

1 **Appendix 1. Systematic Search**

2 Database (including vendor/platform): Medline (via Ovid)

Set #	Terms	Results
1	exp Anterior Cruciate Ligament/ OR exp Ligaments, Articular/ OR exp Anterior Cruciate Ligament Injuries/ OR exp Anterior Cruciate Ligament Reconstruction/	35289
2	("anterior cruciate ligaments" or ACL or ACLR or "Anterior Cruciate Ligament").ti,ab.	23481
3	1 OR 2	43786
4	exp Fear/ OR exp Self Efficacy/	52699
5	(fear or "Self-efficacy" or "Tampa Scale for Kinesiophobia" or TSK or "ACL-QOL" or ACLQOL or "Anterior Cruciate Ligament Quality Of Life" or "Anterior Cruciate Ligament Return to Sport After Injury" or "Return to Sport after Injury Scale" or "ACL-RSI" or ACLRSI or "K-SES" or "Fear Avoidance Beliefs" or FABQ or "Psychological Readiness" or Fear or confidence or confident or avoidance or Kinesiophobia).ti,ab.	656049
6	4 OR 5	674925
7	3 AND 6	1221
8	not (systematic review.pt OR meta-analysis.pt OR case reports.pt OR editorial.pt OR letter.pt OR comment.pt) not (exp animals/ not exp humans/)	1013

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4 Database (including vendor/platform): Embase (via Elsevier)

Set #	Terms	Results
1	'anterior cruciate ligament injuries'/exp OR 'anterior cruciate ligament injuries':ti,ab OR 'joint ligament'/exp OR 'joint ligament':ti,ab OR 'anterior cruciate ligament'/exp OR 'anterior cruciate ligament':ti,ab OR 'anterior cruciate ligament reconstruction'/exp OR 'anterior cruciate ligament reconstruction':ti,ab OR 'acl'/exp OR acl:ti,ab OR aclr:ti,ab	49,658
2	'fear'/exp OR Fear:ti,ab OR confidence:ti,ab OR confident:ti,ab OR avoidance:ti,ab OR Kinesiophobia:ti,ab OR "Self-efficacy":ti,ab OR "Tampa Scale for Kinesiophobia":ti,ab OR TSK:ti,ab OR "ACL-QOL":ti,ab OR ACLQOL:ti,ab OR 'Anterior Cruciate Ligament Quality Of Life':ti,ab OR 'Anterior Cruciate Ligament Return to Sport After Injury':ti,ab OR 'Return to Sport after Injury Scale':ti,ab OR "ACL-RSI":ti,ab OR ACLRSI:ti,ab OR "K-SES":ti,ab OR 'Fear Avoidance Beliefs':ti,ab OR FABQ:ti,ab OR 'Psychological Readiness':ti,ab	1,033,342
3	1 AND 2	1,664
4	NOT ('case report'/exp OR 'case study'/exp OR 'editorial'/exp OR [editorial]/lim OR 'letter'/exp OR [letter]/lim OR 'note'/exp OR [note]/lim OR [conference abstract]/lim OR 'conference abstract'/exp OR 'conference abstract'/it OR 'systematic review':ti OR 'meta-analysis':ti OR 'systematic review'/exp OR 'meta analysis'/exp) AND [humans]/lim	1,059

