

## Clinical and Experimental Otorhinolaryngology

Supplementary Table 1. Search key words and recall ratio

No.	Keyword	Total no.
#1	'Larynx'/exp OR larynx OR laryngeal	
	EMBASE	42,307
	MEDLINE	43,121
	Cochrane Library	4,043
	KoreaMed	1,157
#2	Glottis OR glottic OR (vocal AND cord) OR (vocal AND fold) OR transglottic	
	EMBASE	11,944
	MEDLINE	12,157
	Cochrane Library	1,046
	KoreaMed	523
#3	Supraglottis OR supraglottic OR epiglottis OR epiglottic OR aryepiglottic OR transglottic	
	EMBASE	4,006
	MEDLINE	3,927
	Cochrane Library	446
	KoreaMed	244
#4	Neoplasms OR cancer OR carcinoma OR malignant OR malignancy OR tumor OR tumor	
	EMBASE	1,696,554
	MEDLINE	1,732,089
	Cochrane Library	116,929
	KoreaMed	47,040
#5	#1 OR #2 OR #3	
	EMBASE	45,449
	MEDLINE	46,130
	Cochrane Library	4,720
	KoreaMed	1,516
#6	#4 AND #5	
	EMBASE	20,220
	MEDLINE	20,886
	Cochrane Library	1,075
	KoreaMed	508
Key question 1. What is the role of laryngoscopic examination and voice analysis in diagnosis of laryngeal cancer?		
#7	#6 AND (Laryngoscope* OR videolaryngoscopy OR STROBO* OR (narrow AND band AND imaging) OR Diagnos*)	
	EMBASE	1,252
	MEDLINE	1,421
	Cochrane Library	696
	KoreaMed	77
#8	#6 AND (voice and analysis)	
	EMBASE	121
	MEDLINE	103
	Cochrane Library	29
	KoreaMed	19
Key question 2. What are the roles of computed tomography (CT) and magnetic resonance (MR) for the diagnosis of laryngeal cancer?		
#9	#6 AND (compute* AND tomograph*) OR CT.ti	
	EMBASE	2,838
	MEDLINE	2,413
	Cochrane Library	51
	KoreaMed	15
#10	#6 AND mr*.ti OR (magnetic AND resonance)	
	EMBASE	1,330
	MEDLINE	1,155
	Cochrane Library	18
	KoreaMed	3

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Supplementary Table 1. Continued

No.	Keyword	Total no.
Key question 3. What is the role of PET/CT in a preoperative evaluation of laryngeal cancer?		
#11	#6 AND (PET:ti OR (PET:ti AND CT:ti) OR (positron:ti AND emission:ti)	
	EMBASE	249
	MEDLINE	155
	Cochrane Library	2
	KoreaMed	5
Key question 4. What is the role of ultrasonography in the staging of laryngeal cancer?		
#12	#6 AND (ultrasonogra*:ti OR songra*:ti OR USG:ti)	
	EMBASE	24
	MEDLINE	3
	Cochrane Library	0
	KoreaMed	4
Key question 5. How we can evaluate the patients' preoperatively about general conditions?		
#13	Performance OR elderly OR 'pulmonary function' OR 'general condition'	
	EMBASE	1,148,064
	MEDLINE	1,001,889
	Cochrane Library	75,010
	KoreaMed	1,176
#14	#6 AND #12	
	EMBASE	954
	MEDLINE	877
	Cochrane Library	71
	KoreaMed	0
#15	Second OR secondary OR 'secondary malignancy' OR synchronous OR 'synchronous malignancy'	
	EMBASE	1,424,967
	MEDLINE	1,201,324
	Cochrane Library	96,166
	KoreaMed	408
#16	#6 AND #14	
	EMBASE	2,220
	MEDLINE	2,135
	Cochrane Library	123
	KoreaMed	0
#17	Risk OR gender OR age OR smoking OR tobacco OR alcohol OR nutrition OR exposure OR 'life style' OR reflux OR virus OR 'human papilloma virus' OR hpv OR 'human immunodeficiency virus' OR hiv OR genetic OR anemia OR dyskeratosis	
	EMBASE	6,644,445
	MEDLINE	5,896,043
	Cochrane Library	487,046
	KoreaMed	8,624
#18	#6 AND #16	
	EMBASE	8,520
	MEDLINE	8,262
	Cochrane Library	576
	KoreaMed	0
Key question 6. What is the appropriate management for a premalignant laryngeal lesion?		
#19	#6 AND (precancer* OR premalig* OR dyplas* OR leukopla* OR erythropla* OR precursor OR (potentially and malignant))	
	EMBASE	583
	MEDLINE	552
	Cochrane Library	129
	KoreaMed	6

(Continued to the next page)

