

Figure S1 Subgroup-analysis of the incidence rate of LARS

	Biot	feedback		(Control			Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	IV, Random, 95% CI
Lee et al, 2019	29.5208	12.2398	16	30.9547	16.0114	15	2.5%	-1.43 [-11.51, 8.65]	
Li et al, 2022	45.69	5.91	43	37.36	6.55	43	14.3%	8.33 [5.69, 10.97]	
Ni et al, 2016	47.6	8	46	28.7	7.9	28	0.0%	18.90 [15.17, 22.63]	
Shi et al, 2023	41.12	2.14	30	39.27	3.25	30	18.9%	1.85 [0.46, 3.24]	-
Wu et al, 2019	44.8	9	35	42.9	7.2	36	10.5%	1.90 [-1.90, 5.70]	 •
Wu et al, 2021	34.07	8.96	60	29.13	7.03	60	13.4%	4.94 [2.06, 7.82]	
Xu et al, 2020	34.06	8.95	45	29.12	7.02	42	11.8%	4.94 [1.57, 8.31]	
Xu et al, 2021	42.91	3.58	38	39.42	3.46	38	18.2%	3.49 [1.91, 5.07]	
Yang et al, 2020	44.21	7.41	32	40.26	8.15	32	10.4%	3.95 [0.13, 7.77]	-
Total (95% CI)			299			296	100.0%	3.99 [2.28, 5.70]	•
Heterogeneity: Tau ^z = 3.53; Chi ^z = 21.60, df = 7 (P = 0.003); i ^z = 68% Test for overall effect: Z = 4.57 (P < 0.00001)								-20 -10 0 10 20	
restion overall ellect	. Z = 4.07 (F	~ 0.0000	1)						Favours Control Favours Biofeedback

Figure S2 Sensitivity-analysis of the mean resting pressure of the anal canal

Appendix 1

检索条件	检索范围
(主题: 位前切除综合征 + 前切除综合征 + 直肠癌术后 + 直肠癌 低位保肛术 + Lars + Ars) AND (篇关摘: 生物反馈(精确))	资源范围: 总库; 中英文扩展; 时间范围: 发表时间: 2012-01-01到2024-06-30;更新时间: 不限;

Chinese National Knowledge Infrastructure (CNKI): 44

文献类型	检索式	检索结果
期刊、学位、会议	(主题:(低位前切除综合征 or 前切除综合征 or 直肠癌术后 or 直肠癌低位保肛术 or Lars or Ars) and 题名或关键词:(生物反馈)) and 发表时间:2012-2024	61

Wan Fang Data: 61

检索结果	检索表达式
57	((((((摘要=低位前切除综合征 OR 摘要=前切除综合征) OR 摘要=直肠癌术后) OR 摘要=直肠癌低位保肛术) OR 摘要=Lars) OR 摘要=Ars) AND 摘要=生物反馈) AND (years:[2012 TO 2024])

VIP database: 57

检索表达式 结果

44

((低位前切除综合征 or 前切除综合征 or 直肠癌术后 or 直肠癌低位保肛术 or Lars or Ars) AND (生物反馈)) AND 2012-2024[日期]

China Biology Medicine disc (CBM): 44

Query

Search: ((((Low anterior resection syndrome[MeSH Terms]) OR (Lars))

OR (anterior resection syndrome)) OR (resection for rectal cancer))

AND (Biofeedback) Filters: from 2012 - 2024

Pubmed: 36



Cochrane Library: 20

	Topic	Example: oil spill* mediterranean (Low anterior resection syndrome) OR (Lars)	OR (a	nterior resection syndrome) OR (resecti	<
)	And ~ Topic ~	Example: oil spill* mediterranean Biofeedback		>	<
)	Publication Date ~	2012-01-01	to	YYYY-MM-DD	
	Web of Science: 59				

('low anterior resection syndrome'/exp OR 'low anterior resection syndrome' OR lars OR 'anterior resection syndrome'/exp OR 'anterior resection syndrome' OR 'resection for rectal cancer') AND biofeedback:ti, ab,kw AND [randomized controlled trial]/lim AND [2012-2024]/py

Embase: 8

Additional records identified through other sources (n = 3): Wang LQ et al,2020; Gai JJ et al,2015; Bai JB et al,2013