5 Database (including vendor/platform): CINAHL (via EBSCO)

Set #	Terms	Results
1	(MH "Anterior Cruciate Ligament") OR (MH "Anterior Cruciate Ligament Reconstruction") OR (MH "Anterior Cruciate Ligament Injuries") OR TI("anterior cruciate ligament" OR "anterior cruciate ligaments" OR ACL OR ACLR) OR AB("anterior cruciate ligament" OR "anterior cruciate ligaments" OR ACL OR ACLR)	14,559
2	(MH "Fear+") OR (MH "Self-Efficacy") OR TI (fear OR confidence OR confident OR avoidance OR Kinesiophobia OR "Self-efficacy" OR "Tampa Scale for Kinesiophobia" OR TSK OR "ACL-QOL" OR ACLQOL OR "Anterior Cruciate Ligament Quality Of Life" OR "Anterior Cruciate Ligament Return to Sport After Injury" OR "Return to Sport after Injury Scale" OR "ACL-RSI" OR ACLRSI OR "K-SES" OR "Fear Avoidance Beliefs" OR FABQ OR "Psychological Readiness") OR AB (fear OR confidence OR confident OR avoidance OR Kinesiophobia OR "Self-efficacy" OR "Tampa Scale for Kinesiophobia" OR TSK OR "ACL-QOL" OR ACLQOL OR "Anterior Cruciate Ligament Quality Of Life" OR "Anterior Cruciate Ligament Return to Sport After Injury" OR "Return to Sport after Injury Scale" OR "ACL-RSI" OR ACLRSI OR "K-SES" OR "Fear Avoidance Beliefs" OR FABQ OR "Psychological Readiness")	273,940
3	1 and 2	711
4	S3 NOT PT (Case study OR Abstract OR Commentary OR Editorial OR Letter OR Meta Analysis OR Meta Synthesis OR Systematic Review)	578

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7 Database (including vendor/platform): Web of Science (via Clarivate)

Set #	Terms	Results
1	TS=("anterior cruciate ligament" OR "anterior cruciate ligaments" OR ACL OR ACLR)	28,678
2	TS=(fear OR confidence OR confident OR avoidance OR Kinesiophobia OR "Self-efficacy" OR "Tampa Scale for Kinesiophobia" OR TSK OR "ACL-QOL" OR ACLQOL OR "Anterior Cruciate Ligament Quality Of Life" OR "Anterior Cruciate Ligament Return to Sport After Injury" OR "Return to Sport after Injury Scale" OR "ACL-RSI" OR ACLRSI OR "K-SES" OR "Fear Avoidance Beliefs" OR FABQ OR "Psychological Readiness")	893,851
3	1 and 2	1,039
4	Refined by: [excluding] DOCUMENT TYPES: (EDITORIAL MATERIAL OR REVIEW OR MEETING ABSTRACT OR LETTER OR PROCEEDINGS PAPER)	871

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9 Database (including vendor/platform): Scopus (via Elsevier)

Set #	Terms	Results

1	TITLE-ABS-KEY ("anterior cruciate ligament" OR "anterior cruciate ligaments" OR acl OR aclr)	37,518
2	TITLE-ABS-KEY(fear OR confidence OR confident OR avoidance OR Kinesiophobia OR "Self-efficacy" OR "Tampa Scale for Kinesiophobia" OR TSK OR "ACL-QOL" OR ACLQOL OR "Anterior Cruciate Ligament Quality Of Life" OR "Anterior Cruciate Ligament Return to Sport After Injury" OR "Return to Sport after Injury Scale" OR "ACL-RSI" OR ACLRSI OR "K-SES" OR "Fear Avoidance Beliefs" OR FABQ OR "Psychological Readiness")	1,103,196
3	1 and 2	1,224
4	AND (EXCLUDE (DOCTYPE , "re") OR EXCLUDE (DOCTYPE , "cp") OR EXCLUDE (DOCTYPE , "no") OR EXCLUDE (DOCTYPE , "ch") OR EXCLUDE (DOCTYPE , "le") OR EXCLUDE (DOCTYPE , "ed") OR EXCLUDE (DOCTYPE , "cr"))	1,036

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11 Database (including vendor/platform): Cochrane Central Register of Controlled Trials

12 (ClinicalTrials.gov and WHO's International Clinical Trials Registry Platform)

Set #	Terms	Results
1	[mh "Anterior Cruciate Ligament"] OR [mh "Ligaments, Articular"] OR [mh "Anterior Cruciate Ligament Injuries"] OR [mh "Anterior cruciate ligament reconstruction"] OR "anterior cruciate ligament":ti,ab OR "anterior cruciate ligaments":ti,ab OR acl:ti,ab OR aclr:ti,ab	3,173
2	[mh "Fear"] OR [mh "Self Efficacy"] OR Fear:ti,ab OR confidence:ti,ab OR confident:ti,ab OR avoidance:ti,ab OR Kinesiophobia:ti,ab OR "Self-efficacy":ti,ab OR "Tampa Scale for Kinesiophobia":ti,ab OR TSK:ti,ab OR "ACL-QOL":ti,ab OR ACLQOL:ti,ab OR "Anterior Cruciate Ligament Quality Of Life":ti,ab OR "Anterior Cruciate Ligament Return to Sport After Injury":ti,ab OR "Return to Sport after Injury Scale":ti,ab OR "ACL-RSI":ti,ab OR ACLRSI:ti,ab OR "K-SES":ti,ab OR "Fear Avoidance Beliefs":ti,ab OR FABQ:ti,ab OR "Psychological Readiness":ti,ab	92,890
3	1 and 2	145
4	Limit to Trials	132