## Clinical and Experimental Otorhinolaryngology

Supplementary Table 1. Continued

No.	Keyword	Total no.
Key question 7. What is the appropriate surgery for a primary T1/T2 glottic cancer?		
#20	T1 OR T2 OR early	
	EMBASE	1,382,379
	MEDLINE	1,133,064
	Cochrane Library	5,726
	KoreaMed	19,596
#21	#6 AND #19	
	EMBASE	2,787
	MEDLINE	2,669
	Cochrane Library	77
	KoreaMed	101
#22	Laryngectomy OR surg* OR operat* OR transoral OR robot* OR supracricoid OR supraglottic OR epiglottectomy OR laser	
	EMBASE	3,774,355
	MEDLINE	3,698,307
	Cochrane Library	5,700
	KoreaMed	73,454
#23	#20 AND #21	
	EMBASE	2,111
	MEDLINE	1,988
	Cochrane Library	65
	KoreaMed	0
Key question 8. What is the proper surgical managements for T3/4 glottic cancer?		
#24	T3 OR T4 OR Advance OR Advanced	
	EMBASE	689,796
	MEDLINE	483,675
	Cochrane Library	35,225
	KoreaMed	7,187
#25	#6 AND #24	
	EMBASE	3,094
	MEDLINE	3,396
	Cochrane Library	340
	KoreaMed	71
#26	Laryngectomy OR surg* OR operat* OR transoral OR robot* OR supracricoid OR supraglottic OR epiglottectomy OR laser	
	EMBASE	5,002,289
	MEDLINE	3,692,184
	Cochrane Library	178,336
	KoreaMed	77,338
#27	#25 AND #26	
	EMBASE	1,928
	MEDLINE	1,746
	Cochrane Library	208
	KoreaMed	17
Key question 9. What is the appropriate management of the neck lymph nodes in glottic cancer?		
Key question 11. What comprises appropriate neck lymph node management in supraglottic cancer?		
#28	#6 AND (neck OR cervical OR lymph* OR node OR dissection)	
	EMBASE	13,181
	MEDLINE	12,638
	Cochrane Library	620
	KoreaMed	0

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Supplementary Table 1. Continued

No.	Keyword	Total no.
Key question 10. What is the appropriate surgical treatment for a supraglottic primary site?		
#29	#6 AND (Laryngectomy OR surg* OR operat* OR transoral OR robot* OR supracricoid OR supraglottic OR epiglottectomy OR laser)	
	EMBASE	15,056
	MEDLINE	14,766
	Cochrane Library	497
	KoreaMed	405
Key question 12. How we can stratify the risk of recurrence in postoperative laryngeal cancer patients? To which patients should postoperative adjuvant therapy be administered?		
#30	#6 AND margin	
	EMBASE	467
	MEDLINE	368
	Cochrane Library	21
	KoreaMed	3
#31	Postoperat* OR adjuvant	
#32	Radiation:ti OR chemo*:ti OR radiothera*:ti	
#33	#30 AND #31	
#34	#6 AND #32	
	EMBASE	873
	MEDLINE	705
	Cochrane Library	98
	KoreaMed	45
#35	#6 AND (complication:ti OR fistula:ti OR stenosis:ti OR swallowing:ti)	
	EMBASE	658
	MEDLINE	568
	Cochrane Library	0
	KoreaMed	4
Key question 13. Postoperatively, what types of rehabilitation and/or psychiatric support are required for patients with laryngeal cancer?		
#36	#6 AND ((rehabilitation OR supportive) AND (swallow* OR voice OR speech OR shoulder))	
	EMBASE	485
	MEDLINE	507
	Cochrane Library	74
	KoreaMed	235
#37	#6 AND (psychiat* OR emotion* OR psychol* OR depress*)	
	EMBASE	524
	MEDLINE	527
	Cochrane Library	47
	KoreaMed	365
Key question 14. How can we postoperatively follow-up patients with laryngeal cancer?		
#38	#6 AND (follow AND up OR 'follow up') AND ((laryngoscop* OR videokymography OR strobo* OR (narrow AND band AND imaging) OR endoscop*) OR 'computer assisted tomography' OR (magnetic AND resonance))	
	EMBASE	1,335
	MEDLINE	1,211
	Cochrane Library	46
	KoreaMed	21
#39	#6 AND (follow AND up OR 'follow up') AND (thyroid AND function)	
	EMBASE	70
	MEDLINE	58
	Cochrane Library	15
	KoreaMed	6

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## Clinical and Experimental Otorhinolaryngology

Supplementary Table 1. Continued

No.	Keyword	Total no.
Key question 15. What is the appropriate surgery for recurrent laryngeal cancer?		
#40	Recur* AND (surgery OR surgical OR operation)	
	EMBASE	308,337
	MEDLINE	254,487
	Cochrane Library	14,150
	KoreaMed	8,166
#41	Salvage	
	EMBASE	47,390
	MEDLINE	35,681
	Cochrane Library	2,202
	KoreaMed	627
#42	#6 AND (#39 OR #40)	
	EMBASE	4,882
	MEDLINE	4,631
	Cochrane Library	242
	KoreaMed	21

Limited to: study type (human); publication type (article, review, article in press); language (English, Korean); search date (January 16, 2016).