## **Supplementary Material**

**Title:** Botulinum toxin injection for management of post-haemorrhoidectomy pain: an updated systematic review and meta-analysis of randomised clinical trials

**Journal:** Techniques of Coloproctology

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# 📤	Searches	Results	Туре	Actions	Annotations
1	haemorrhoid surgery.mp.	23	Advanced	Display Results More ∨	$\Box$
2	haemorrhoidectomy.mp. or exp Hemorrhoidectomy/	1105	Advanced	Display Results More ∨	$\Box$
3	exp Hemorrhoids/ or haemorrhoids.mp.	6153	Advanced	Display Results More ∨	$\Box$
4	1 or 2 or 3	6330	Advanced	Display Results More ∨	$\Box$
5	Botulinum Toxin.mp. or exp Botulinum Toxins/	24428	Advanced	Display Results More ∨	$\Box$
6	Botox.mp. or exp Botulinum Toxins, Type A/	12447	Advanced	Display Results More ∨	$\Box$
7	5 or 6	24897	Advanced	Display Results More ∨	$\Box$
8	4 and 7	27	Advanced	Display Results More ∨	$\Box$

Fig. S1 Search Strategy

	Botulinur	n Toxin	Plac	ebo		Odds ratio	Odds	ratio
Study or Subgroup	Events	Total	Events	Total	Weight	IV, Random, 95% CI	IV, Randoi	ı, 95% CI
Alvandipour	2	34	3	33	27.2%	0.63 [0.10 , 4.00]		
Davies	0	24	0	25		Not estimable	,	
Patti	4	15	5	15	38.1%	0.73 [0.15 , 3.49]		
Singh	5	15	3	17	34.7%	2.33 [0.45 , 12.09]	· —	•
Total (95% CI)		88	}	90	100.0%	1.05 [0.40 , 2.75]		<b>-</b>
Total events:	11		11					
Heterogeneity: Tau <sup>2</sup> =	0.00; Chi <sup>2</sup> =	1.41, df	= 2 (P = 0.	.49); I <sup>2</sup> = 0	)%		0.01 0.1 1	10 100
Test for overall effect:	Z = 0.09 (P	= 0.93)					Favours [Botox]	Favours [Placebo]
Test for subgroup diffe	erences: No	t applicab	le					

Fig. S2 Forest plot of faecal incontinence post haemorrhoidectomy

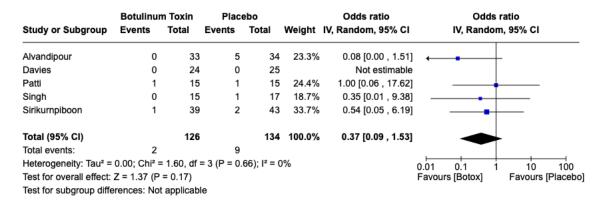


Fig. S3 Forest plot of urinary retention post haemorrhoidectomy

Study or Subgroup	Botu Mean [Days]	linum Toxin SD [Days]	Total	F Mean [Days]	Placebo SD [Days]	Total	Weight	Mean difference IV, Random, 95% CI	Mean difference IV, Random, 95% CI
Ebied	8	4.28	20	9	5.21	20	25.0%	-1.00 [-3.96 , 1.96]	_
Patti	15.8		15	_		15		-9.80 [-13.86 , -5.74]	_
Singh	12.5	3.34	15	11	3.34	17	26.5%	1.50 [-0.82 , 3.82]	-
Sirikurnpiboon	5	5.4	39	7	5.4	43	26.4%	-2.00 [-4.34 , 0.34]	-
Total (95% CI)			89			95	100.0%	-2.55 [-6.41 , 1.31]	
Heterogeneity: Tau <sup>2</sup> =	: 13.26; Chi <sup>2</sup> = 2	2.75, df = 3 (	P < 0.000	)1); I² = 87%					
Test for overall effect:	Z = 1.29 (P = 0	.20)							-10 -5 0 5 10
Test for subgroup diffe						Favours [Botox] Favours [Placebo			

Fig. S4 Forest plot of days to return to work post haemorrhoidectomy

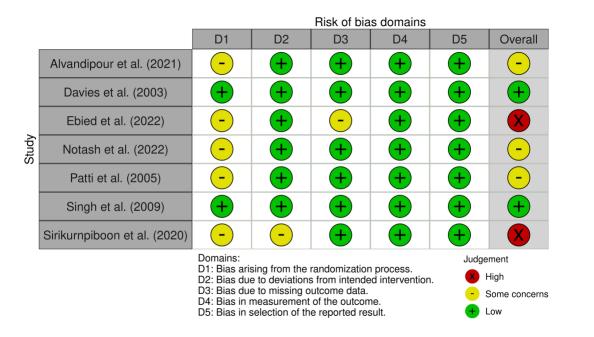


Fig. S5 RoB-2 domain level judgements for each individual study.