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14 Database (including vendor/platform): SportDiscus (via EbscoHost)

Set #	Terms	Results
1	(DE "ANTERIOR cruciate ligament" OR DE "ANTERIOR cruciate ligament injuries" OR DE "ANTERIOR cruciate ligament surgery" OR DE "ANTERIOR cruciate ligament transplantation") OR TI("anterior cruciate ligament" OR "anterior cruciate ligaments" OR ACL OR ACLR) OR AB("anterior cruciate ligament" OR "anterior cruciate ligaments" OR ACL OR ACLR)	13,362
2	(DE "FEAR") OR (DE "SELF-efficacy") OR TI (fear OR confidence OR confident OR avoidance OR Kinesiophobia OR "Self-efficacy" OR "Tampa Scale for Kinesiophobia" OR TSK OR "ACL-QOL" OR ACLQOL OR "Anterior Cruciate Ligament Quality Of Life" OR "Anterior Cruciate Ligament Return	48,429

	to Sport After Injury" OR "Return to Sport after Injury Scale" OR "ACL-RSI" OR ACLRSI OR "K-SES" OR "Fear Avoidance Beliefs" OR FABQ OR "Psychological Readiness") OR AB (fear OR confidence OR confident OR avoidance OR Kinesiophobia OR "Self-efficacy" OR "Tampa Scale for Kinesiophobia" OR TSK OR "ACL-QOL" OR ACLQOL OR "Anterior Cruciate Ligament Quality Of Life" OR "Anterior Cruciate Ligament Return to Sport After Injury" OR "Return to Sport after Injury Scale" OR "ACL-RSI" OR ACLRSI OR "K-SES" OR "Fear Avoidance Beliefs" OR FABQ OR "Psychological Readiness")	
3	1 and 2	508
4	S3 NOT PT (Conference paper OR Conference proceeding OR Review)	508

Appendix 2. Author Contacts

Study	Information Clarified	Outcome
Alzhrani 2022	No	ACL treatment type = Unclear
Ardern, 2014	Yes	ACL treatment type = Delayed ACLR w/o prior exercise therapy
Betsch 2021	No	ACL treatment type = Unclear
Blakeney, 2018	No	ACL treatment type = Unclear
Bohu, 2015	No	ACL treatment type = Unclear
Bortone 2021	No	ACL treatment type = Unclear & Excluded from meta-analysis
Burland, 2018	Yes	ACL treatment type = Early ACLR
Burland, 2020	Yes	ACL treatment type = Early ACLR
Byrne 2021	No	ACL treatment type = Unclear
Chen, 2017	No	ACL treatment type = Unclear
Cusumano 2021	Yes	ACL-RSI Mean/SD Added & ACL treatment type = Delayed ACLR without prior exercise therapy
Falstrom 2016	Yes	ACL treatment type = Early ACLR & Unclear
Gokeler, 2017	No	ACL treatment type = Unclear
Goto 2022	No	ACL treatment type = Unclear
Ha, 2019	No	ACL treatment type = Unclear
Harput, 2016	No	ACL treatment type = Unclear
Harput, 2017	No	ACL treatment type = Unclear
Hart, 2020	Yes	ACL treatment type = Delayed ACLR w/o prior exercise therapy
Hirohata, 2020	No	ACL treatment type = Unclear
Jia, 2018	No	ACL treatment type = Unclear
Kim 2021	No	ACL treatment type = Unclear
Klasan, 2020	Yes	ACL treatment type = Early ACLR; ACL-RSI Mean/SD Added
Kuenze, 2021	No	ACL treatment type = Unclear
Kvist, 2013	Yes	ACL treatment type = Delayed ACLR w/o prior exercise therapy
Lee 2021	No	ACL treatment type = Unclear
Lefevre, 2017	No	Excluded
Ling, 2019	No	ACL treatment type = Unclear
Martini 2022	Yes	ACL-RSI Mean/SD Added

