Supplemental material

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Appendix 3. Measures used for outcomes presented

Paper	Measure used
Return to Sport	
Ardern et al, 2015*	Are you currently playing sport at the same level that you played pre-injury?
Ebert and Annear, 2019*	Tegner activity scale – Pre-injury level
Faleide et al, 2021	At what level do you perform your main sport/activity now? (pre-injury)
Kitaguchi et al, 2020	Tegner activity scale – Pre-injury level
McGrath et al, 2017*	Tegner activity scale – Pre-injury level
Moksnes and Risberg, 2009*	IKDC - pre-injury activity level
Nawasreh et al, 2017*	Global Rating scale – pre-injury level
Toole et al, 2017*	Tegner activity scale – maintain or improve
Webster et al, 2019*	Marx Scale – Pre-injury level
Welling et al, 2020*	Did you return to the pre-injury level of sport?
Symptoms and function	
Cristiani et al, 2020*	KOOS – Meeting Englund criteria
Culvenor et al, 2016*	KOOS – Meeting Englund criteria
Ebert and Annear, 2019*	IKDC – PASS (>75.9)
Ericsson et al, 2013*	KOOS – Meeting Englund criteria
Filbay et al, 2021*	KOOS – Meeting Englund criteria
Logerstedt et al, 2012*	IKDC – Below 15th percentile
Mansson et al, 2013*	KOOS – Meeting Englund criteria
Oiestad et al, 2012*	KOOS – Meeting Englund criteria
Stropnik et al, 2020	IKDC – Below 15th percentile
Welling et al, 2020*	IKDC – PASS (>75.9)
Success with ACL deficiency	
Button et al, 2006*	Return to pre-injury activity level (phone questionnaire)
Eitzen et al, 2010	Not having delayed ACLR up to 15/12 post-injury
Ekas et al, 2019	Not having delayed ACLR up to 8-years post-injury
Ericsson et al, 2013*	Not having delayed ACLR up to 5-years post-injury
Fitzgerald et al, 2000	Ability to return to preinjury levels of activity without experiencing an episode of giving-way at the knee
Grindem et al, 2018*	Delayed ACLR up to 2-years post-injury
Subsequent knee injury	

Beischer et al, 2020	ACLR re-rupture or contralateral injury up to 46-months post-surgery
Cristiani et al, 2021	Revision ACLR within 2-years post-ACLR
Faleide et al, 2021	ACLR re-rupture or contralateral ACL rupture up to 2-years post-surgery
Faltstrom et al, 2021	ACLR re-rupture, contralateral re-rupture or "severe" injury (absence from soccer play ≥28 days) up to 2-years post-surgery
Grindem et al, 2016*	ACLR re-rupture and other injuries to ACLR knee or contralateral rupture/injury up to 2-years post-surgery
King et al, 2021	Contralateral ACL injury within 2-years post-ACLR
Kyritsis et al, 2016*	ACL graft re-rupture up to 2.5 years after surgery
Nawasreh et al, 2016	ACLR re-rupture or contralateral injury up to 2-years post-surgery
Sousa et al, 2017	ACLR re-rupture or contralateral injury 4-years post-surgery
van Melick et al, 2021*	ACLR re-rupture or contralateral ACL injury up to 2-years post-surgery
Webster et al, 2019	ACLR re-rupture or contralateral ACL injury up to 5-years post-surgery
Wellsandt et al, 2017*	ACLR re-rupture or contralateral injury ≥2-years post-surgery
Knee Osteoarthritis	
Filbay et al, 2021*	Kellgren & Lawrence OA grading ≥2 and defined symptoms
Janssen et al, 2013*	A combination of Ahlbäck grade 1 and Kellgren & Lawrence (K&L) grade 3 was defined as 'radiographic signs of knee OA'
Oiestad et al, 2012*	Kellgren & Lawrence OA grading score ≥2 (Extra data received from author for this analysis)
Patterson et al, 2018*	OARSI criteria; i) JSN of grade 2 or higher, ii) Sum of osteophyte grades ≥2, iii) Grade 1 JSN in combination with a grade 1 osteophyte
Pinczewski et al, 2007*	IKDC OA grading
Wellsandt et al, 2018*	Kellgren & Lawrence OA grading ≥2

Studies not included in meta-analysis

Flosadottir et al, 2016	Tegner activity scale
Flossadottir et al, 2018	Knee – self efficacy scale
Kline et al, 2016	Biomechanical variables

KOOS, The Knee Injury and Osteoarthritis Outcome Score, IKDC, International Knee Documentation Committee score, ACLR, anterior cruciate ligament reconstruction, OA, osteoarthritis, JSN, joint space narrowing,
*Extra data received from author to report outcomes in this format for our analysis