

## Appendix 5. Risk of bias using a Modified Newcastle Ottawa Scale

Article	Selection bias				Exposure bias		Comparability bias	Outcome bias		
	Definition of ACL injured population	Source population	Typical of average ACL injured population	Sample Size	How performance using a functional test was decided	Demonstrates outcome was not present at time of functional test	Comparability of cohorts on the basis of the design or analysis	Validity and reliability of outcomes	Assessment of outcome*	Adequacy of follow up
<i>Return to Sport</i>										
Ardern et al, 2015	Low	Low	Low	High	Low	Low	High	High	Low	High
Ebert et al, 2019	Low	High	High	High	High	Low	High	Low	Low	High
Faleide et al, 2019	Low	Low	Low	High	High	Low	Low	High	Low	High
Kitaguchi et al, 2020	Low	Low	Low	High	Low	Low	High	High	Low	High
McGrath 2017	Low	High	High	Low	Low	Low	Low	Low	Low	High
Moksnes et al, 2009	Low	Low	Low	High	Low	Low	High	Low	Low	High
Nawasreh et al, 2017	Low	High	Low	High	High	High	Low	High	High	High
Toole et al, 2017	Low	High	Low	High	High	Low	High	Low	Low	Low
Webster et al, 2019	Low	Low	Low	High	High	Low	High	Low	Low	High
Welling et al, 2020	Low	Low	Low	High	High	High	High	High	Low	High
<i>Patient-reported symptoms and function</i>										
Cristiani et al, 2020	Low	Low	Low	Low	High	High	Low	Low	Low	High
Culvenor et al, 2016	Low	Low	Low	High	High	Low	Low	Low	Low	Low
Ericsson et al, 2013	Low	Low	Low	High	Low	Low	Low	Low	Low	High
Filbay et al, 2021	Low	Low	Low	Low	High	Low	Low	Low	Low	High
Logerstedt et al, 2012	Low	Low	Low	High	Low	Low	High	Low	Low	High
Mansson et al, 2013	Low	High	Low	High	High	High	High	Low	Low	High
Oiestad et al, 2012	Low	High	Low	High	High	High	Low	Low	Low	High

Stropnik et al, 2020	Low	Low	Low	High	High	Low	High	Low	Low	Low
<i>Success with ACL deficiency</i>										
Button et al, 2006	Low	High	Low	High	High	Low	High	High	Low	High
Eitzen et al, 2010	Low	Low	Low	High	Low	Low	High	High	High	Low
Ekas et al, 2019	Low	Low	High	High	High	Low	High	Low	Low	Low
Fitzgerald et al, 2000	Low	Low	Low	High	High	Low	High	High	High	Low
Grindem et al, 2018	Low	Low	Low	High	High	Low	Low	Low	High	Low
<i>Subsequent knee injury after ACLR</i>										
Beischer et al, 2020	Low	Low	Low	High	Low	Low	High	High	High	High
Cristiani et al, 2021	Low	Low	Low	High	Low	Low	Low	Low	Low	High
Faltstrom et al, 2021	Low	High	High	High	Low	Low	Low	Low	High	Low
Grindem et al, 2016	Low	Low	Low	High	High	Low	Low	Low	Low	High
King et al, 2021	Low	Low	High	High	High	Low	Low	Low	High	High
Kyritsis et al, 2016	Low	Low	High	High	High	Low	Low	High	High	Low
Nawasreh et al, 2016	Low	High	Low	High	High	Low	High	High	High	High
Sousa et al, 2017	Low	Low	Low	Low	High	Low	High	High	High	High
van Melick et al, 2021	Low	Low	Low	High	Low	Low	High	High	Low	High
Webster et al, 2019	Low	Low	Low	High	Low	Low	High	High	Low	High
Wellsandt et al, 2017	Low	High	Low	High	High	Low	High	High	High	High
<i>Knee Osteoarthritis</i>										
Filbay et al, 2021	Low	Low	Low	High	High	High	Low	Low	Low	High
Janssen et al, 2013	Low	Low	Low	High	Low	Low	High	Low	Low	Low
Patterson et al, 2018	Low	High	Low	High	High	Low	Low	Low	Low	High
Pinczewski et al, 2007	Low	High	Low	High	High	High	High	High	High	High

Wellsandt et al, 2018	Low	High	Low	High	High	High	High	Low	High	High
<i>Studies not included in meta-analysis</i>										
Flosadottir et al, 2016	Low	Low	Low	High	Low	Low	Low	Low	Low	High
Flosadottir et al, 2018	Low	Low	Low	High	Low	High	Low	Low	Low	Low
Kline et al, 2016	Low	High	Low	High	High	High	High	High	High	High