McPherson, 2019	No	ACL treatment type = Unclear
Meierbachtol, 2018	Yes	ACL treatment type = Early ACLR
Meierbachtol, 2020	Yes	ACL treatment type = Early ACLR
Monaco 2022	Yes	ACL treatment type = Early ACLR
Nagelli, 2019	Yes	ACL treatment type = Early ACLR
O'Connor, 2020	No	Excluded
Oliveira Silva, 2018	No	Excluded
Peebles, 2021	Yes	ACL treatment type = Early ACLR
Phelan, 2019	No	ACL treatment type = Unclear
Presley, 2021	No	ACL treatment type = Unclear
Rhim, 2020	No	ACL treatment type = Unclear
Rosso, 2018	No	ACL treatment type = Unclear
Sadeqi, 2018	No	ACL treatment type = Unclear
Sala-Barat, 2020	No	ACL-RSI Mean/SD Added
Salatkaite 2021	No	ACL treatment type = Unclear
Salatkaite, 2019	No	ACL treatment type = Unclear
Slagers, 2017	No	ACL treatment type = Unclear
Slagers, 2019	No	ACL treatment type = Unclear
Thiebat, 2021	No	ACL treatment type = Unclear
Toale, 2021	Yes	ACL treatment type = Early ACLR & Delayed ACLR w/o prior exercise therapy
Tortoli, 2020	No	ACL treatment type = Unclear
Webster 2021	No	ACL treatment type = Unclear
Webster, 2008	Yes	ACL treatment type = Early ACLR
Webster, 2018 ("Development...Short Form...")	Yes	ACL treatment type = Early ACLR
Webster, 2018 ("Factors...Psych Readiness...")	Yes	ACL treatment type = Early ACLR
Webster, 2019	Yes	ACL treatment type = Early ACLR
Webster, 2020	Yes	ACL treatment type = Unclear; ACL-RSI Mean/SD Added
Welling, 2018	No	ACL treatment type = Unclear
Wilson, 2018	No	ACL treatment type = Unclear
Winkler, 2021	Yes	ACL treatment type = Early ACLR
Zanovello, 2017	No	ACL treatment type = Unclear
Zarzycki 2021	No	ACL treatment type = Unclear
Zarzycki, 2018	No	ACL treatment type = Unclear

19 **Appendix 3. Risk of Bias Judgements**

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21 **Risk of Bias Assessment Tool for Nonrandomized Studies (RoBANS)**

ACL Injury Treatment Category	Study	Participant Selection	Confounding	Exposure Measurement	Blinding of Outcome Assessors	Missing Data	Selective Outcome Reporting	Overall
Early ACLR	Ardern et al. 2015 [1]	Low	N/A	Low	Low	High	Low	Low
	Burland et al. 2018 [2]	High	N/A	Low	Low	Low	Low	Low
	Burland et al. 2020 [3]	High	N/A	Low	Low	Low	High	High
	Culvenor et al. 2016 [4]	Low	Low	Low	Unclear	Unclear	Low	High
	Ebert et al. 2021 [5]	Low	High	Low	N/A	Unclear	Low	High
	Fones et al. 2020 [6]	Low	Low	Low	High	Unclear	Low	High
	Johnston et al. 2021 [7]	High	Low	Low	Unclear	Unclear	High	High
	Kitaguchi et al. 2020 [8]	Low	N/A	Low	Unclear	Low	High	High
	Klasan et al. 2021 [9]	Low	N/A	Low	N/A	Unclear	High	High
	Langford et al. 2009 [10]	High	High	Low	Unclear	Unclear	Low	High
	Lepley et al. 2018 [11]	High	High	Low	N/A	Unclear	Low	High
	Lisee et al. 2020 [12]	Low	High	Low	High	Unclear	Low	High
	Martini et al. 2022 [13]	Low	High	Low	Unclear	Low	High	High
	Meierbachtol et al. 2020 [14]	High	N/A	Low	N/A	Unclear	Low	High
	Monaco et al. 2022 [15]	Low	N/A	Low	N/A	Low	Low	Low
	Nagelli et al. 2019 [16]	High	High	Low	N/A	Unclear	Low	High
	Ohji et al. 2021 [17]	High	High	Low	Unclear	Low	Low	High

