

Supplementary Table 1. Search strategy for voice care in thyroid surgery

	Search strategy	OID Medline	EMBASE	Cochrane Library
#1	exp thyroidectomy/	21,880	34,890	1,441
#2	thyroidecto*.mp,kw	26,880	25,901	1,437
#3	thyroid adj2 (lobecto* or surger* or operat*).mp,kw.	5,461	7,268	779
#4	exp laryngoscopy/	12,307	22,456	2,950
#5	exp stroboscopy/	651	2,154	64
#6	(stroboscop* or laryngoscop* or videostrobo* or videolaryngostrobo*).ti,ab,kw.	2,955	2,565	1,358
#7	voice adj (evaluation* or tool* or profile* or protocol* or diagno* or assessment* or exam* or analys*).ti,ab,kw.	1,136	3,537	350
#8	vocal adj5 (evaluation* or tool* or profile* or protocol* or diagno* or assessment* or exam* or analys*).ti,ab,kw.	2,770	233	8
#9	acoustic*.ti,ab,kw.	53,235	83,336	390
#10	(voice adj (treatment* or therap* or rehab* or training* or excercise*).ti,ab,kw.	1,372	2,039	341
#11	(speech adj (treatment* or therap* or rehab* or training* or excercise*).ti,ab,kw.	3,309	6,407	1,174
#12	(vocal adj (treatment* or therap* or rehab* or training* or excercise*).ti,ab,kw.	406	521	37
#13	exp voice quality/	6,356	21,391	214
#14	(vocal adj (rest or hygiene*).ti,ab,kw.	132	201	53
#15	(voice adj (rest or hygiene*).ti,ab,kw.	77	555	39
#16	exp patient education as topic/	83,054	109,258	8,372
#17	(voice adj (educat*).ti,ab,kw.	22	26	9
#18	exp voice disorders/	9,026	11,279	380
#19	exp voice/	12,802	21,399	329
#20	exp phonation/	5,099	6,384	139
#21	exp vocal cord paralysis/	6,178	8,717	72
#22	(voice adj (dysfunc* or chang* or fatigue or alteration or qualit*).mp,kw.	7,860	3,808	469
#23	(vocal adj (dysfunc* or chang* or fatigue or alteration or qualit*).mp,kw.	652	1,052	77
#24	(laryn* adj (dysfunc* or chang* or fatigue or alteration or qualit*).mp,kw.	333	417	15
#25	(vocal adj3 (paresis or pals* or paralys* or impairment* or injur* or immobil* or fix* or neuropath*).mp,kw.	8,310	6,096	253
#26	(voice adj3 (paresis or pals* or paralys* or impairment* or injur* or immobil* or fix* or neuropath*).mp,kw.	293	254	26
#27	(laryngeal adj3 (paresis or pals* or paralys* or impairment* or injur* or immobil* or fix* or neuropath*).mp,kw.	4,744	4,534	267
#28	phona*.mp,kw	7,824	6,978	394
#29	((voice or vocal) adj outcome*).mp,kw.	467	571	31
#30	(steroid* or dexameth* or prednisol* or cortisol* or methylpred*).mp	474,675	499,810	55,287
#31	(nerve or neural) adj (preservatio* or protection*).mp,kw.	899	1,753	88
#32	"nerve integrity monitor".mp,kw.	49	44	4
#33	monitor*.mp,kw.	808,140	16,779	0
#34	intraopera*.mp,kw.	156,252	27,066	2,545
#35	(thyroi* OR surg*) adj (skil* OR metho* OR techniqu*).mp,kw.	12,238	55,626	9,752
#36	nerve.mp,kw OR neural.mp,kw.	821,166	768,745	36,509
#37	(nerve adj3 (repair or reconstruction or anastomosis or transfer)).mp,kw.	6,802	7,476	165
#38	(neurorrhaphy or neurotization or nerve graft or cable graft or implantation or ansa cervicalis or neuromuscular pedicle).mp,kw.	220,543	244,431	17,888
#39	exp vocal cord paralysis/	6,173	8,718	72
#40	(vocal adj3 (dysfunction* or paresis or pals* or paralys* or impairment* or injur* or immobil* or fix* or neuropath*).ti,ab,kw.	4,918	352	30
#41	(voice adj3 (dysfunction* or paresis or pals* or paralys* or impairment* or injur* or immobil* or fix* or neuropath*).ti,ab,kw.	352	7,093	284
#42	(laryn* adj3 (dysfunction* or paresis or pals* or paralys* or impairment* or injur* or immobil* or fix* or neuropath*).ti,ab,kw	4,330	5,538	355
#43	exp laryngoplasty/	521	1,900	8
#44	(laryn* adj framework surge*).ti,ab,kw.	84	134	1,042
#45	arytenoid adduction.ti,ab,kw.	144	186	5

