

1

Supplements

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e Table 1. Details of search process

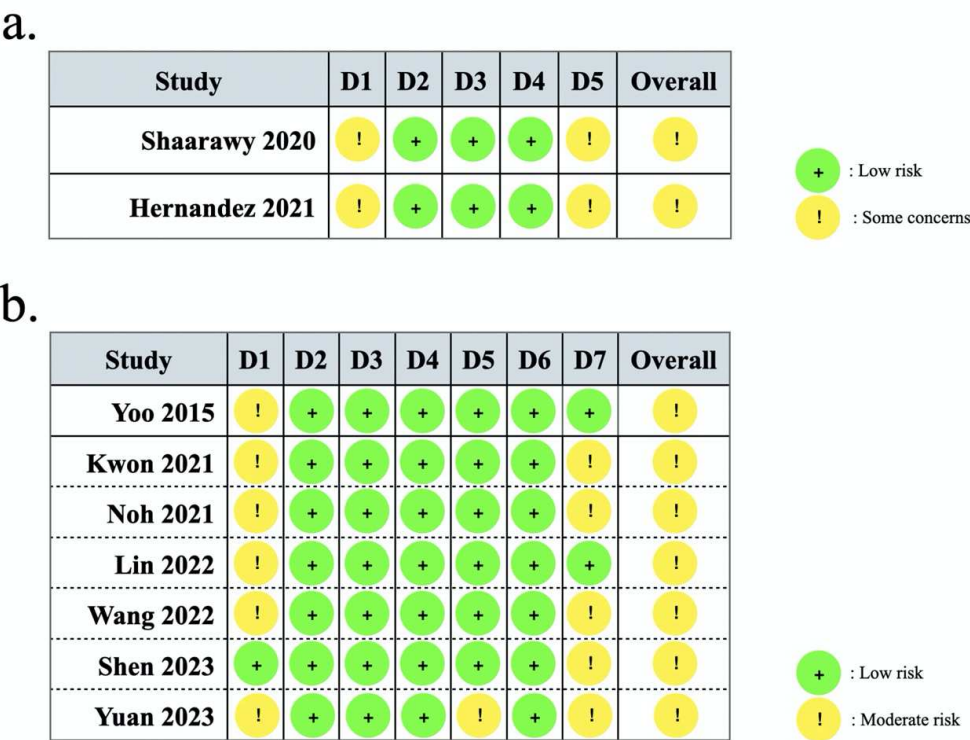
Database	#	Search syntax	Citations found
1) Embase	1	'cataract'/exp	74,066
	2	'cataract extraction'/exp	59,900
	3	'pseudophakia'/exp	5,546
	4	cataract*:ti,ab,de,kw	119,013
	5	phaco*:ti,ab,de,kw OR phako*:ti,ab,de,kw	25,630
	6	pha?oemulsif*:ti,ab,de,kw	20,504
	7	(pha?o NEXT/2 emulsif*):ti,ab,de,kw	188
	8	phakectom*:ti,ab,de,kw	7
	9	lensectom*:ti,ab,de,kw	2,812
	10	#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9	133,161
	11	'femtosecond laser-assisted cataract surgery'/exp	203
	12	'ophthalmic femtosecond laser'/exp	1,983
	13	femtosecond:ti,ab,de,kw	16,190
	14	laser*:ti,ab,de,kw	465,237
	15	(astigmatic NEAR/2 keratotomy):ti,ab,de,kw	252
	16	(arcuate NEAR/2 keratotomy):ti,ab,de,kw	143
	17	#11 OR #12 OR #13 OR #14 OR #15 OR #16	469,855
	18	'toric intraocular lens'/exp	698
	19	toric:ti,ab,de,kw	2,559
	20	tiol*:ti,ab,de,kw	208
	21	#18 OR #19 OR #20	2,703
	22	#10 AND #17 AND #21	287
2) Ovid-Medline	1	exp "cataract"/	33,202
	2	exp "cataract extraction"/	37,380
	3	exp "pseudophakia"/	2,719