	Ohji et al. 2021 [18]	Low	N/A	Low	Unclear	Unclear	Low	High
	Panisset et al. 2019 [19]	Low	High	Low	Unclear	Unclear	Low	High
	Peebles et al. 2021 [20]	High	High	Low	N/A	Unclear	Low	High
	Sala-Barat et al. 2020 [21]	High	High	Low	Unclear	Unclear	High	High
	Vermeijden et al. 2021 [22]	High	N/A	Low	Unclear	Low	Low	Low
	Webster et al 2008 [23]	Unclear	N/A	Low	Low	Unclear	Low	High
	Webster et al. 2018 [24]	Unclear	N/A	Low	High	Unclear	Low	High
	Webster et al. 2018 [25]	Low	Low	Low	Low	Low	Low	Low
	Webster et al. 2019 [26]	High	N/A	Low	Low	High	Low	High
	Winkler et al. 2021 [27]	Low	High	Low	Low	High	High	High
Delayed ACLR without prior exercise therapy	Ardern et al. 2014 [28]	Low	N/A	Low	Low	Low	Low	Low
	Ardern et al. 2013 [29]	Low	N/A	Low	Low	Low	Low	Low
	Beischer et al. 2019 [30]	Low	High	Low	Low	High	Low	High
	Faleide et al. 2021 [31]	High	N/A	Low	Low	Unclear	Low	High
	Fayard et al. 2019 [32]	High	N/A	Low	N/A	Unclear	High	High
	Hart et al. 2020 [33]	Low	N/A	Low	N/A	Unclear	Low	Low
	Kvist et al. 2013 [34]	Low	N/A	Low	Unclear	Low	Low	Low
	Pioger et al. 2021 [35]	Low	High	Low	Unclear	High	Low	High
	Piussi et al. 2020 [36]	Low	High	Low	Low	Unclear	High	High
	Rayes et al. 2022 [37]	Low	High	Low	Unclear	High	Low	High

Delayed ACLR	Toanen et al. 2017 [38]	Low	High	Low	N/A	Unclear	Low	High
Rehabilitation Only	Fayard et al. 2019 [39]	Low	N/A	Low	Unclear	High	Low	High
Early ACLR & Delayed ACLR without prior exercise therapy	Kostyun et al. 2021 [40]	High	High	Low	Low	Low	Low	High
	Toale et al. 2021 [41]	Low	High	Low	Unclear	High	Low	High
Early ACLR & Rehabilitation Only	Ehlinger et al. 2021 [42]	Low	High	Low	Unclear	Unclear	Low	High
Early ACLR & Unclear	Faltstrom et al. 2016 [43]	Low	N/A	Low	Low	Low	Low	Low
Unclear	Alzrani et al. 2022 [44]	High	N/A	High	N/A	Low	Low	High
	Betsch et al. 2021 [45]	Low	High	Low	N/A	Low	Low	Low
	Blakeney et al. 2018 [46]	High	N/A	Unclear	Unclear	Unclear	Low	High
	Bohu et al. 2015 [47]	Low	N/A	Low	Low	Low	Low	Low
	Bortone et al. 2021 [48]	High	High	Low	Unclear	Unclear	Low	High
	Byrne et al. 2021 [49]	High	High	Low	Unclear	Unclear	Low	High
	Chen et al. 2017[50]	High	N/A	Low	N/A	Low	Low	Low
	Gokeler et al. 2017 [51]	Unclear	High	Low	N/A	Unclear	High	High
	Goto et al. 2022 [52]	High	N/A	Low	Unclear	Low	Low	High
	Ha et al. 2019 [53]	Unclear	N/A	Low	Unclear	Unclear	Low	High
	Harput et al. 2016 [54]	Unclear	High	Unclear	N/A	Unclear	High	High
	Harput et al. 2017 [55]	Unclear	N/A	Low	N/A	Low	Low	Low
Hirohata et al. 2020 [56]	High	High	Unclear	N/A	Low	Low	High	

