

Supplementary Table 1. Search strategy for management of unilateral vocal fold paralysis (performed on May 1, 2018)

#	Ovid Medline	EMBASE	Cochrane	OVID Medline	EMBASE	Cochrane
<b>Vocal fold paralysis</b>						
#1	exp vocal cord paralysis/	'vocal cord paralysis'/exp	MeSH descriptor: [Vocal Cord Paralysis] explode all trees	6,195	7,726	73
#2	(vocal adj3 (dysfunction* or paresis or pals* or paralys* or impairment* or injur* or immobil* or fix* or neuropath*)):ti,ab,kw.	(vocal NEAR/3 (dysfunction* OR paresis OR pals* OR paralys* OR impairment* OR injur* OR immobil* OR fix* OR neuropath*)):ab,ti,kw	(vocal NEAR/3 (dysfunction* OR paresis OR pals* OR paralys* OR impairment* OR injur* OR immobil* OR fix* OR neuropath*)):ti,ab,kw	5,559	6,759	224
#3	(recurrent adj3 (dysfunction* or paresis or pals* or paralys* or impairment* or injur* or immobil* or fix* or neuropath*)):ti,ab,kw.	(recurrent NEAR/3 (dysfunction* OR paresis OR pals* OR paralys* OR impairment* OR injur* OR immobil* OR fix* OR neuropath*)):ab,ti,kw	(recurrent NEAR/3 (dysfunction* OR paresis OR pals* OR paralys* OR impairment* OR injur* OR immobil* OR fix* OR neuropath*)):ti,ab,kw	5,463	6,517	269
#4	(laryngeal adj3 (dysfunction* or paresis or pals* or paralys* or impairment* or injur* or immobil* or fix* or neuropath*)):ti,ab,kw.	(laryngeal near/3 (dysfunction* or paresis or pals* or paralys* or impairment* or injur* or immobil* or fix* or neuropath*)):ab,ti,kw	(laryngeal near/3 (dysfunction* or paresis or pals* or paralys* or impairment* or injur* or immobil* or fix* or neuropath*)):ab,ti,kw	4,085	4,732	223
<b>Laryngoscopy and Stroboscopy</b>						
#5	exp laryngoscopy/	'laryngoscopy'/exp	MeSH descriptor: [Laryngoscopy] explode all trees	12,365	20,076	1,007
#6	exp stroboscopy/	'stroboscopy'/exp	MeSH descriptor: [Stroboscopy] explode all trees	655	1,976	17
#7	(stroboscop* or laryngoscop* or videostrobo* or videolaryngostrobo*):ti,ab,kw.	(stroboscop* or laryngoscop* or videostrobo* or videolaryngostrobo*):ab,ti,kw	(stroboscop* or laryngoscop* or videostrobo* or videolaryngostrobo*):ab,ti,kw	2,329	2,342	96
#8	exp endoscopy/	'endoscopy'/exp	MeSH descriptor: [Endoscopy] explode all trees	340,434	540,744	16,708
<b>Voice evaluation</b>						
#9	exp voice quality/	'voice'/exp	MeSH descriptor: [Voice quality] explode all trees	6,421	18,221	217
#10	voice adj5 (evaluation* or tool* or profile* or protocol* or diagno* or assessment* or exam* or analys*):ti,ab,kw.	(voice near/5 (evaluation* or tool* or profile* or protocol* or diagno* or assessment* or exam* or analys*)):ab,ti,kw	(voice near/5 (evaluation* or tool* or profile* or protocol* or diagno* or assessment* or exam* or analys*)):ab,ti,kw	4,272	4,707	379
#11	acoustic*:ti,ab,kw.	Acoustic*:ab,ti,kw	Acoustic*:ab,ti,kw	70,695	74,816	3,472
<b>Imaging</b>						
#12	exp tomography/	'tomography'/exp	MeSH descriptor: [Tomography] explode all trees	879,822	1,523,355	15,653
#13	(tomograph* or CT or CAT or Scan* or compute* or X-ray or X ray*):ti,ab,kw.	(tomograph* or CT or CAT or Scan* or compute* or X-ray or X ray*):ti,ab,kw	(tomograph* or CT or CAT or Scan* or compute* or X-ray or X ray*):ab,ti,kw	1,636,959	359,333	121,416
#14	exp magnetic resonance imaging/		MeSH descriptor: [magnetic resonance imaging] explode all trees	433,830		7,931
#15	(imaging* or MR or MRI or magnetic or spin or proton):ti,ab,kw.	(imaging* or MR or MRI or magnetic or spin or proton):ab,ti,kw	(imaging* or MR or MRI or magnetic or spin or proton):ab,ti,kw	1,233,005	1,396,853	61,191