	4	cataract*.mp.	79,124
	5	(phaco* or phako*).mp.	18,947
	6	pha?oemulsif*.mp.	16,169
	7	phakectom*.mp.	123
	8	phakectom*.mp.	6
	9	lensectom*.mp.	1,235
	10	1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9	87,330
	11	exp "lasers"/	60,676
	12	exp "laser therapy"/	67,244
	13	femtosecond.mp.	20,919
	14	laser*.mp.	369,773
	15	(astigmatic adj2 keratotomy).mp.	203
	16	(arcuate adj2 keratotomy).mp.	118
	17	11 or 12 or 13 or 14 or 15 or 16	378,334
	18	toric.mp.	1,944
	19	tIOL*.mp.	387
	20	18 or 19	2,290
	21	10 and 17 and 20	150
3) CENTRAL	1	[mh "cataract"]	2,130
	2	[mh "cataract extraction"]	3,419
	3	[mh "pseudophakia"]	322
	4	(cataract*):ti,ab,kw	9,175
	5	(phaco* or phako*):ti,ab,kw	3,793
	6	(pha?oemulsif*):ti,ab,kw	3,620
	7	(pha?o next/1 emulsif*):ti,ab,kw	33
	8	(phakectom*):ti,ab,kw	0
	9	(lensectom*):ti,ab,kw	70
	10	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9	9,900
	11	[mh "lasers"]	3,158
	12	[mh "laser therapy"]	5,348
	13	femtosecond:ti,ab,kw	559

	14	laser*:ti,ab,kw	24,259
	15	(astigmatic near/1 keratotomy):ti,ab,kw	17
	16	(arcuate near/1 keratotomy):ti,ab,kw	7
	17	#11 or #12 or #13 or #14 or #15 or #16	24,441
	18	toric:ti,ab,kw	412
	19	tiOL:ti,ab,kw	18
	20	#18 or #19	419
	21	#10 and #17 and #20	18
4) Scopus	1	TITLE-ABS-KEY (cataract*)	121,774
	2	TITLE-ABS-KEY (phaco* OR phako*)	29,792
	3	TITLE-ABS-KEY (pha?oemulsif*)	23,449
	4	TITLE-ABS-KEY (pha?o PRE/1 emulsif*)	199
	5	TITLE-ABS-KEY (phakectom*)	13
	6	TITLE-ABS-KEY (lensectom*)	2,796
	7	1 or 2 or 3 or 4 or 5 or 6	133,472
	8	TITLE-ABS-KEY (femtosecond)	85,516
	9	TITLE-ABS-KEY (laser*)	1,591,125
	10	TITLE-ABS-KEY (astigmatic W/1 keratotomy)	268
	11	TITLE-ABS-KEY (arcuate W/1 keratotomy)	155
	12	8 or 9 or 10 or 11	1,614,388
	13	TITLE-ABS-KEY (toric)	7,855
	14	TITLE-ABS-KEY (tiol)	124
	15	13 or 14	7,933
	16	7 and 12 and 15	221

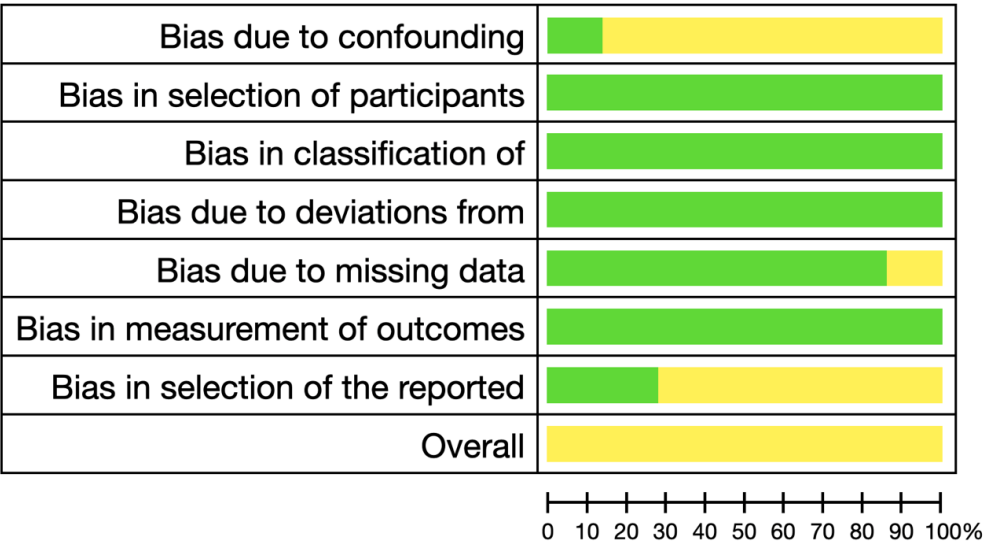
3 e Figure 1. Assessment of risk of bis. (a). Risk of bias tool 2.0 for randomized