Jia et al. 2018 [57]	Low	N/A	Low	Unclear	Unclear	Low	High
Kim et al. 2022 [58]	Low	High	Low	Unclear	Unclear	Low	High
Kuenze et al. 2021 [59]	Unclear	Low	High	Unclear	Low	Low	High
Lee et al. 2021 [60]	Low	High	Low	Unclear	Unclear	Low	High
McPherson et al. 2019 [61]	High	High	Low	Low	High	Low	High
Phelan et al. 2019 [62]	Low	Low	Low	High	Unclear	Low	High
Presley et al. 2021 [63]	Low	Low	Low	Unclear	Unclear	Low	High
Rosso et al. 2018 [64]	Unclear	Low	Low	N/A	Unclear	Low	High
Sadeqi et al. 2018 [65]	Low	High	Low	Low	Unclear	Low	High
Salatkaite et al. 2021 [66]	High	N/A	Unclear	Unclear	Unclear	Low	High
Salatkaite et al. 2019 [67]	High	N/A	Unclear	Unclear	Low	Low	High
Slagers et al. 2017 [68]	Low	N/A	Low	N/A	Unclear	Low	Low
Slagers et al. 2019 [69]	Low	High	Low	N/A	Low	Low	Low
Thiebat et al. 2022 [70]	Low	High	Low	N/A	Low	Low	High
Tortoli et al. 2022 [71]	High	N/A	Low	High	Unclear	Low	High
Webster et al. 2021 [72]	Low	High	Low	N/A	Low	Low	Low
Welling et al. 2018 [73]	High	Low	Low	N/A	Low	Low	Low
Willson et al. 2018 [74]	Low	High	Low	N/A	Unclear	Low	High
Zanovello et al. 2017 [75]	Low	High	Low	N/A	Unclear	High	High
Zarzycki et al. 2021 [76]	High	High	Low	Unclear	Low	Low	High

	Zarzycki et al. 2018 [77]	High	High	Low	Unclear	Low	High	High
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23 **Risk of Bias Tool in Non-randomized Studies of Interventions (ROBINS-I)**

ACL Injury Treatment Category	Study	Confounding	Participant Selection	Intervention Classification	Deviations from Intended Interventions	Missing Data	Outcome Measurement	Selection of Reported Result	Overall
Early ACLR	Meierbachtol et al. 2018 [78]	Serious	Moderate	Moderate	Low	Unclear	Low	Low	Critical
Early ACLR & Delayed ACLR without prior exercise therapy	Muller et al. 2015 [79]	Serious	Moderate	Low	Low	Unclear	Low	Serious	Critical

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Cochrane Risk of Bias Tool for Randomized Studies (ROB2)

ACL Injury Treatment Category	Study	Randomization Process		Deviations from Intended Interventions		Missing Data	Outcome Measurement	Selection of Reported Result	Overall
		Sequence Generation	Allocation Concealment	Blinding of Participants	Blinding of Outcome Assessors				
Delayed ACLR without prior exercise therapy	Cusumano et al. 2021 [80]	Some Concerns	Unclear	Low	Low	Unclear	Low	High	High
Early ACLR	Sanborn et al. 2022 [81]	Low	Unclear	Low	Some Concerns	Low	Unclear	Low	High
Unclear	Rhim et al. 2020 [82]	Some Concerns	Unclear	Unclear	Unclear	Unclear	Low	High	High
	Ling et al. 2019 [83]	Low	Unclear	Unclear	Unclear	Unclear	Low	Some Concerns	High