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Supplementary Table 1. Continued

#	Ovid Medline	EMBASE	Cochrane	OVID Medline	EMBASE	Cochrane
<b>Laryngeal electromyography</b>						
#16	exp electromyography/ 'electromyography'/exp		MeSH descriptor: [electromyography] explode all trees	77,456	77,200	3,336
#17	(electromyogra* or EMG).ti,ab,kw.	(electromyogra*.ab,ti,kw OR emg.ab,ti,kw	(electromyogra* OR emg).ab,ti,kw	62,206	75,147	5,730
<b>Spontaneous recovery</b>						
#18	exp recovery of function/ (vocal adj5 (spontaneous or recover* or transient)).ti,ab,kw.	(vocal near5 (spontaneous or recover* or transient)).ab,ti,kw	MeSH descriptor: [Recovery of Function] explode all trees	49,307		4,862
#19	(vocal adj5 (spontaneous or recover* or transient)).ti,ab,kw.	(vocal near5 (spontaneous or recover* or transient)).ab,ti,kw	(vocal near5 (spontaneous or recover* or transient)).ab,ti,kw	563	577	19
<b>Medical treatment - Steroid</b>						
#20	Exp steroids/ (steroid* or dexameth* or prednso* or corti* or methylprednisol*).ti,ab,kw.	'steroid'/exp (steroid*.ab,ti,kw OR dexameth*.ab,ti,kw OR prednso*.ab,ti,kw OR corti*.ab,ti,kw OR methylprednisol*).ab,ti,kw	MeSH descriptor: [Steroid] explode all trees (steroid* or dexameth* or prednso* or corti* or methylprednisol*).ab,ti,kw	841,415	1,424,271	55,105
#21	(steroid* or dexameth* or prednso* or corti* or methylprednisol*).ti,ab,kw.	(steroid*.ab,ti,kw OR dexameth*.ab,ti,kw OR prednso*.ab,ti,kw OR corti*.ab,ti,kw OR methylprednisol*).ab,ti,kw		713,854	874,543	52,274
<b>Surgical medialization procedures</b>						
#22	exp laryngoplasty/ (laryn* adj framework surge*).ti,ab,kw.	'laryngoplasty'/exp (laryn* near/1 framework surge*).ab,ti,kw	MeSH descriptor: [laryngoplasty] explode all trees	529	1,465	8
#23	(laryn* adj framework surge*).ti,ab,kw.	(laryn* near/1 framework surge*).ab,ti,kw	(laryn* near/1 framework surge*).ab,ti,kw	92	160	3
#24	Arytenoid adduction.ti,ab,kw.	Arytenoid adduction.ab,ti,kw	(Arytenoid adduction).ab,ti,kw	158	248	3
#25	(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.	(laryngoplast* NEAR3 (medialization OR medialisation OR injection OR prosthetic OR fat OR fascia OR collagen OR hyaluronic OR dermalogen OR cymetra OR teflon OR sil- cone OR artecoll OR calcium OR hydroxyap- atite OR gelform)).ab,ti,kw	(laryngoplast* NEAR3 [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]).ab,ti,kw	412	458	8
#26	(vocal adj3 [injection* or augmentation*]). ti,ab,kw.	(vocal near3 [injection* or augmentation*]).ab,ti,kw	((vocal near3 (injection* or augmentation*))).ab,ti,kw	477	571	12
#27	thyroplast*.ti,ab,kw.	Thyroplast*.ab,ti,kw	Thyroplast*.ab,ti,kw	480	562	9
#28	Phonosurg*.ti,ab,kw.	Phonosurg*.ab,ti,kw	Phonosurg*.ab,ti,kw	345	418	12
#29	exp nerve transfer/ (nerve near3 (repair or reconstruction or anastomosis or transfer)).ti,ab,kw.	'nerve transplantation'/exp (nerve near3 (repair or reconstruction or anastomosis or transfer)).ab,ti,kw	MeSH descriptor: [Nerve Transfer] explode all trees	1,855	7,752	16
#30	(nerve adj3 (repair or reconstruction or anastomosis or transfer)).ti,ab,kw.	(nerve near3 (repair or reconstruction or anastomosis or transfer)).ab,ti,kw	(nerve near3 [repair or reconstruction or anas- tomosis or transfer]).ab,ti,kw	6,815	7,815	132
#31	(neurorrhaphy or neurotization or nerve graft or cable graft or implantation or ansa cervicalis or neuromuscular pedicle).ti,ab,kw	(neurorrhaphy or neurotization or nerve graft or cable graft or implantation or ansa cervicalis or neuromuscular pedicle).ab,ti,kw	(neurorrhaphy or neurotization or nerve graft or cable graft or implantation or ansa cervicalis or neuromuscular pedicle).ab,ti,kw	161,715	180	12,981