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Supplementary Table 1. Continued

	Search strategy	OID Medline	EMBASE	Cochrane Library
#46	(laryngoplast* adj3 (medialization or medialisation or injection or prosthetic or fat or fascia or collagen or hyaluronic or dermalogen or cymetra or teflon or silicone or artecoll or calcium or hydroxyapatite or gelform)).ti,ab,kw.	363	109	5
#47	(vocal adj3 (injection* or augmentation*)).ti,ab,kw.	443	414	6
#48	thyroplast*.ti,ab,kw.	428	626	18
#49	phonosurg*.ti,ab,kw.	306	469	15
#50	(vocal adj3 (paresis or pals* or paralys* or impairment* or injur* or immobil* or fix* or neuropath*)).mp,kw. 19,022	6,164	274	
#51	(laryngeal adj3 (paresis or pals* or paralys* or impairment* or injur* or immobil* or fix* or neuropath*)).mp,kw. 14,008	4,594	290	
#52	(recurrent adj3 (dysfunction* or paresis or pals* or paralys* or impairment* or injur* or immobil* or fix* or neuropath*)).mp,kw.	23,703	5,384	323
#53	airway adj2 (obstruct* or narrow* or wide* or distress*).mp,kw	91,459	26,100	2,565
#54	respiratory adj2 (obstruct* or narrow* or wide* or distress*).mp,kw	172,685	58,216	6,580
#55	tracheostomy or arytenoidectomy or cordotomy or later* adj3 (fixation or suture) . ti,ab,kw.	16,904	21,466	935
#56	exp neck pain/	6,611	22,277	1,060
#57	neck pain*.mp,kw.	33,979	44,792	6,789
#58	exp muscle stretching exercises/	1,551	2,873	546
#59	exp massage/	6,389	14,307	1,038
#60	neck extension.mp,kw.	2,986	10,419	787
#61	exp voice training/	1,451	200	114
#62	1 or 2 or 3	28,598	42,845	1,755
#63	4 or 5 or 6	25,331	14,847	4,348
#64	7 or 8 or 9	55,978	85,729	730
#65	10 or 11 or 12 or 13	10,418	28,578	1,554
#66	14 or 15	204	740	79
#67	16 or 17	83,073	109,284	8,380
#68	13 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 or 28 or 29	33,184	49,662	1,519
#69	31 or 32 or (33 and 34)	28,698	18,744	2,629
#70	37 or 38	495,874	249,603	17,975
#71	39 or 40 or 41 or 42	10,966	15,462	590
#72	43 or 44 or 45 or 46 or 47 or 48 or 49	1,646	2,989	1,078
#73	39 or 50 or 51 or 52	43,192	16,233	3,171
#74	53 or 54 or 55	268,444	101,963	2,884
#75	13 or 18 or 19 or 20 or 22 or 23 or 24 or 28 or 29 or 56 or 57	71,328	90,290	7,888
#76	58 or 59 or 60	10,886	27,416	2,343
#77	10 or 11 or 12 or 61	7,919	9,954	2,840

A search performed on September 28, 2019.