silvers, 2006 ⁴⁶	Serious risk	Low risk	Low risk	Low risk	Low risk	Serious risk	Low risk
Carruthers, 2008 ⁵³	Serious risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk
Tzikas, 2004 ⁵⁰	Serious risk	No information	Serious risk	No information	Low risk	Serious risk	Low risk
Baspeyras, 2017 ⁵¹	Serious risk	No information	Low risk	Low risk	Low risk	Serious risk	Low risk
Amselem, 2016 ⁶⁰	Serious risk	No information	Low risk	Low risk	Low risk	Serious risk	Low risk

Roy, 2006 ⁴⁴	Serious risk	No information	Low risk	Serious risk	Serious risk	Serious risk	Low risk
Muti, 2019 ¹³	Serious risk	No information	Low risk	Low risk	No information	Serious risk	Serious risk
Sklar, 2004 ⁴⁷	Serious risk	No information	Serious risk	No information	No information	No information	No information
Corduff, 2019 ⁵⁴	Serious risk	No information	Low risk	Serious risk	No information	Serious risk	Serious risk
Jacovella, 2005 ⁴⁰	Serious risk	No information	Serious risk	No information	No information	Serious risk	No information
Sadick, 2007 ⁴⁵	Serious risk	No information	Low risk	Serious risk	Serious risk	Serious risk	Low risk
Rokhsar, 2008 ⁴³	Serious risk	No information	Serious risk	Low risk	Low risk	Serious risk	No information
Beer, 2008 ³⁷	Serious risk	No information	Low risk	Low risk	Low risk	Serious risk	Low risk
Dayan, 2008 ⁵⁵	Serious risk	No information	Low risk	Low risk	No information	Serious risk	Low risk
Stupak, 2007 ⁴⁸	Serious risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk
Bernardini, 2014 ⁵²	Serious risk	No information	Serious risk	No information	Low risk	Serious risk	Serious risk
Vagefi, 2011 ⁴	Serious risk	Moderate risk	Low risk	Low risk	Moderate risk	Serious risk	Low risk
Wollina, 2020 ¹¹	Serious risk	Low risk	Low risk	Low risk	Low risk	Serious risk	Low risk
Hevia, 2009 ³⁹	Serious risk	No information	Low risk	Low risk	No information	Serious risk	Low risk
Fakhre, 2009 ³⁸	Serious risk	No information	Low risk	Low risk	No information	Serious risk	Low risk
Kim, 2018 ⁸	Serious risk	Low risk	Low risk	Low risk	Low risk	Serious risk	Low risk
Jansen, 2006 ⁴¹	Serious risk	No information	Low risk	Serious risk	Serious risk	Serious risk	Low risk
Rovatti, 2020 ⁷	Serious risk	Moderate risk	Low risk	Low risk	Low risk	Serious risk	Low risk
Custozzo, 2020 ⁶⁸	Serious risk	Low risk	Low risk	Low risk	Low risk	Serious risk	Low risk
Guida, 2020 ⁶⁷	Serious risk	Low risk	Low risk	Low risk	Low risk	Serious risk	Low risk
Di Maria, 2024 ⁵⁸	Serious risk	Low risk	Low risk	Low risk	Low risk	Serious risk	Low risk
Adel, 2023 ⁵⁹	Serious risk	Low risk	Low risk	Low risk	Low risk	Serious risk	Low risk
De Almeida, 2023 ⁶⁶	Serious risk	Low risk	Low risk	Low risk	Low risk	Serious risk	Low risk
Durariaj, 2024 ⁶⁹	Serious risk	Low risk	Low risk	Low risk	Low risk	Serious risk	Low risk