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Supplementary Table 1. Continued

#	Ovid Medline	EMBASE	Cochrane	OVID Medline	EMBASE	Cochrane
Role of voice therapy						
#32	exp voice training/ 'voice training'/exp			1,456	100	114
#33	(voice adj (treatment* or therap* or rehab* or training* or exercise*)):ti,ab,kw.	(voice near/1 (treatment* or therap* or rehab* or training* or exercise*)):ab,ti,kw	MeSH descriptor: [Voice Training] explode all trees (voice near/1 [treatment* or therap* or rehab* or training* or exercise*]):ab,ti,kw	1,552	1,871	259
#34	(speech adj (treatment* or therap* or rehab* or training* or exercise*)):ti,ab,kw.	(speech near/1 (treatment* or therap* or rehab* or training* or exercise*)):ab,ti,kw	((speech near/1 (treatment* or therap* or rehab* or training* or exercise*)):ab,ti,kw	3,840	5,945	743
#35	(vocal adj (treatment* or therap* or rehab* or training* or exercise*)):ti,ab,kw.	(vocal NEAR/1 (treatment* OR therap* OR rehab* OR training* OR exercise*)):ab,ti,kw	(vocal NEAR/1 [treatment* OR therap* OR rehab* OR training* OR exercise*]):ab,ti,kw	447	570	38
#36	(vocal adj (rest or hygiene*)):ti,ab,kw.	vocal near (rest or hygiene*):ab,ti,kw	(vocal near [rest or hygiene*]):ab,ti,kw	163	9	36
Aspiration prevention						
#37	exp respiratory aspiration/ 'aspiration'/exp		MeSH descriptor: [respiratory aspiration] explode all trees	1,351	27,815	278
#38	(aspirat* or dysphag* or swallow*):ti,ab,kw.	((aspirat* or dysphag* or swallow*):ab,ti,kw)	(aspirat* or dysphag* or swallow*):ab,ti,kw	149,626	198,508	10,090
#39	or/1-4	#1 OR #2 OR #3 OR #4	#1 OR #2 OR #3 OR #4	14,208	17,327	519
#40	or/5-8	#5 OR #6 OR #7 OR #8	#5 OR #6 OR #7 OR #8	342,309	543,239	15,602
#41	or/9-11	#9 OR #10 OR #11	#9 OR #10 OR #11	77,031	91,602	3,208
#42	or/12-15	#12 OR #13 OR #14 OR #15	#12 OR #13 OR #14 OR #15	2,781,084	2,499,827	159,376
#43	16 or 17	#16 OR #17	#16 OR #17	97,051	107,586	5,730
#44	18 or 19	#18 OR #19	#18 OR #19	49,814	577	4,363
#45	20 or 21	#20 OR #21	#20 OR #21	1,327,880	1,847,490	83,783
#46	or/22-31	#22 OR #23 OR #24 OR #25 OR #26 OR #27 OR #28 OR #29 OR #30 OR #31	#22 OR #23 OR #24 OR #25 OR #26 OR #27 OR #28 OR #29 OR #30 OR #31	169,520	16,307	13,136
#47	or/32-36	#32 OR #33 OR #34 OR #35 OR #36	#32 OR #33 OR #34 OR #35 OR #36	6,428	8,015	955
#48	37 or 38	#37 OR #38	#37 OR #38	149,886	202,993	10,090

Literature Search Strategies.

Management Guideline for Unilateral Vocal Fold Paralysis.

Database searched: OVID-MEDLINE (Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, EMBASE, Cochrane library).

Key: /, Mesh subject heading; /exp, explode search using narrower (MeSH or Emtree) terms; ti, word in title; ab, word in abstract; kw, word in keywords; \*, truncation; adj#, adjacent within # number of words (in OVID); near# adjacent within # number of words (in EMBASE, Cochrane).