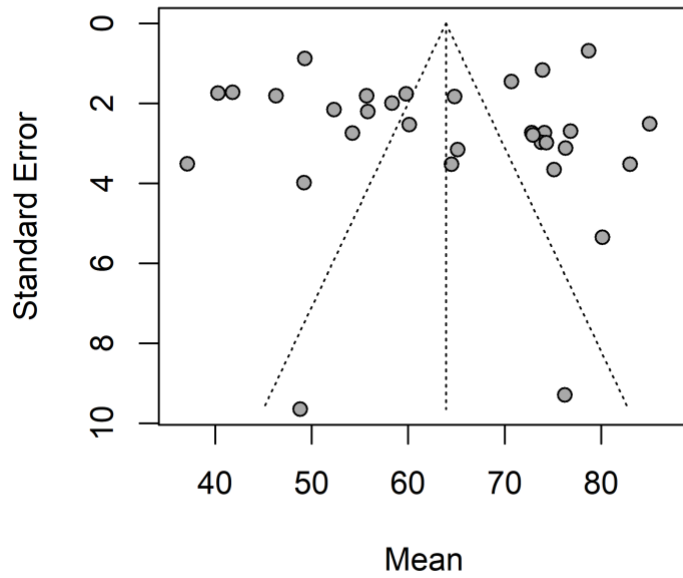
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29 ACL (anterior cruciate ligament), ACLR (anterior cruciate ligament reconstruction)

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32 **Appendix 4. Funnel Plot.** Funnel Plot to assess for publication bias for the primary meta-
33 analysis pooling ACL-RSI scores. The x-axis reports the mean of the ACL-RSI scores for each
34 included study. The y-axis reports the standard error for each study. There is no concerns for
35 publication bias based on symmetrical funnel plot



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53 **Appendix 5. Meta-Regression Models**

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55 A. Final Model Including Age, Sex and Time from Injury to Treatment for ACL-RSI measured
56 between 3 to 6 months after ACLR

57 Mixed-Effects Model (k = 9; tau² estimator: REML)

58 tau² (estimated amount of residual heterogeneity): 35.66 (SE = 29.18)

59 tau (square root of estimated tau² value): 5.97

60 I² (residual heterogeneity / unaccounted variability): 80.3%

61 H² (unaccounted variability / sampling variability): 5.07

62 R² (amount of heterogeneity accounted for): 47.59%

63 Test for Residual Heterogeneity:

64 QE(df = 5) = 24.43, p= 0.0002

65 Test of Moderators (coefficients 2:4):

66 QM(df = 3) = 8.97, p= 0.030

67 Model Results:

Factor	Estimate	Standard Error	z-value	p-value	95% CI
Intercept	46.6	15.6	3.0	0.003	16.0, 77.2
Female (%)	23.3	19.7	1.2	0.24	-15.2, 61.8
Age (years)	1.3	0.7	1.9	0.05	-.01, 2.6
Time from injury to Tx (days)	-0.3	0.09	-2.9	0.003	-0.5, -0.09

68 Tx (treatment), CI (confidence interval)

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86 B. Final Model Including Age, Sex and Time from Injury to Treatment for ACL-RSI measured
 87 between 1 to 2 years after ACLR

88 Mixed-Effects Model (k = 11; tau^2 estimator: REML)
 89 tau^2 (estimated amount of residual heterogeneity): 61.32 (SE = 41.5)
 90 tau (square root of estimated tau^2 value): 7.8
 91 I^2 (residual heterogeneity / unaccounted variability): 92.5%
 92 H^2 (unaccounted variability / sampling variability): 13.28
 93 R^2 (amount of heterogeneity accounted for): 26.97%
 94 Test for Residual Heterogeneity: QE(df = 6) = 87.0, p< .0001
 95 Test of Moderators (coefficients 2:4): QM(df = 3) = 6.03, p= 0.11
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Model Results:

Factor	Estimate	Standard Error	z-value	p-value	95% CI
Intercept	157.2	45.9	3.4	0.0006	67.4, 247.1
Female (%)	-59.7	45.3	-1.3	0.2	-148.4, 29.0
Age (years)	-2.7	1.1	-2.3	0.02	-4.9, -0.4
Time from injury to Tx (days)	-0.0009	0.03	-0.03	0.97	-0.05, 0.05

98 Tx (treatment), CI (confidence interval)
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121 **References**

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137 after anterior cruciate ligament reconstruction. *Knee*. 2021 Jun;30:176-84.
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