4 controlled trials. (b). Risk of bias in non-randomized studies – of interventions



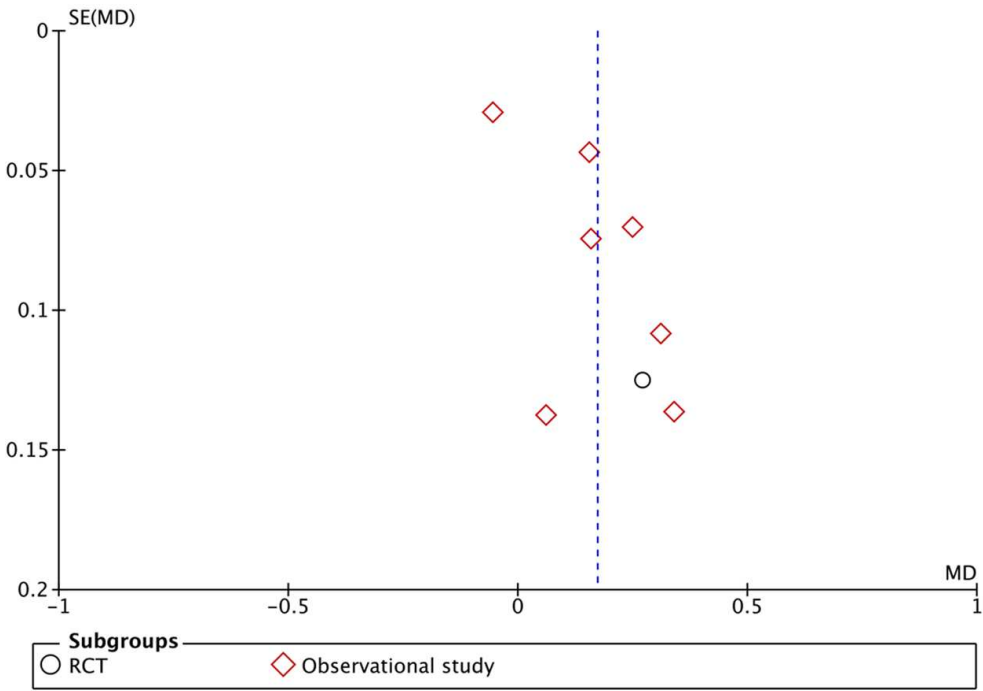
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6 e Figure 2. Graph of risk of bias in non-randomized studies



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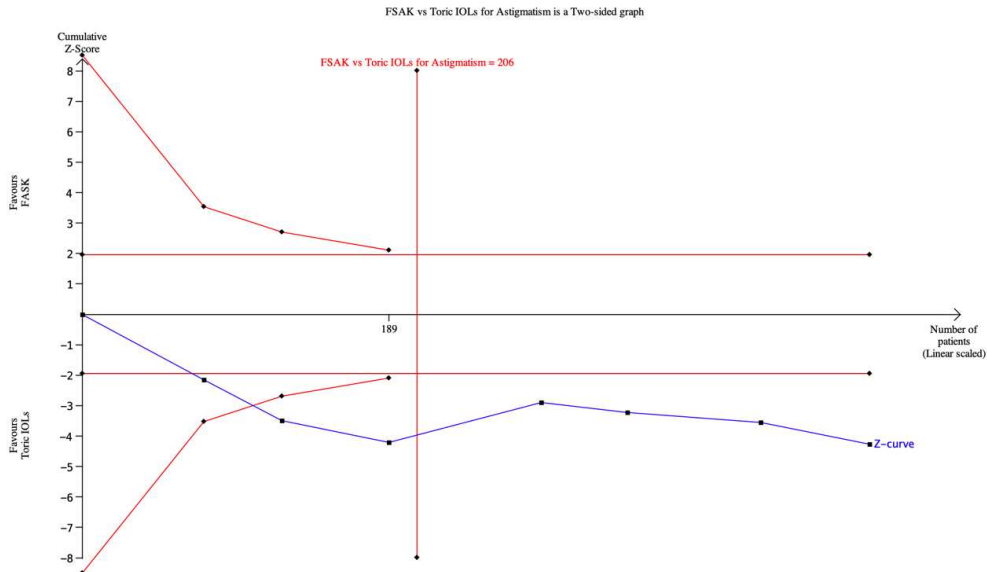
8 e Figure 3. Funnel plot for the outcome of post-operative refractive cylinder



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10 e Figure 4. Trial sequential analysis of post-operative refractive cylinder

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